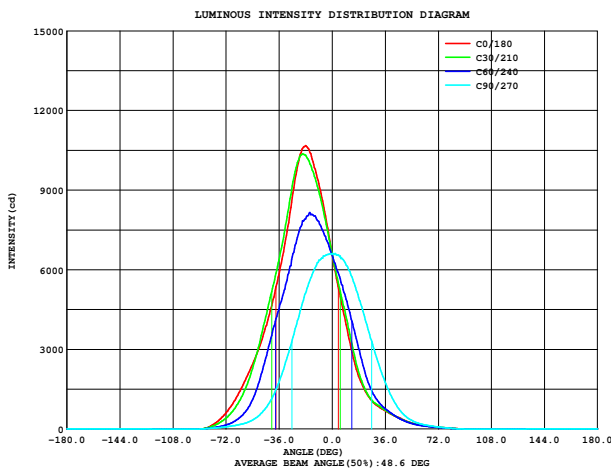


**LUMINAIRE PHOTOMETRIC TEST REPORT**

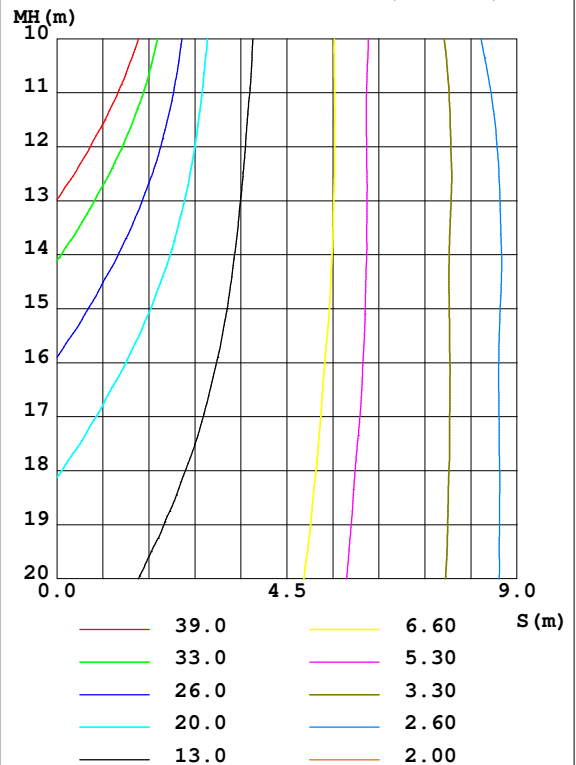
Test:U:119.6V I:1.050A P:124.5W PF:0.9918 Lamp Flux:8992.39x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B5070408	WEIGHT:
SPEC.:	DIM.: L432*W413*H75mm	SERIAL No.:
MFR.: Shenzhen Sinotron-Lighting Co.,Ltd	SUR.:0.012	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 72.23 lm/W			
MODEL	KS-LF140B5070408	I <sub>max</sub> (cd)	10877	S/MH (C0/180)	1.32
NOMINAL POWER (W)	130	LOR (%)	100.0	S/MH (C90/270)	0.84
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	8992.7	η UP, DN (C0-180)	0.0, 48.1
NOMINAL FLUX (lm)	8992.39	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 51.9
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	120	η down (%)	99.9	CIBSE SHR MAX	0.80

