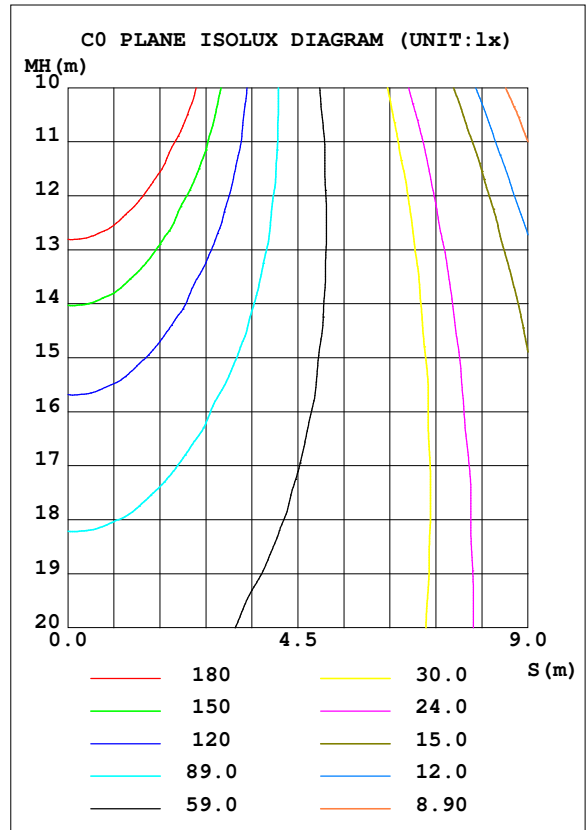
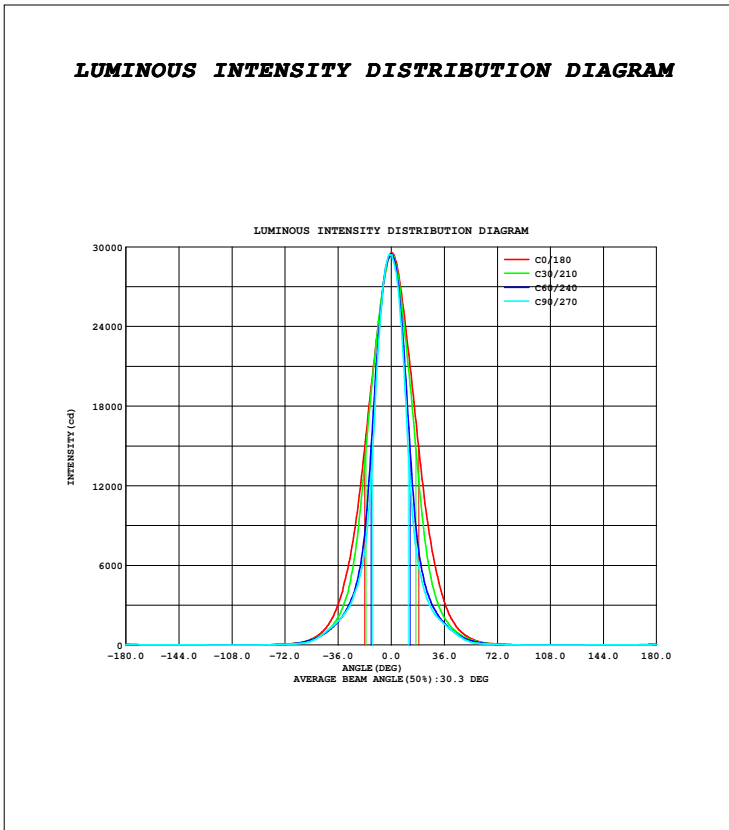


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:119.6V I:1.067A P:126.6W PF:0.9920 Lamp Flux:11629x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B2040408	WEIGHT:
SPEC.:	DIM.: L432*W413*H75mm	SERIAL No.:
MFR.: Shenzhen Sinotron-Lighting Co.,Ltd	SUR.:0.012	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	KS-LF140B2040408	Imax (cd)	29790	S/MH (C0/180)	0.58
NOMINAL POWER (W)	130	LOR (%)	100.0	S/MH (C90/270)	0.42
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	11630	η UP, DN (C0-180)	0.1, 48.5
NOMINAL FLUX (lm)	11629	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 51.4
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	120	η down (%)	99.9	CIBSE SHR MAX	0.50



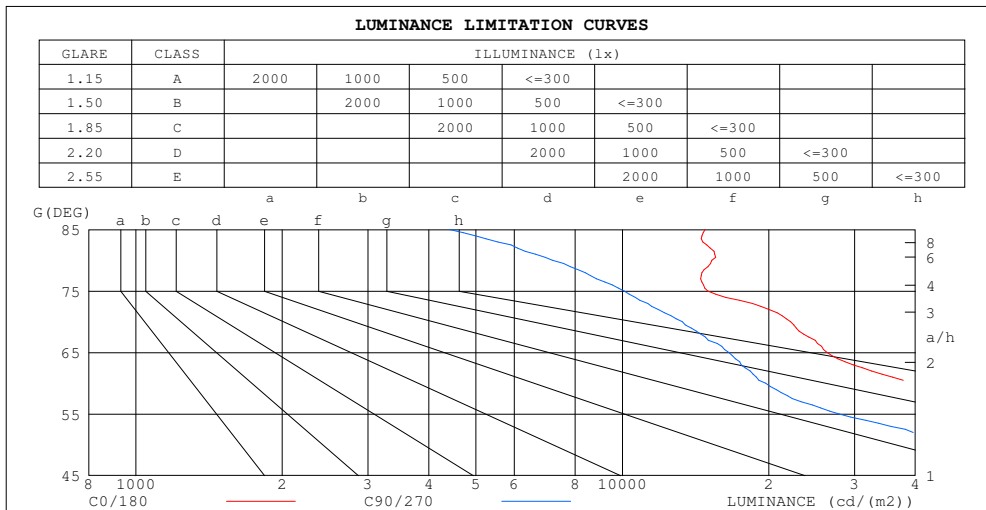
**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.0DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-08**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 48.3%**  
**Test Distance: 26.000m [K=1.0000]**  
**Remarks:**

**ZONAL FLUX DIAGRAM  
AND LUMINANCE LIMITATION CURVES**

**ZONAL FLUX DIAGRAM:**

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\phi$ zone	$\phi$ total	%lum, lamp
5	2795	2737	2654	2694	2726	2751	2735	2785	0- 5	678.5	678.5	5.83,5.83
10	2370	2168	1816	2125	2292	2222	1980	2280	5- 10	1745	2423	20.8,20.8
15	1882	1419	914.6	1393	1798	1515	1024	1564	10- 15	2099	4522	38.9,38.9
20	1354	786.5	526.6	763.2	1274	840.0	572.8	872.0	15- 20	1865	6387	54.9,54.9
25	908.4	455.5	331.4	437.9	843.8	478.3	380.1	494.8	20- 25	1465	7851	67.5,67.5
30	586.7	290.3	228.3	279.8	547.0	306.4	260.2	317.6	25- 30	1112	8963	77.1,77.1
35	366.1	194.0	168.7	186.0	337.5	203.9	192.2	210.6	30- 35	832.7	9796	84.2,84.2
40	217.2	128.9	120.6	121.2	201.0	133.9	139.2	140.5	35- 40	608.6	10405	89.5,89.5
45	128.1	84.20	77.42	78.72	118.8	88.03	92.24	91.51	40- 45	435.4	10840	93.2,93.2
50	76.85	53.60	40.02	50.34	69.16	57.50	52.49	59.73	45- 50	298.0	11138	95.8,95.8
55	43.84	34.19	19.18	31.53	39.08	36.08	25.70	38.07	50- 55	193.5	11331	97.4,97.4
60	24.01	20.53	11.83	18.51	20.73	21.55	13.83	23.27	55- 60	119.3	11451	98.5,98.5
65	13.37	11.30	8.387	10.05	12.72	11.99	9.062	13.06	60- 65	70.73	11521	99.1,99.1
70	9.094	6.079	5.452	5.684	7.938	6.346	5.835	6.823	65- 70	42.54	11564	99.4,99.4
75	4.653	3.810	3.132	3.538	4.365	3.775	3.438	4.111	70- 75	25.85	11590	99.7,99.7
80	3.183	1.770	1.497	1.660	2.851	1.840	1.722	2.025	75- 80	15.10	11605	99.8,99.8
85	1.546	0.8491	0.4617	0.7501	1.329	0.7942	0.5506	0.9542	80- 85	8.096	11613	99.9,99.9
90	0.0012	0	0	0	0	0	0	0	85- 90	2.378	11615	99.9,99.9
95	0	0	0	0	0	0	0	0	90- 95	0.0000	11615	99.9,99.9
100	0	0	0	0	0	0	0	0	95-100	0	11615	99.9,99.9
105	0	0	0	0	0	0	0	0	100-105	0	11615	99.9,99.9
110	0	0	0	0	0	0	0	0	105-110	0	11615	99.9,99.9
115	0	0	0	0	0	0	0	0	110-115	0	11615	99.9,99.9
120	0	0	0	0	0	0	0	0	115-120	0	11615	99.9,99.9
125	0	0	0	0	0.0277	0	0	0	120-125	0.0035	11615	99.9,99.9
130	0.0174	0	0	0	0.0785	0.0255	0.0374	0.0302	125-130	0.0463	11615	99.9,99.9
135	0.1318	0.0723	0.0358	0.0363	0.1995	0.0728	0.0840	0.0726	130-135	0.1996	11616	99.9,99.9
140	0.2768	0.1154	0.0957	0.1143	0.3449	0.1521	0.1380	0.1393	135-140	0.4746	11616	99.9,99.9
145	0.4638	0.2417	0.1741	0.2405	0.5499	0.2921	0.2283	0.2604	140-145	0.8099	11617	99.9,99.9
150	0.6265	0.4480	0.3350	0.5185	0.8218	0.5417	0.4030	0.4784	145-150	1.237	11618	99.9,99.9
155	1.101	0.6914	0.6584	0.9836	1.268	0.9867	0.7886	0.8299	150-155	1.904	11620	99.9,99.9
160	1.385	1.171	1.174	1.389	1.587	1.465	1.360	1.217	155-160	2.528	11623	99.9,99.9
165	1.731	1.579	1.703	1.838	1.871	1.794	1.959	1.591	160-165	2.662	11625	100,100
170	2.207	1.986	2.088	2.074	2.299	2.218	2.360	2.002	165-170	2.424	11628	100,100
175	2.452	2.315	2.381	2.338	2.612	2.556	2.485	2.270	170-175	1.681	11629	100,100
180	2.515	2.467	2.576	2.413	2.558	2.819	2.600	2.286	175-180	0.6155	11630	100,100
DEG	LUMINOUS INTENSITY: *10cd								UNIT: lm			