**LUMINOUS INTENSITY DISTRIBUTION DIAGRAM**



**C0 PLANE ISOLUX DIAGRAM (UNIT:lx)**



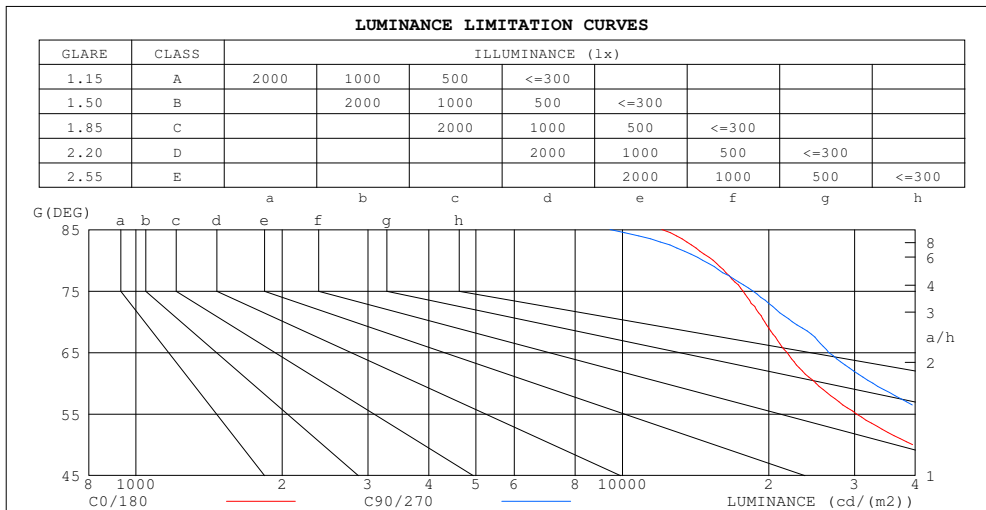
**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.2DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-05**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 58.0%**  
**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	512.4	547.1	649.3	764.6	819.1	764.9	651.5	548.3	0- 5	157.8	157.8	1.75,1.75
10	379.6	432.7	614.7	856.2	946.5	864.6	626.0	437.9	5- 10	467.8	625.5	6.96,6.96
15	254.7	317.0	548.0	898.1	1042	925.7	560.4	322.1	10- 15	745.7	1371	15.2,15.2
20	171.8	207.4	460.9	900.0	1057	926.2	476.2	212.1	15- 20	961.8	2333	25.9,25.9
25	120.4	136.1	363.1	821.5	943.3	853.0	377.6	138.5	20- 25	1081	3414	38,38
30	90.28	99.27	271.3	689.2	763.2	721.6	278.5	99.03	25- 30	1076	4490	49.9,49.9
35	72.04	76.41	191.4	566.4	611.4	590.3	192.4	75.72	30- 35	998.4	5489	61,61
40	56.04	58.34	126.1	449.3	487.8	468.7	124.4	57.48	35- 40	890.7	6379	70.9,70.9
45	43.53	42.27	77.99	325.6	386.2	345.7	79.11	42.54	40- 45	751.7	7131	79.3,79.3
50	30.44	28.72	47.16	218.4	298.8	236.4	49.03	29.65	45- 50	590.3	7721	85.9,85.9
55	20.83	19.66	29.76	139.4	230.8	153.2	30.80	20.57	50- 55	434.6	8156	90.7,90.7
60	14.99	13.96	19.65	84.92	171.0	94.47	20.35	14.75	55- 60	308.8	8465	94.1,94.1
65	11.05	10.10	13.47	50.84	117.7	57.65	14.18	10.68	60- 65	213.5	8678	96.5,96.5
70	8.046	7.157	9.163	29.83	74.99	33.54	9.841	7.738	65- 70	142.6	8821	98.1,98.1
75	5.495	4.799	5.762	16.49	42.24	18.63	6.256	5.230	70- 75	89.28	8910	99.1,99.1
80	3.199	2.655	3.045	7.427	19.26	8.954	3.624	3.060	75- 80	49.69	8960	99.6,99.6
85	1.262	0.9109	0.9868	1.852	4.725	2.790	1.439	1.248	80- 85	21.10	8981	99.9,99.9
90	0	0	0	0	0	0	0	0	85- 90	3.450	8984	99.9,99.9
95	0	0	0	0	0	0	0	0	90- 95	0.0000	8984	99.9,99.9
100	0	0	0	0	0	0	0	0	95-100	0.0004	8984	99.9,99.9
105	0	0	0	0	0	0	0	0	100-105	0.0070	8984	99.9,99.9
110	0.0297	0	0	0	0	0	0	0.0145	105-110	0.0260	8984	99.9,99.9
115	0.0838	0.0181	0	0	0	0	0	0.0549	110-115	0.0772	8984	99.9,99.9
120	0.1436	0.0960	0	0	0	0	0	0.1082	115-120	0.1566	8985	99.9,99.9
125	0.2096	0.1746	0	0	0	0	0.0060	0.1511	120-125	0.2633	8985	99.9,99.9
130	0.3053	0.2823	0	0	0	0	0.0360	0.2465	125-130	0.3830	8985	99.9,99.9
135	0.4671	0.3730	0.0295	0	0.0063	0.0060	0.0954	0.3368	130-135	0.5469	8986	99.9,99.9
140	0.6048	0.4699	0.1005	0	0.0315	0.0242	0.1610	0.4570	135-140	0.7276	8986	99.9,99.9
145	0.7123	0.5233	0.1846	0	0.0434	0.0544	0.2501	0.5833	140-145	0.8959	8987	99.9,99.9
150	0.7997	0.5680	0.2512	0.0301	0.0906	0.1084	0.3458	0.6674	145-150	0.9876	8988	100,100
155	0.9284	0.5780	0.2719	0.1022	0.1548	0.1810	0.4407	0.6758	150-155	1.039	8989	100,100
160	0.9408	0.6141	0.3810	0.1887	0.2338	0.2531	0.4762	0.6784	155-160	1.004	8990	100,100
165	0.9242	0.6563	0.4880	0.2764	0.3238	0.3439	0.6206	0.7222	160-165	0.8752	8991	100,100
170	1.007	0.7346	0.5834	0.3844	0.4497	0.4704	0.7207	0.7575	165-170	0.7455	8992	100,100
175	0.9466	0.7240	0.6640	0.5281	0.6172	0.6035	0.7416	0.7045	170-175	0.4999	8993	100,100
180	0.7007	0.6805	0.6671	0.7038	0.6650	0.7535	0.7564	0.5884	175-180	0.1779	8993	100,100
DEG	LUMINOUS INTENSITY: x10cd								UNIT: lm			



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	12064	9436
80	15354	14612
75	17694	18551
70	19604	22326
65	21797	26554
60	24980	32747
55	30265	43244
50	39462	61144
45	51302	91911

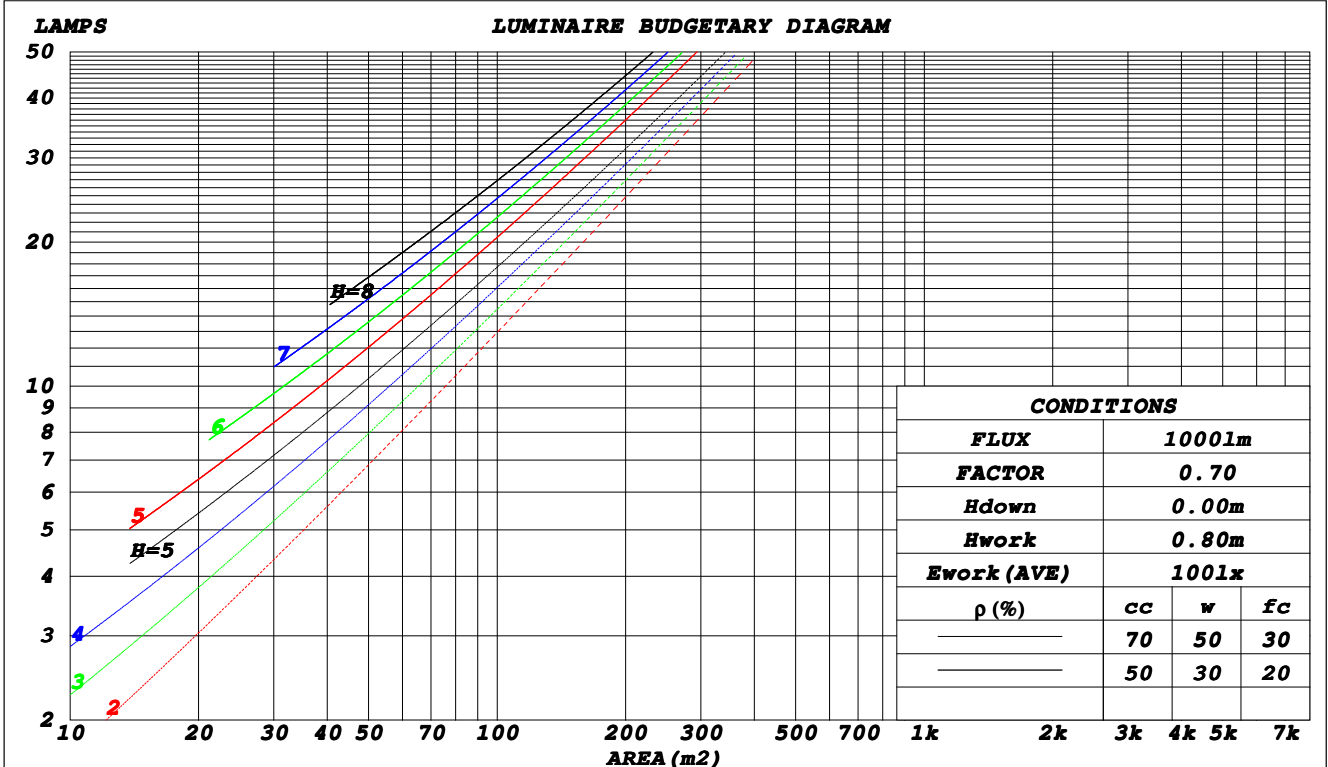
**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.2DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-05**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 58.0%**  
**Test Distance: 26.000m [K=1.000]**  
**Remarks:**