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	14783	4414
80	15273	7184
75	14982	10086
70	22157	13283
65	26354	16538
60	40017	19712
55	63697	27867
50	99634	51880
45	150966	91235

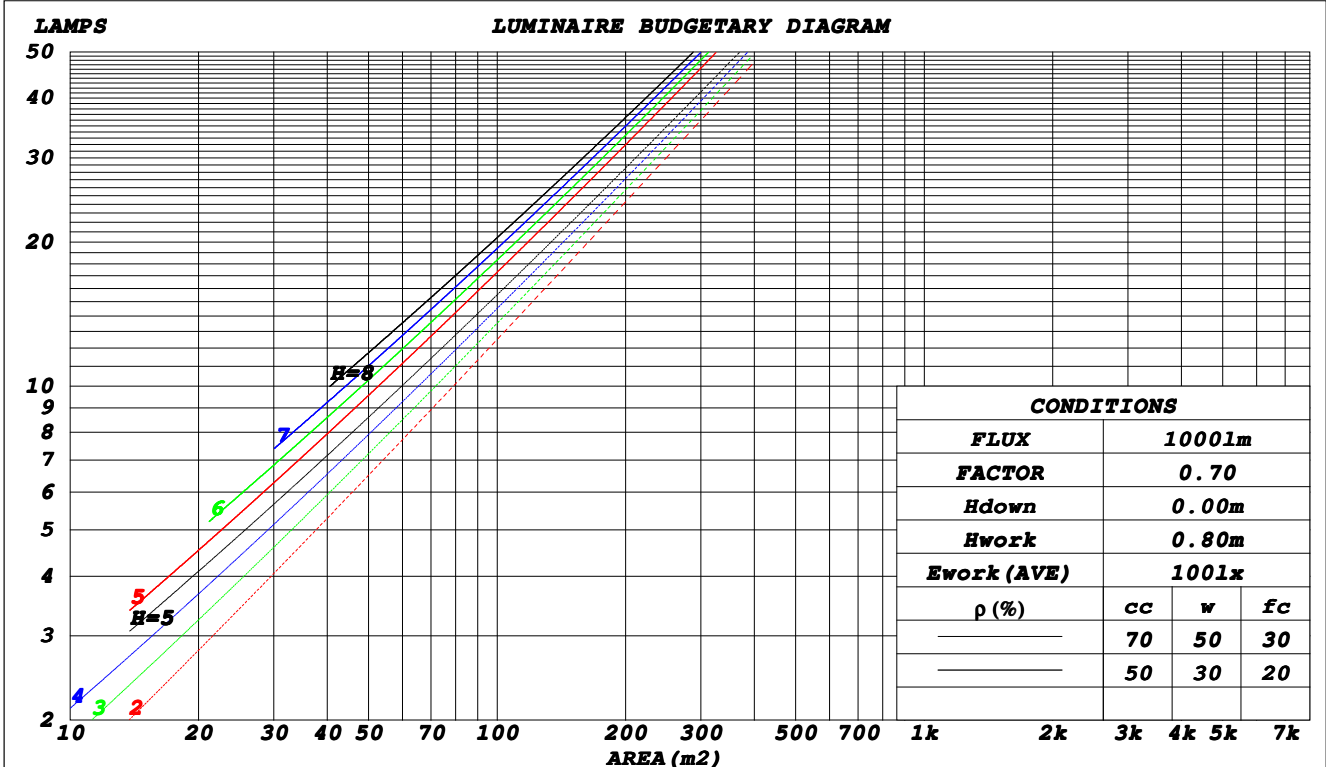
**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.0DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-08**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 48.3%**  
**Test Distance: 26.000m [K=1.000]**  
**Remarks:**

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:119.6V I:1.067A P:126.6W PF:0.9920 Lamp Flux:11629x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B2040408	WEIGHT:
SPEC.:	DIM.: L432*W413*H75mm	SERIAL No.:
MFR.: Shenzhen Sinotron-Lighting Co.,Ltd	SUR.:0.012	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>															
	<b>Coefficients of Utilization(CU)</b>															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.92	.90	.88
3.0	.98	.93	.89	.96	.92	.89	.94	.90	.87	.91	.88	.86	.89	.87	.85	.83
4.0	.92	.87	.83	.91	.86	.83	.89	.85	.82	.87	.83	.81	.85	.82	.80	.78
5.0	.87	.82	.78	.86	.81	.77	.84	.80	.77	.83	.79	.76	.81	.78	.75	.74
6.0	.83	.77	.73	.82	.77	.73	.80	.76	.73	.79	.75	.72	.78	.74	.72	.70
7.0	.79	.73	.69	.78	.73	.69	.77	.72	.69	.76	.71	.68	.74	.71	.68	.67
8.0	.75	.70	.66	.74	.69	.66	.73	.69	.65	.72	.68	.65	.71	.68	.65	.64
9.0	.72	.66	.63	.71	.66	.63	.70	.66	.62	.69	.65	.62	.69	.65	.62	.61
10.0	.69	.63	.60	.68	.63	.60	.67	.63	.60	.67	.63	.60	.66	.62	.59	.58



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: GANG YU  
 Test Date: 2015-08-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287  
 Humidity: 48.3%  
 Test Distance: 26.000m [K=1.0000]  
 Remarks:

**WEC AND CCEC**

Test:U:119.6V I:1.067A P:126.6W PF:0.9920 Lamp Flux:11629x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B2040408	WEIGHT:
SPEC.:	DIM.: L432*W413*H75mm	SERIAL No.:
MFR.: Shenzhen Sinotron-Lighting Co.,Ltd	SUR.:0.012	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Wall Exitance Coefficients (WEC)</b>									
0.0																
1.0	.169	.096	.031	.163	.093	.029	.150	.086	.027	.138	.080	.026	.128	.074	.024	
2.0	.161	.088	.027	.155	.086	.026	.145	.080	.025	.135	.076	.024	.126	.071	.022	
3.0	.152	.081	.024	.147	.079	.024	.138	.075	.023	.130	.071	.022	.122	.068	.021	
4.0	.144	.075	.022	.140	.073	.022	.132	.070	.021	.125	.067	.020	.118	.064	.020	
5.0	.136	.069	.020	.133	.068	.020	.126	.066	.019	.120	.063	.019	.114	.061	.018	
6.0	.129	.065	.019	.126	.064	.018	.120	.062	.018	.115	.060	.018	.110	.058	.017	
7.0	.123	.061	.017	.120	.060	.017	.115	.058	.017	.110	.057	.016	.106	.055	.016	
8.0	.117	.057	.016	.115	.056	.016	.110	.055	.016	.106	.054	.015	.102	.052	.015	
9.0	.112	.054	.015	.110	.053	.015	.106	.052	.015	.102	.051	.015	.098	.050	.014	
10.0	.107	.051	.014	.105	.051	.014	.101	.050	.014	.098	.049	.014	.095	.048	.014	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Ceiling Cavity Exitance Coefficients (CCEC)</b>									
0.0																
1.0	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
2.0	.156	.134	.115	.133	.115	.099	.091	.080	.069	.053	.046	.041	.017	.015	.013	
3.0	.143	.114	.092	.122	.099	.080	.084	.069	.056	.049	.040	.033	.016	.013	.011	
4.0	.132	.100	.075	.113	.086	.065	.078	.060	.046	.045	.035	.027	.014	.011	.009	
5.0	.123	.088	.062	.105	.076	.054	.073	.053	.038	.042	.031	.023	.014	.010	.007	
6.0	.115	.078	.052	.099	.068	.046	.068	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.108	.071	.045	.093	.061	.039	.064	.043	.028	.037	.025	.016	.012	.008	.005	
8.0	.102	.064	.038	.088	.056	.034	.061	.039	.024	.035	.023	.014	.011	.008	.005	
9.0	.096	.059	.034	.083	.051	.029	.057	.036	.021	.033	.021	.012	.011	.007	.004	
10.0	.092	.054	.030	.079	.047	.026	.055	.033	.018	.032	.020	.011	.010	.006	.004	