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:119.6V I:1.050A P:124.5W PF:0.9918 Lamp Flux:8992.39x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B5070408	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	1.08	1.05	1.03	1.06	1.03	1.01	1.02	.99	.98	.98	.97	.95	.95	.93	.92	.90
2.0	.98	.93	.89	.97	.92	.88	.93	.89	.86	.90	.87	.84	.87	.85	.82	.81
3.0	.90	.83	.79	.88	.82	.78	.85	.81	.77	.83	.79	.75	.80	.77	.74	.72
4.0	.82	.75	.70	.81	.74	.69	.78	.73	.69	.76	.72	.68	.74	.70	.67	.65
5.0	.75	.68	.63	.74	.68	.63	.72	.66	.62	.70	.65	.61	.69	.64	.61	.59
6.0	.69	.62	.57	.69	.62	.57	.67	.61	.56	.65	.60	.56	.64	.59	.55	.54
7.0	.64	.57	.52	.63	.57	.52	.62	.56	.51	.61	.55	.51	.60	.55	.51	.49
8.0	.60	.53	.48	.59	.52	.48	.58	.52	.47	.57	.51	.47	.56	.51	.47	.45
9.0	.56	.49	.44	.55	.48	.44	.54	.48	.44	.53	.47	.43	.52	.47	.43	.42
10.0	.52	.45	.41	.52	.45	.41	.51	.45	.41	.50	.44	.40	.49	.44	.40	.39



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: GANG YU  
 Test Date: 2015-08-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287  
 Humidity: 58.0%  
 Test Distance: 26.000m [K=1.0000]  
 Remarks:

**WEC AND CCEC**

Test:U:119.6V I:1.050A P:124.5W PF:0.9918 Lamp Flux:8992.39x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B5070408	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	.222	.126	.040	.215	.122	.039	.202	.116	.037	.190	.110	.035	.179	.104	.033	
2.0	.214	.117	.036	.208	.115	.035	.197	.110	.034	.187	.105	.033	.178	.101	.032	
3.0	.204	.108	.032	.199	.106	.032	.189	.102	.031	.180	.099	.030	.172	.095	.029	
4.0	.193	.100	.029	.188	.098	.029	.180	.095	.028	.172	.092	.028	.165	.090	.027	
5.0	.182	.093	.027	.178	.091	.027	.171	.089	.026	.164	.086	.026	.157	.084	.025	
6.0	.172	.086	.025	.169	.085	.025	.162	.083	.024	.156	.081	.024	.150	.079	.023	
7.0	.163	.080	.023	.160	.080	.023	.154	.078	.022	.148	.076	.022	.143	.074	.022	
8.0	.154	.075	.021	.152	.075	.021	.146	.073	.021	.141	.072	.021	.137	.070	.020	
9.0	.147	.071	.020	.144	.070	.020	.139	.069	.020	.135	.068	.019	.131	.066	.019	
10.0	.139	.067	.019	.137	.066	.018	.133	.065	.018	.129	.064	.018	.125	.063	.018	