**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.0DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-08**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 48.3%**  
**Test Distance: 26.000m [K=1.0000]**  
**Remarks:**

**UGR(Unified Glare Rating) Table**

Test:U:119.6V I:1.067A P:126.6W PF:0.9920 Lamp Flux:11629x1 lm										
NAME: LED FLOOD LIGHT					TYPE:KS-LF140B2040408			WEIGHT:		
SPEC.:					DIM.: L432*W413*H75mm			SERIAL No.:		
MFR.: Shenzhen Sinotron-Lighting Co.,Ltd					SUR.:0.012			Shielding Angle:		
<b>ceiling/cavity</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	<b>0.3</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	<b>0.3</b>
<b>walls</b>	<b>0.5</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.3</b>
<b>working plane</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>
<b>Room dimensions</b>	<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>x = 2H y = 2H</b>	<b>24.5</b>	<b>25.4</b>	<b>24.7</b>	<b>25.5</b>	<b>25.7</b>	<b>21.4</b>	<b>22.3</b>	<b>21.6</b>	<b>22.5</b>	<b>22.6</b>
<b>3H</b>	<b>24.5</b>	<b>25.3</b>	<b>24.7</b>	<b>25.5</b>	<b>25.7</b>	<b>21.4</b>	<b>22.2</b>	<b>21.7</b>	<b>22.4</b>	<b>22.6</b>
<b>4H</b>	<b>24.4</b>	<b>25.2</b>	<b>24.7</b>	<b>25.4</b>	<b>25.6</b>	<b>21.4</b>	<b>22.1</b>	<b>21.7</b>	<b>22.4</b>	<b>22.6</b>
<b>6H</b>	<b>24.4</b>	<b>25.1</b>	<b>24.7</b>	<b>25.4</b>	<b>25.6</b>	<b>21.3</b>	<b>22.1</b>	<b>21.6</b>	<b>22.3</b>	<b>22.5</b>
<b>8H</b>	<b>24.4</b>	<b>25.1</b>	<b>24.7</b>	<b>25.3</b>	<b>25.6</b>	<b>21.3</b>	<b>22.0</b>	<b>21.6</b>	<b>22.2</b>	<b>22.5</b>
<b>12H</b>	<b>24.3</b>	<b>25.0</b>	<b>24.7</b>	<b>25.3</b>	<b>25.6</b>	<b>21.3</b>	<b>21.9</b>	<b>21.6</b>	<b>22.2</b>	<b>22.5</b>
<b>4H 2H</b>	<b>24.4</b>	<b>25.1</b>	<b>24.6</b>	<b>25.3</b>	<b>25.6</b>	<b>21.4</b>	<b>22.2</b>	<b>21.7</b>	<b>22.4</b>	<b>22.6</b>
<b>3H</b>	<b>24.4</b>	<b>25.0</b>	<b>24.7</b>	<b>25.3</b>	<b>25.6</b>	<b>21.5</b>	<b>22.1</b>	<b>21.8</b>	<b>22.4</b>	<b>22.7</b>
<b>4H</b>	<b>24.3</b>	<b>24.9</b>	<b>24.7</b>	<b>25.2</b>	<b>25.5</b>	<b>21.5</b>	<b>22.1</b>	<b>21.8</b>	<b>22.4</b>	<b>22.7</b>
<b>6H</b>	<b>24.3</b>	<b>24.8</b>	<b>24.7</b>	<b>25.2</b>	<b>25.5</b>	<b>21.4</b>	<b>21.9</b>	<b>21.8</b>	<b>22.3</b>	<b>22.6</b>
<b>8H</b>	<b>24.3</b>	<b>24.8</b>	<b>24.7</b>	<b>25.1</b>	<b>25.5</b>	<b>21.4</b>	<b>21.9</b>	<b>21.8</b>	<b>22.2</b>	<b>22.6</b>
<b>12H</b>	<b>24.3</b>	<b>24.7</b>	<b>24.7</b>	<b>25.1</b>	<b>25.5</b>	<b>21.3</b>	<b>21.8</b>	<b>21.7</b>	<b>22.2</b>	<b>22.6</b>
<b>8H 4H</b>	<b>24.2</b>	<b>24.7</b>	<b>24.6</b>	<b>25.1</b>	<b>25.4</b>	<b>21.4</b>	<b>21.9</b>	<b>21.8</b>	<b>22.2</b>	<b>22.6</b>
<b>6H</b>	<b>24.2</b>	<b>24.6</b>	<b>24.6</b>	<b>25.0</b>	<b>25.4</b>	<b>21.4</b>	<b>21.8</b>	<b>21.8</b>	<b>22.2</b>	<b>22.6</b>
<b>8H</b>	<b>24.2</b>	<b>24.5</b>	<b>24.6</b>	<b>25.0</b>	<b>25.4</b>	<b>21.3</b>	<b>21.7</b>	<b>21.8</b>	<b>22.1</b>	<b>22.5</b>
<b>12H</b>	<b>24.2</b>	<b>24.5</b>	<b>24.7</b>	<b>24.9</b>	<b>25.4</b>	<b>21.3</b>	<b>21.6</b>	<b>21.8</b>	<b>22.0</b>	<b>22.5</b>
<b>12H 4H</b>	<b>24.2</b>	<b>24.6</b>	<b>24.6</b>	<b>25.0</b>	<b>25.4</b>	<b>21.3</b>	<b>21.8</b>	<b>21.7</b>	<b>22.2</b>	<b>22.5</b>
<b>6H</b>	<b>24.1</b>	<b>24.5</b>	<b>24.6</b>	<b>24.9</b>	<b>25.4</b>	<b>21.3</b>	<b>21.7</b>	<b>21.8</b>	<b>22.1</b>	<b>22.5</b>
<b>8H</b>	<b>24.1</b>	<b>24.5</b>	<b>24.6</b>	<b>24.9</b>	<b>25.4</b>	<b>21.3</b>	<b>21.6</b>	<b>21.8</b>	<b>22.0</b>	<b>22.5</b>
<b>Variations with the observer position at spacings:</b>										
<b>S = 1.0H</b>	<b>+ 3.1 / - 3.4</b>					<b>+ 1.8 / - 3.7</b>				
<b>1.5H</b>	<b>+ 4.3 / - 3.1</b>					<b>+ 2.2 / - 2.9</b>				
<b>2.0H</b>	<b>+ 4.6 / - 4.0</b>					<b>+ 3.7 / - 4.0</b>				

CIE Pub.117 Corrected 11629 lm Total Lamp Luminous Flux. (8log(F/F0) = 8.5)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: GANG YU  
 Test Date: 2015-08-08

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287  
 Humidity: 48.3%  
 Test Distance: 26.000m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:119.6V I:1.067A P:126.6W PF:0.9920 Lamp Flux:11629x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B2040408	WEIGHT:
SPEC.:	DIM.: L432*W413*H75mm	SERIAL No.:
MFR.: Shenzhen Sinotron-Lighting Co.,Ltd	SUR.:0.012	Shielding Angle:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	85	78	74	84	78	74	84	78	74	70
0.80	93	86	82	92	86	82	91	85	82	78
1.00	98	92	88	97	91	87	95	91	87	83
1.25	102	96	93	101	96	92	99	95	91	87
1.50	105	100	96	104	99	96	101	97	95	90
2.00	108	103	100	106	102	99	104	100	98	92
2.50	110	106	102	108	104	101	105	102	100	93
3.00	111	108	105	109	106	104	106	103	101	95
4.00	113	110	108	111	109	107	108	106	104	97
5.00	115	112	110	112	110	109	108	107	106	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.0DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-08**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 48.3%**  
**Test Distance: 26.000m [K=1.0000]**  
**Remarks:**

**ISOCANDELA DIAGRAM**

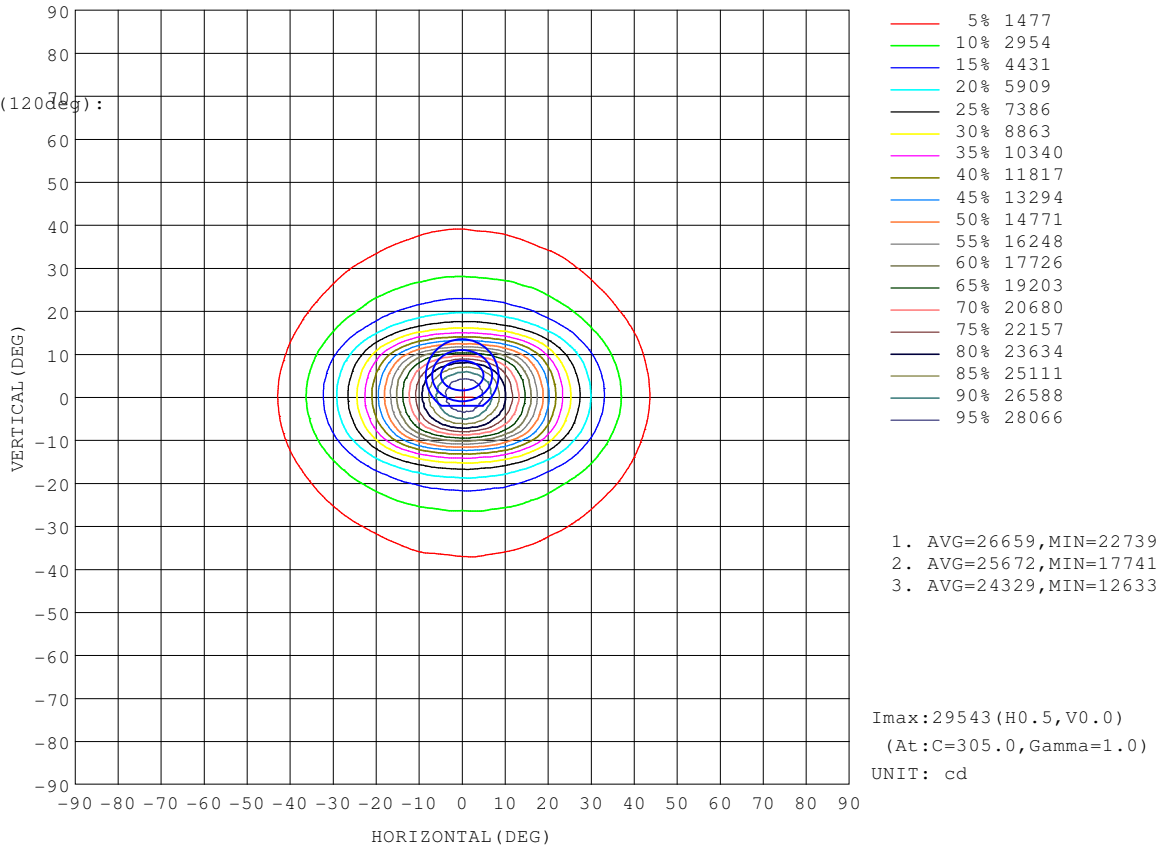
Test:U:119.6V I:1.067A P:126.6W PF:0.9920 Lamp Flux:11629x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B2040408	WEIGHT:
SPEC.:	DIM.: L432*W413*H75mm	SERIAL No.:
MFR.: Shenzhen Sinotron-Lighting Co.,Ltd	SUR.:0.012	Shielding Angle:

Conical surface Flux(90deg):

10840 lm  
%lum = 93.2%  
%lamp = 93.2%

Conical surface Flux(120deg):

11451 lm  
%lum = 98.5%  
%lamp = 98.5%



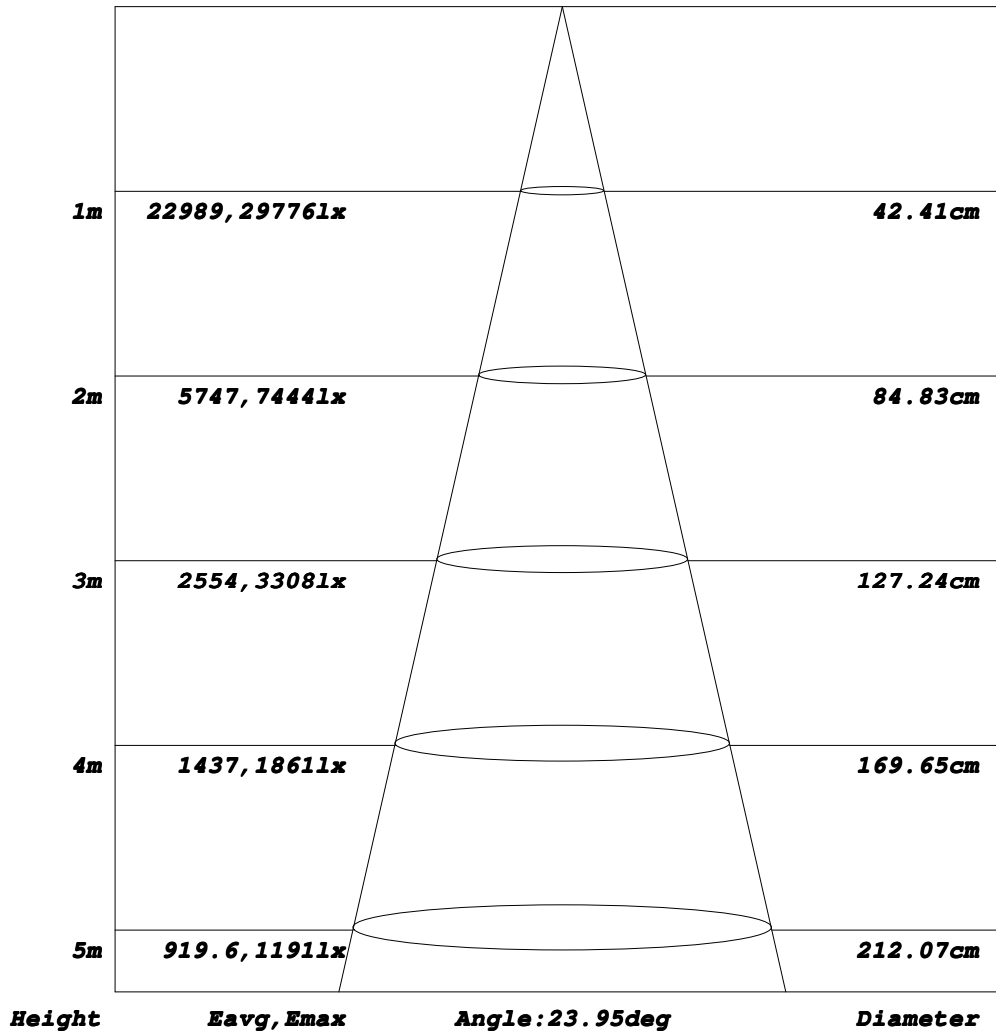
**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.0DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-08**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 48.3%**  
**Test Distance: 26.000m [K=1.0000]**  
**Remarks:**

**AAI Figure**

Test:U:119.6V I:1.067A P:126.6W PF:0.9920 Lamp Flux:11629x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B2040408	WEIGHT:
SPEC.:	DIM.: L432*W413*H75mm	SERIAL No.:
MFR.: Shenzhen Sinotron-Lighting Co.,Ltd	SUR.:0.012	Shielding Angle:

**Flux out:3263 lm**



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

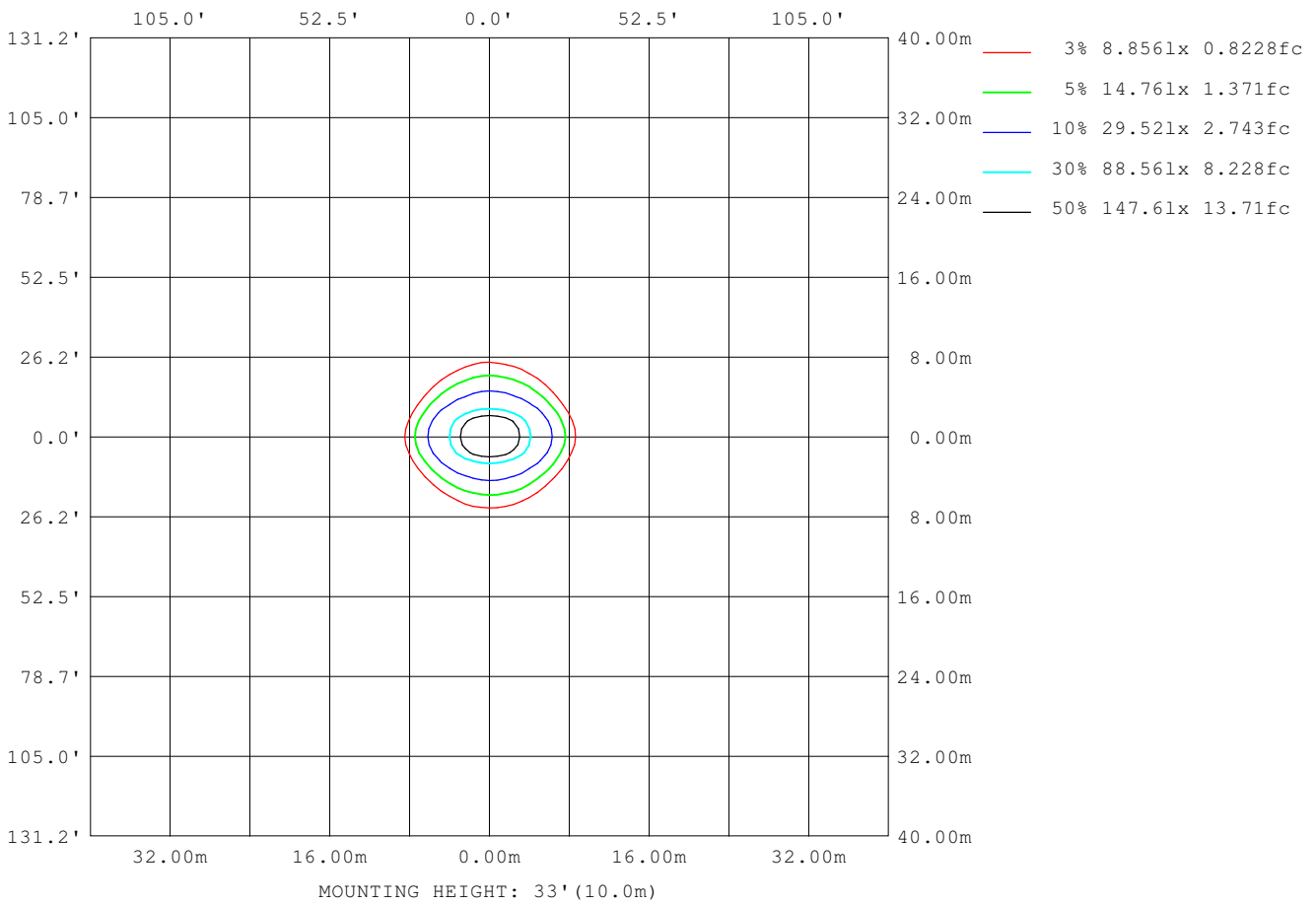
**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.0DEG**  
**Operators:GANG YU**  
**Test Date:2015-08-08**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 48.3%**  
**Test Distance:26.000m [K=1.0000]**  
**Remarks:**