$\rho_{cc}$	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	.163	.163	.163	.112	.112	.112	.064	.064	.064	.020	.020	.020	
2.0	.163	.133	.108	.139	.114	.093	.095	.079	.065	.055	.046	.038	.018	.015	.012	
3.0	.152	.115	.084	.131	.099	.073	.090	.069	.051	.052	.040	.030	.017	.013	.010	
4.0	.144	.100	.067	.123	.087	.059	.085	.060	.041	.049	.035	.024	.016	.012	.008	
5.0	.136	.089	.055	.117	.077	.048	.080	.054	.034	.047	.032	.020	.015	.010	.007	
6.0	.129	.081	.046	.111	.070	.040	.076	.049	.028	.044	.029	.017	.014	.009	.006	
7.0	.123	.073	.039	.105	.064	.034	.073	.045	.024	.042	.026	.014	.014	.009	.005	
8.0	.117	.067	.033	.101	.058	.029	.070	.041	.021	.040	.024	.012	.013	.008	.004	
9.0	.111	.062	.029	.096	.054	.025	.067	.038	.018	.039	.022	.011	.013	.007	.004	
10.0	.106	.058	.026	.092	.050	.023	.064	.035	.016	.037	.021	.010	.012	.007	.003	

**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.2DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-05**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 58.0%**  
**Test Distance: 26.000m [K=1.0000]**  
**Remarks:**