**ISOLUX DIAGRAM**

Test:U:119.6V I:1.067A P:126.6W PF:0.9920 Lamp Flux:11629x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B2040408	WEIGHT:
SPEC.:	DIM.: L432*W413*H75mm	SERIAL No.:
MFR.: Shenzhen Sinotron-Lighting Co.,Ltd	SUR.:0.012	Shielding Angle:



**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.0DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-08**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 48.3%**  
**Test Distance: 26.000m [K=1.0000]**  
**Remarks:**

**LED Avg.L Report**

Test:U:119.6V I:1.067A P:126.6W PF:0.9920 Lamp Flux:11629x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B2040408	WEIGHT:
SPEC.:	DIM.: L432*W413*H75mm	SERIAL No.:
MFR.: Shenzhen Sinotron-Lighting Co.,Ltd	SUR.:0.012	Shielding Angle:

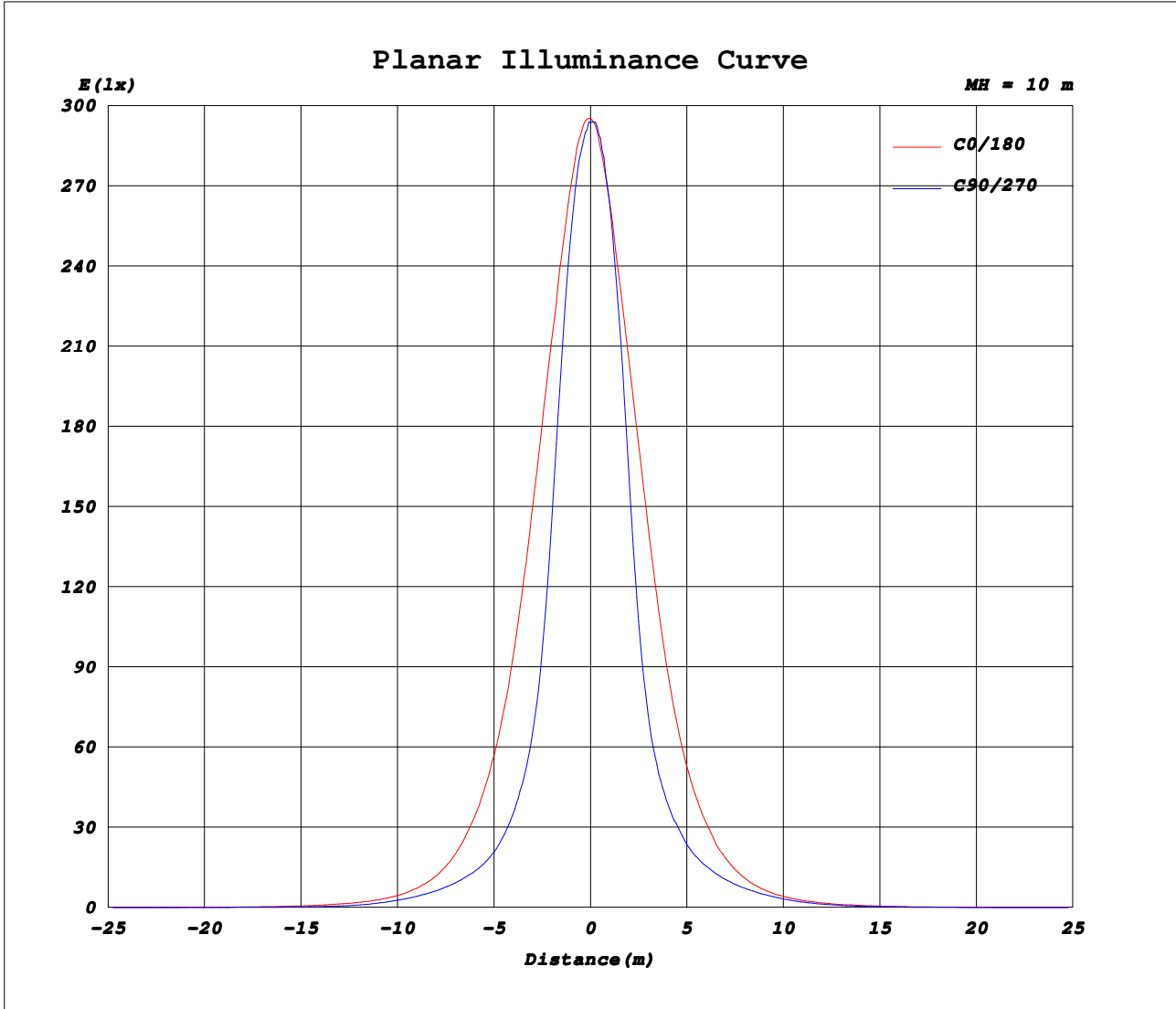
AvgL	cd/m2
L_0~180 (65) av	25718
L_0~180 (75) av	14518
L_0~180 (85) av	13743
L_90~270 (65) av	17204
L_90~270 (75) av	10578
L_90~270 (85) av	4839
L_45 (65) av	22877
L_45 (75) av	12262
L_45 (85) av	8002

Standard: GB/T 29293-2012

**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.0DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-08**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 48.3%**  
**Test Distance: 26.000m [K=1.0000]**  
**Remarks:**

**Planar Illuminance Curve**



**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.0DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-08**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 48.3%**  
**Test Distance: 26.000m [K=1.0000]**  
**Remarks:**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:119.6V I:1.067A P:126.6W PF:0.9920 Lamp Flux:11629x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B2040408	WEIGHT:
SPEC.:	DIM.: L432*W413*H75mm	SERIAL No.:
MFR.: Shenzhen Sinotron-Lighting Co.,Ltd	SUR.:0.012	Shielding Angle:

Table--1

UNIT: ×10cd

C (DEG) \ γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2952	2958	2943	2953	2931	2937	2936	2938	2929	2941	2967	2935	2948	2961	2934	2945	2935	2935	2937
5	2795	2800	2774	2783	2755	2757	2761	2735	2734	2737	2736	2712	2710	2699	2683	2671	2694	2669	2654
10	2370	2374	2352	2362	2326	2318	2283	2247	2215	2168	2123	2064	1994	1962	1899	1866	1854	1835	1816
15	1882	1884	1854	1851	1815	1776	1708	1623	1518	1419	1319	1216	1132	1069	1006	970	949	932	915
20	1354	1347	1316	1298	1244	1182	1092	977	871	786	711	657	616	585	559	541	527	532	527
25	908	898	865	839	774	707	631	550	494	455	425	400	383	369	352	342	339	336	331
30	587	580	553	514	462	418	372	335	306	290	276	264	259	250	239	235	234	233	228
35	366	352	331	304	273	250	230	211	201	194	187	181	178	175	172	169	170	170	169
40	217	212	196	183	167	156	145	137	131	129	125	121	122	122	121	119	119	121	121
45	128	125	117	112	105	99.1	92.2	88.1	84.8	84.2	82.7	80.6	80.4	79.2	77.7	77.2	77.3	76.1	77.4
50	76.9	74.9	71.1	68.9	65.4	62.0	58.8	56.6	54.7	53.6	53.0	51.3	50.4	49.1	46.5	44.5	42.5	40.8	40.0
55	43.8	43.1	42.1	41.7	39.9	37.9	36.8	35.3	34.5	34.2	33.2	31.8	30.2	28.8	26.0	23.5	21.1	19.6	19.2
60	24.0	24.0	23.7	23.2	22.2	22.0	21.7	21.1	20.7	20.5	19.7	19.0	17.5	16.0	14.1	12.7	12.0	11.8	11.8
65	13.4	13.2	12.6	12.3	11.9	12.0	11.7	11.4	11.3	11.3	11.0	10.4	9.60	8.80	8.11	7.95	8.22	8.28	8.39
70	9.09	8.49	7.51	7.09	7.27	7.68	7.15	6.53	6.46	6.08	5.88	5.58	5.29	5.17	5.14	5.33	5.52	5.50	5.45
75	4.65	4.63	4.53	4.28	4.01	3.91	3.88	3.68	3.72	3.81	3.63	3.47	3.17	3.06	3.03	3.09	3.16	3.18	3.13
80	3.18	3.18	2.98	2.56	2.44	2.59	2.44	2.01	1.94	1.77	1.83	1.88	1.91	1.82	1.57	1.54	1.51	1.49	1.50
85	1.55	1.56	1.48	1.27	1.12	1.33	1.37	0.97	0.96	0.85	0.80	0.70	0.76	0.78	0.73	0.59	0.51	0.48	0.46
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
135	0.13	0.13	0.08	0.09	0.09	0.07	0.01	0.02	0.06	0.07	0.08	0.08	0.08	0.07	0.04	0.05	0.04	0.03	0.04
140	0.28	0.27	0.20	0.23	0.25	0.22	0.14	0.09	0.10	0.12	0.13	0.14	0.13	0.13	0.11	0.11	0.10	0.09	0.10
145	0.46	0.45	0.37	0.40	0.45	0.45	0.39	0.24	0.19	0.24	0.27	0.26	0.26	0.25	0.22	0.20	0.19	0.18	0.17
150	0.63	0.64	0.54	0.68	0.72	0.76	0.72	0.59	0.45	0.45	0.48	0.49	0.48	0.46	0.41	0.38	0.36	0.35	0.33
155	1.10	1.17	1.04	0.98	1.09	1.15	1.20	1.14	0.80	0.69	0.86	0.89	0.91	0.89	0.82	0.76	0.72	0.69	0.66
160	1.39	1.48	1.38	1.17	1.46	1.52	1.63	1.64	1.34	1.17	1.15	1.27	1.36	1.41	1.35	1.28	1.23	1.12	1.17
165	1.73	1.83	1.79	1.64	1.85	1.98	2.06	2.12	1.98	1.58	1.39	1.67	1.83	1.88	1.84	1.79	1.69	1.73	1.70
170	2.21	2.36	2.36	2.21	2.20	2.47	2.55	2.50	2.42	1.99	1.74	2.01	2.23	2.27	2.20	2.13	2.11	2.09	2.09
175	2.45	2.52	2.49	2.36	2.40	2.76	2.89	2.84	2.69	2.31	2.15	2.29	2.48	2.48	2.47	2.50	2.49	2.49	2.38
180	2.52	2.59	2.50	2.53	2.53	2.76	2.89	2.90	2.84	2.47	2.35	2.44	2.50	2.61	2.62	2.66	2.61	2.67	2.58

**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.0DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-08**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 48.3%**  
**Test Distance: 26.000m [K=1.0000]**  
**Remarks:**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:119.6V I:1.067A P:126.6W PF:0.9920 Lamp Flux:11629x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B2040408	WEIGHT:
SPEC.:	DIM.: L432*W413*H75mm	SERIAL No.:
MFR.: Shenzhen Sinotron-Lighting Co.,Ltd	SUR.:0.012	Shielding Angle:

Table--2

UNIT: x10cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	2924	2935	2946	2947	2932	2928	2956	2942	2938	2938	2935	2949	2938	2947	2954	2936	2946	2952	2958
5	2654	2661	2661	2658	2663	2675	2690	2680	2694	2703	2697	2704	2696	2706	2726	2720	2722	2726	2740
10	1816	1835	1856	1895	1936	1978	2045	2080	2125	2175	2205	2233	2243	2256	2281	2266	2298	2292	2304
15	917	935	969	1002	1053	1117	1202	1296	1393	1488	1578	1654	1701	1725	1758	1772	1793	1798	1803
20	521	523	537	556	575	597	644	692	763	848	946	1034	1110	1171	1220	1244	1269	1274	1283
25	334	335	340	350	360	371	390	413	438	481	537	601	667	732	785	809	840	844	844
30	229	230	232	237	238	247	259	269	280	299	324	356	395	442	492	519	542	547	547
35	166	167	170	171	169	170	174	178	186	193	205	220	235	259	286	310	336	338	339
40	118	117	118	119	118	117	116	118	121	126	131	138	146	156	172	185	197	201	198
45	76.3	76.6	76.5	75.3	76.0	75.7	75.8	77.6	78.7	81.2	84.1	87.1	91.4	96.8	103	110	118	119	116
50	41.0	42.9	44.3	45.7	46.9	47.5	48.1	49.5	50.3	51.4	52.7	54.4	56.7	58.7	62.2	65.1	68.4	69.2	68.9
55	19.7	21.7	23.7	25.8	27.8	28.8	30.3	30.9	31.5	31.8	32.1	33.4	33.9	35.0	36.4	37.2	38.2	39.1	38.8
60	11.9	12.0	12.6	13.6	15.4	16.7	17.8	18.3	18.5	18.7	19.0	19.2	19.0	19.6	19.9	20.0	20.2	20.7	21.2
65	8.17	7.94	7.75	7.86	8.43	9.05	9.67	9.99	10.1	10.1	10.1	10.7	10.6	10.8	11.2	11.8	12.5	12.7	12.7
70	5.36	5.29	5.12	4.92	4.86	5.01	5.26	5.44	5.68	5.99	6.09	6.68	6.98	6.48	6.49	6.95	7.76	7.94	7.67
75	3.12	3.14	3.05	2.93	2.89	3.02	3.33	3.38	3.54	3.40	3.37	3.64	3.53	3.60	3.87	4.21	4.35	4.37	4.32
80	1.50	1.50	1.51	1.56	1.71	1.79	1.74	1.70	1.66	1.80	1.87	2.21	2.29	2.16	2.32	2.72	2.85	2.85	2.88
85	0.47	0.48	0.58	0.64	0.67	0.65	0.62	0.69	0.75	0.85	0.89	1.17	1.08	0.95	1.10	1.30	1.34	1.33	1.31
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.01	0.01	0.02	0.02	0.08	0.07
135	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.08	0.09	0.13	0.10	0.11	0.14	0.16	0.20	0.19
140	0.10	0.10	0.10	0.10	0.10	0.11	0.10	0.10	0.11	0.13	0.18	0.26	0.31	0.24	0.26	0.30	0.31	0.34	0.34
145	0.18	0.17	0.18	0.19	0.18	0.19	0.21	0.23	0.24	0.31	0.40	0.52	0.56	0.42	0.44	0.49	0.46	0.55	0.52
150	0.32	0.32	0.34	0.37	0.37	0.41	0.43	0.44	0.52	0.65	0.80	0.93	0.92	0.79	0.80	0.76	0.67	0.82	0.77
155	0.69	0.73	0.74	0.76	0.84	0.89	0.83	0.85	0.98	1.18	1.38	1.44	1.20	1.31	1.32	1.30	1.14	1.27	1.24
160	1.18	1.22	1.23	1.28	1.33	1.32	1.14	1.20	1.39	1.64	1.83	1.75	1.51	1.61	1.66	1.56	1.44	1.59	1.61
165	1.69	1.75	1.80	1.82	1.85	1.76	1.47	1.59	1.84	2.11	2.25	1.90	1.96	1.91	1.99	1.79	1.75	1.87	1.92
170	2.05	2.10	2.17	2.15	2.14	1.97	1.73	1.87	2.07	2.41	2.38	2.26	2.22	2.20	2.33	2.21	2.19	2.30	2.35
175	2.39	2.52	2.52	2.39	2.35	2.19	2.06	2.13	2.34	2.55	2.61	2.72	2.62	2.46	2.47	2.35	2.44	2.61	2.61
180	2.58	2.56	2.60	2.58	2.54	2.40	2.28	2.29	2.41	2.60	2.79	2.85	2.79	2.73	2.74	2.56	2.53	2.56	2.52

**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.0DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-08**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 48.3%**  
**Test Distance: 26.000m [K=1.0000]**  
**Remarks:**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:119.6V I:1.067A P:126.6W PF:0.9920 Lamp Flux:11629x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B2040408	WEIGHT:
SPEC.:	DIM.: L432*W413*H75mm	SERIAL No.:
MFR.: Shenzhen Sinotron-Lighting Co.,Ltd	SUR.:0.012	Shielding Angle:

Table--3

UNIT: x10cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	2943	2953	2931	2937	2936	2938	2929	2941	2967	2935	2948	2961	2934	2945	2935	2935	2937	2924	2935
5	2715	2747	2731	2747	2736	2728	2729	2751	2755	2737	2736	2732	2716	2726	2742	2735	2735	2737	2762
10	2293	2310	2297	2299	2285	2260	2241	2222	2188	2149	2119	2106	2035	2014	2007	1977	1980	1990	2014
15	1796	1814	1781	1767	1731	1676	1604	1515	1425	1328	1239	1183	1120	1074	1040	1031	1024	1027	1053
20	1262	1254	1221	1182	1121	1018	926	840	763	703	654	629	600	586	575	575	573	573	581
25	823	810	771	717	645	570	514	478	444	424	394	394	384	382	380	381	380	379	378
30	530	506	463	411	373	342	318	306	291	282	271	265	263	262	258	260	260	257	259
35	317	296	267	245	227	216	208	204	196	192	189	187	188	189	189	193	192	189	186
40	185	173	160	151	143	138	135	134	131	129	130	130	131	136	137	139	139	137	137
45	111	105	99.9	96.7	91.9	89.4	87.5	88.0	86.2	85.8	87.6	88.3	87.4	90.7	91.5	92.4	92.2	91.8	92.5
50	66.5	65.0	63.3	61.0	58.8	57.7	57.4	57.5	55.9	55.7	56.0	55.7	55.0	54.4	54.2	52.2	52.5	53.2	55.0
55	38.4	38.5	37.9	37.1	36.2	35.6	35.9	36.1	35.5	35.4	34.8	34.0	32.1	29.5	27.6	26.4	25.7	26.1	28.1
60	21.4	21.2	21.0	21.0	21.2	21.5	21.6	21.5	21.4	21.1	20.3	19.1	17.0	15.5	14.3	13.9	13.8	14.1	14.7
65	12.3	11.8	11.4	11.5	11.7	11.7	11.8	12.0	11.9	11.7	11.2	10.2	9.33	8.72	8.80	8.97	9.06	9.04	9.04
70	6.94	6.58	6.82	7.31	7.04	6.61	6.57	6.35	6.17	6.02	5.87	5.58	5.47	5.61	5.81	5.84	5.83	5.89	5.81
75	4.18	3.95	3.69	3.76	3.93	3.62	3.73	3.77	3.62	3.55	3.31	3.22	3.22	3.36	3.45	3.44	3.44	3.49	3.54
80	2.69	2.36	2.24	2.37	2.25	1.93	1.88	1.84	1.88	1.95	1.90	1.86	1.70	1.70	1.72	1.72	1.72	1.75	1.80
85	1.29	1.12	0.99	1.13	1.22	0.88	0.88	0.79	0.75	0.70	0.77	0.80	0.71	0.63	0.57	0.56	0.55	0.59	0.60
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.02	0.01	0.01	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.01
130	0.07	0.07	0.07	0.04	0.04	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.04	0.05	0.04	0.04	0.03	0.04
135	0.17	0.16	0.15	0.13	0.10	0.09	0.08	0.07	0.07	0.08	0.07	0.07	0.08	0.08	0.09	0.08	0.08	0.08	0.08
140	0.31	0.29	0.29	0.28	0.22	0.18	0.16	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.14
145	0.51	0.50	0.49	0.49	0.42	0.33	0.30	0.29	0.27	0.26	0.25	0.23	0.23	0.22	0.22	0.22	0.23	0.22	0.23
150	0.81	0.81	0.82	0.80	0.74	0.63	0.58	0.54	0.50	0.47	0.45	0.44	0.41	0.40	0.39	0.40	0.40	0.40	0.40
155	1.30	1.26	1.26	1.19	1.24	1.14	1.03	0.99	0.97	0.93	0.88	0.85	0.82	0.80	0.78	0.76	0.79	0.77	0.79
160	1.56	1.64	1.59	1.66	1.64	1.68	1.52	1.46	1.46	1.46	1.43	1.41	1.39	1.39	1.40	1.39	1.36	1.39	1.41
165	1.85	1.98	1.91	1.95	1.96	1.99	1.94	1.79	1.79	1.84	1.87	1.89	1.89	1.91	1.96	1.96	1.96	1.90	1.90
170	2.32	2.34	2.34	2.26	2.28	2.40	2.33	2.22	2.11	2.07	2.12	2.20	2.27	2.26	2.33	2.40	2.36	2.30	2.26
175	2.65	2.57	2.65	2.59	2.59	2.77	2.75	2.56	2.38	2.29	2.31	2.38	2.50	2.55	2.64	2.53	2.48	2.54	2.57
180	2.58	2.54	2.54	2.54	2.79	2.90	2.93	2.82	2.46	2.35	2.43	2.53	2.59	2.61	2.62	2.60	2.60	2.61	2.59

**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.0DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-08**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 48.3%**  
**Test Distance: 26.000m [K=1.0000]**  
**Remarks:**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:119.6V I:1.067A P:126.6W PF:0.9920 Lamp Flux:11629x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B2040408	WEIGHT:
SPEC.:	DIM.: L432*W413*H75mm	SERIAL No.:
MFR.: Shenzhen Sinotron-Lighting Co.,Ltd	SUR.:0.012	Shielding Angle:

Table--4

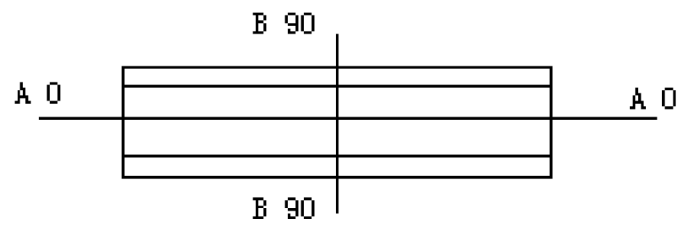
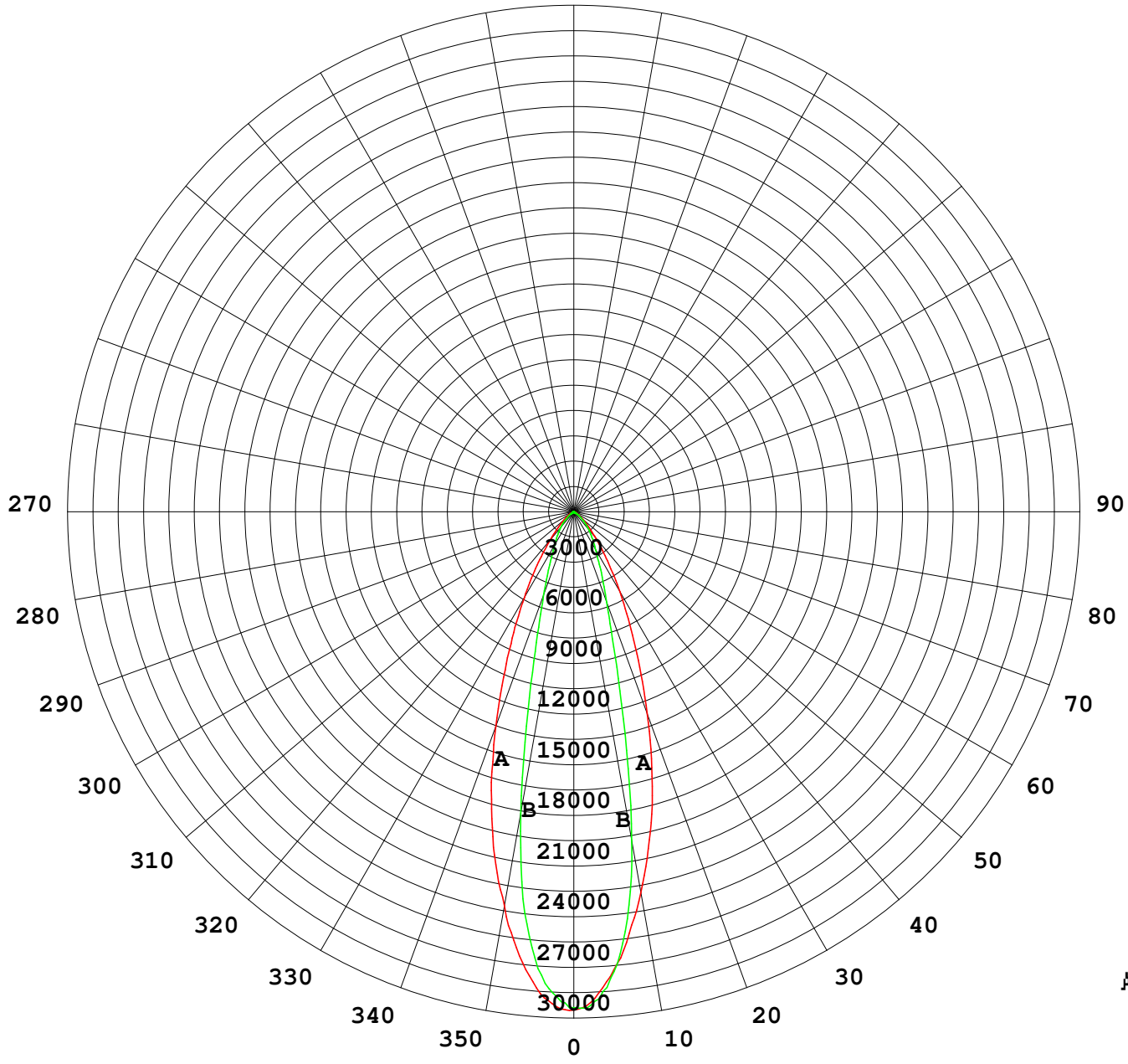
UNIT: x10cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	2946	2947	2932	2928	2956	2942	2938	2938	2935	2949	2938	2947	2954	2936	2946				
5	2759	2767	2756	2770	2788	2789	2785	2795	2795	2796	2783	2795	2816	2781	2789				
10	2041	2066	2118	2149	2213	2237	2280	2312	2332	2360	2362	2369	2381	2375	2378				
15	1081	1124	1192	1270	1362	1455	1564	1661	1742	1793	1829	1857	1875	1874	1890				
20	596	612	633	671	726	794	872	980	1082	1183	1247	1300	1330	1335	1356				
25	384	396	404	412	441	466	495	545	606	689	759	823	860	885	905				
30	262	268	274	280	295	306	318	338	366	407	446	498	537	569	585				
35	188	191	194	195	201	206	211	221	232	243	263	292	320	346	365				
40	136	135	134	135	137	140	141	143	146	154	162	176	192	205	215				
45	92.6	91.2	90.7	89.9	91.3	92.8	91.5	92.8	95.3	99.0	103	109	116	121	127				
50	56.9	57.6	57.2	58.2	59.6	60.2	59.7	61.0	61.6	63.3	64.8	67.8	71.5	74.0	76.4				
55	30.5	32.8	34.5	35.8	37.8	37.9	38.1	38.5	38.7	39.6	40.4	41.9	43.0	43.5	44.4				
60	16.1	17.7	19.6	21.2	22.9	23.3	23.3	23.5	23.5	24.0	23.7	23.7	24.2	24.5	24.7				
65	9.20	9.67	10.8	12.0	12.8	13.0	13.1	13.0	13.0	13.0	12.9	12.9	12.8	13.0	13.3				
70	5.68	5.74	5.96	6.32	6.60	6.69	6.82	7.04	7.03	7.64	8.00	7.72	7.39	7.92	8.73				
75	3.46	3.40	3.43	3.47	3.69	3.87	4.11	4.08	4.11	4.28	4.16	4.18	4.39	4.73	4.79				
80	1.78	1.79	1.94	2.00	2.15	2.08	2.02	2.06	2.18	2.51	2.61	2.48	2.60	3.00	3.21				
85	0.68	0.78	0.87	0.89	0.84	0.91	0.95	1.05	1.12	1.43	1.35	1.19	1.34	1.58	1.59				
90	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
125	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02				
130	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.05	0.05	0.05	0.07				
135	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.11	0.13	0.13	0.16	0.19				
140	0.14	0.14	0.13	0.14	0.14	0.14	0.14	0.15	0.15	0.19	0.24	0.25	0.25	0.28	0.33				
145	0.22	0.24	0.24	0.24	0.23	0.23	0.26	0.28	0.32	0.38	0.45	0.45	0.45	0.48	0.51				
150	0.41	0.41	0.42	0.42	0.43	0.44	0.48	0.53	0.57	0.68	0.71	0.73	0.69	0.69	0.78				
155	0.80	0.81	0.82	0.82	0.81	0.80	0.83	0.87	1.00	1.12	1.10	1.12	1.11	1.12	1.24				
160	1.40	1.40	1.36	1.31	1.31	1.25	1.22	1.33	1.52	1.55	1.52	1.49	1.47	1.40	1.58				
165	1.91	1.89	1.87	1.84	1.81	1.68	1.59	1.75	1.94	1.97	2.00	1.89	1.91	1.88	1.98				
170	2.26	2.32	2.34	2.29	2.19	2.11	2.00	2.10	2.32	2.55	2.60	2.50	2.44	2.32	2.46				
175	2.59	2.53	2.54	2.51	2.47	2.34	2.27	2.22	2.57	2.94	2.92	2.84	2.77	2.68	2.66				
180	2.59	2.59	2.59	2.53	2.43	2.26	2.29	2.43	2.63	2.80	2.85	2.78	2.75	2.68	2.50				

**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.0DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-08**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 48.3%**  
**Test Distance: 26.000m [K=1.0000]**  
**Remarks:**

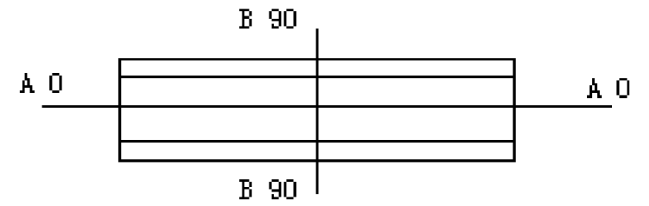
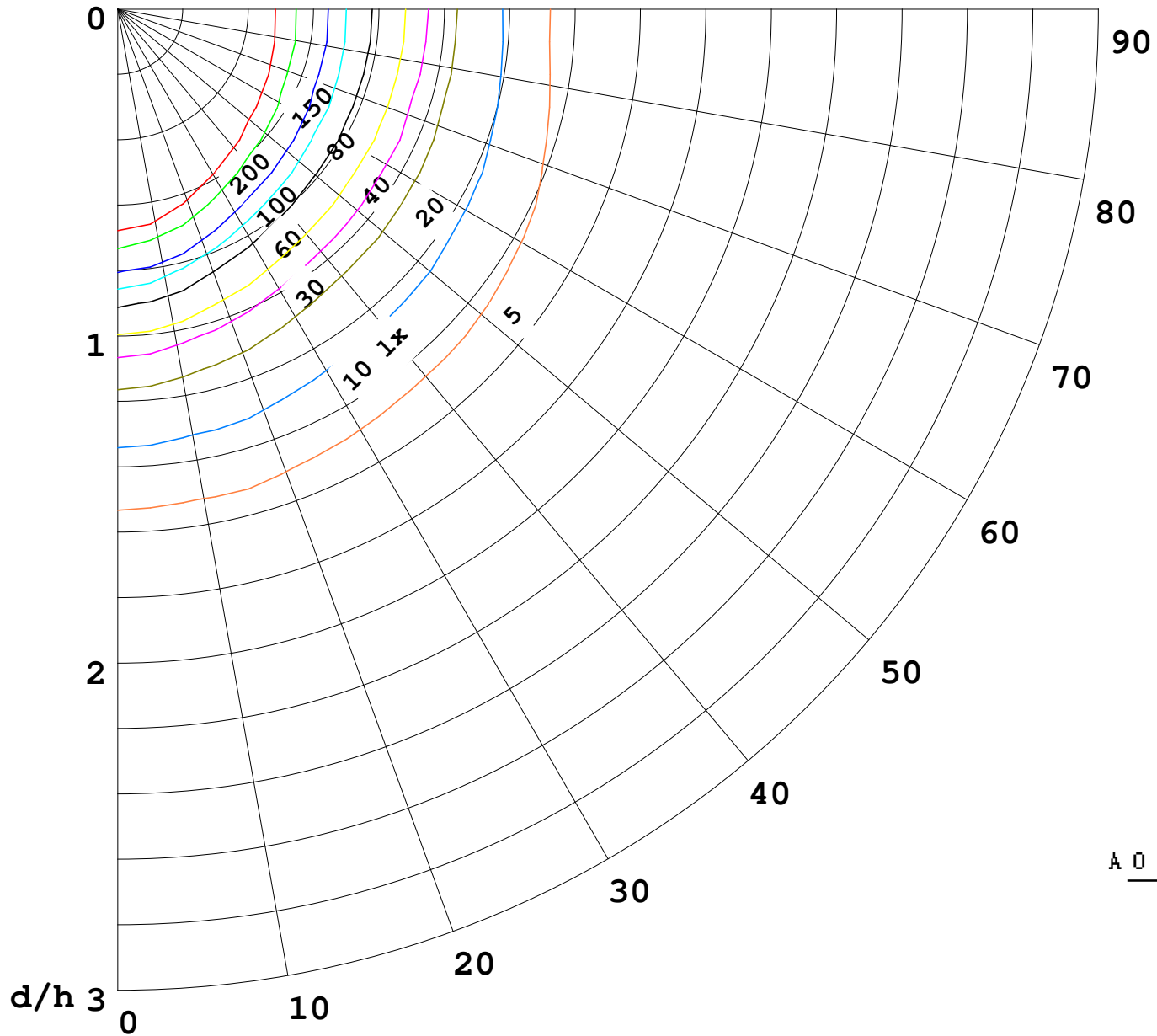
I (cd)





1000 lm

$K = 1$



**F** = 1000 lm  
**K** = 0.7  
**Hcc** = 0.8 m  
**Hfc** = 0.0 m  
**Eave** = 100 lx

—————	<b>Pcc</b>	<b>Pw</b>	<b>Pfc</b>
—————	70	50	30
—————	50	30	20