**UGR(Unified Glare Rating) Table**

Test:U:119.6V I:1.050A P:124.5W PF:0.9918 Lamp Flux:8992.39x1 lm										
NAME: LED FLOOD LIGHT					TYPE:KS-LF140B5070408			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>18.7</b>	<b>19.8</b>	<b>18.9</b>	<b>20.0</b>	<b>20.2</b>	<b>19.9</b>	<b>21.1</b>	<b>20.1</b>	<b>21.3</b>	<b>21.4</b>
<b>3H</b>	<b>19.3</b>	<b>20.4</b>	<b>19.6</b>	<b>20.6</b>	<b>20.8</b>	<b>20.3</b>	<b>21.4</b>	<b>20.6</b>	<b>21.6</b>	<b>21.9</b>
<b>4H</b>	<b>19.6</b>	<b>20.6</b>	<b>19.8</b>	<b>20.8</b>	<b>21.1</b>	<b>20.5</b>	<b>21.5</b>	<b>20.8</b>	<b>21.8</b>	<b>22.0</b>
<b>6H</b>	<b>19.7</b>	<b>20.7</b>	<b>20.1</b>	<b>21.0</b>	<b>21.2</b>	<b>20.6</b>	<b>21.6</b>	<b>20.9</b>	<b>21.8</b>	<b>22.1</b>
<b>8H</b>	<b>19.8</b>	<b>20.7</b>	<b>20.1</b>	<b>21.0</b>	<b>21.3</b>	<b>20.6</b>	<b>21.6</b>	<b>20.9</b>	<b>21.8</b>	<b>22.1</b>
<b>12H</b>	<b>19.8</b>	<b>20.7</b>	<b>20.2</b>	<b>21.0</b>	<b>21.3</b>	<b>20.6</b>	<b>21.5</b>	<b>20.9</b>	<b>21.8</b>	<b>22.1</b>
<b>4H 2H</b>	<b>18.8</b>	<b>19.8</b>	<b>19.1</b>	<b>20.1</b>	<b>20.3</b>	<b>19.9</b>	<b>20.9</b>	<b>20.2</b>	<b>21.2</b>	<b>21.4</b>
<b>3H</b>	<b>19.6</b>	<b>20.5</b>	<b>19.9</b>	<b>20.8</b>	<b>21.1</b>	<b>20.5</b>	<b>21.4</b>	<b>20.8</b>	<b>21.6</b>	<b>21.9</b>
<b>4H</b>	<b>20.0</b>	<b>20.8</b>	<b>20.3</b>	<b>21.1</b>	<b>21.4</b>	<b>20.7</b>	<b>21.5</b>	<b>21.1</b>	<b>21.8</b>	<b>22.2</b>
<b>6H</b>	<b>20.3</b>	<b>21.0</b>	<b>20.7</b>	<b>21.3</b>	<b>21.7</b>	<b>20.9</b>	<b>21.6</b>	<b>21.3</b>	<b>22.0</b>	<b>22.3</b>
<b>8H</b>	<b>20.4</b>	<b>21.0</b>	<b>20.8</b>	<b>21.4</b>	<b>21.8</b>	<b>21.0</b>	<b>21.6</b>	<b>21.4</b>	<b>22.0</b>	<b>22.3</b>
<b>12H</b>	<b>20.4</b>	<b>21.0</b>	<b>20.9</b>	<b>21.4</b>	<b>21.8</b>	<b>21.0</b>	<b>21.6</b>	<b>21.4</b>	<b>21.9</b>	<b>22.3</b>
<b>8H 4H</b>	<b>20.0</b>	<b>20.7</b>	<b>20.5</b>	<b>21.1</b>	<b>21.4</b>	<b>20.7</b>	<b>21.4</b>	<b>21.1</b>	<b>21.8</b>	<b>22.1</b>
<b>6H</b>	<b>20.4</b>	<b>21.0</b>	<b>20.9</b>	<b>21.4</b>	<b>21.8</b>	<b>21.0</b>	<b>21.5</b>	<b>21.4</b>	<b>21.9</b>	<b>22.4</b>
<b>8H</b>	<b>20.6</b>	<b>21.1</b>	<b>21.0</b>	<b>21.5</b>	<b>21.9</b>	<b>21.1</b>	<b>21.5</b>	<b>21.5</b>	<b>22.0</b>	<b>22.4</b>
<b>12H</b>	<b>20.7</b>	<b>21.1</b>	<b>21.2</b>	<b>21.5</b>	<b>22.0</b>	<b>21.1</b>	<b>21.5</b>	<b>21.6</b>	<b>22.0</b>	<b>22.4</b>
<b>12H 4H</b>	<b>20.0</b>	<b>20.6</b>	<b>20.4</b>	<b>21.0</b>	<b>21.4</b>	<b>20.7</b>	<b>21.3</b>	<b>21.1</b>	<b>21.7</b>	<b>22.1</b>
<b>6H</b>	<b>20.4</b>	<b>20.9</b>	<b>20.9</b>	<b>21.3</b>	<b>21.8</b>	<b>21.0</b>	<b>21.5</b>	<b>21.4</b>	<b>21.9</b>	<b>22.3</b>
<b>8H</b>	<b>20.6</b>	<b>21.0</b>	<b>21.1</b>	<b>21.5</b>	<b>21.9</b>	<b>21.1</b>	<b>21.5</b>	<b>21.6</b>	<b>21.9</b>	<b>22.4</b>
<b>Variations with the observer position at spacings:</b>										
<b>S = 1.0H</b>	<b>+ 0.7 / - 0.9</b>					<b>+ 2.9 / - 1.6</b>				
<b>1.5H</b>	<b>+ 0.7 / - 0.6</b>					<b>+ 4.2 / - 2.0</b>				
<b>2.0H</b>	<b>+ 1.5 / - 0.9</b>					<b>+ 4.3 / - 1.9</b>				

CIE Pub.117 Corrected 8992 lm Total Lamp Luminous Flux. (8log(F/F0) = 7.6)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: GANG YU  
 Test Date: 2015-08-05

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287  
 Humidity: 58.0%  
 Test Distance: 26.000m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:119.6V I:1.050A P:124.5W PF:0.9918 Lamp Flux:8992.39x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B5070408	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) $k(RI) \times RCR = 5$									
$k = 0.60$	73	64	59	73	64	59	72	64	59	54
0.80	82	74	69	82	74	68	80	73	68	63
1.00	89	81	76	88	81	76	86	81	75	70
1.25	95	88	83	94	87	82	92	86	81	76
1.50	99	92	87	97	91	87	95	90	86	80
2.00	103	98	93	102	97	92	99	94	91	85
2.50	106	101	97	104	99	96	101	97	94	87
3.00	108	104	100	106	102	99	103	99	96	89
4.00	111	107	104	109	105	103	105	102	100	92
5.00	113	109	107	110	107	105	106	104	102	94
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: 25.2DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-05**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 58.0%**  
**Test Distance: 26.000m [K=1.0000]**  
**Remarks:**

**ISOCANDELA DIAGRAM**

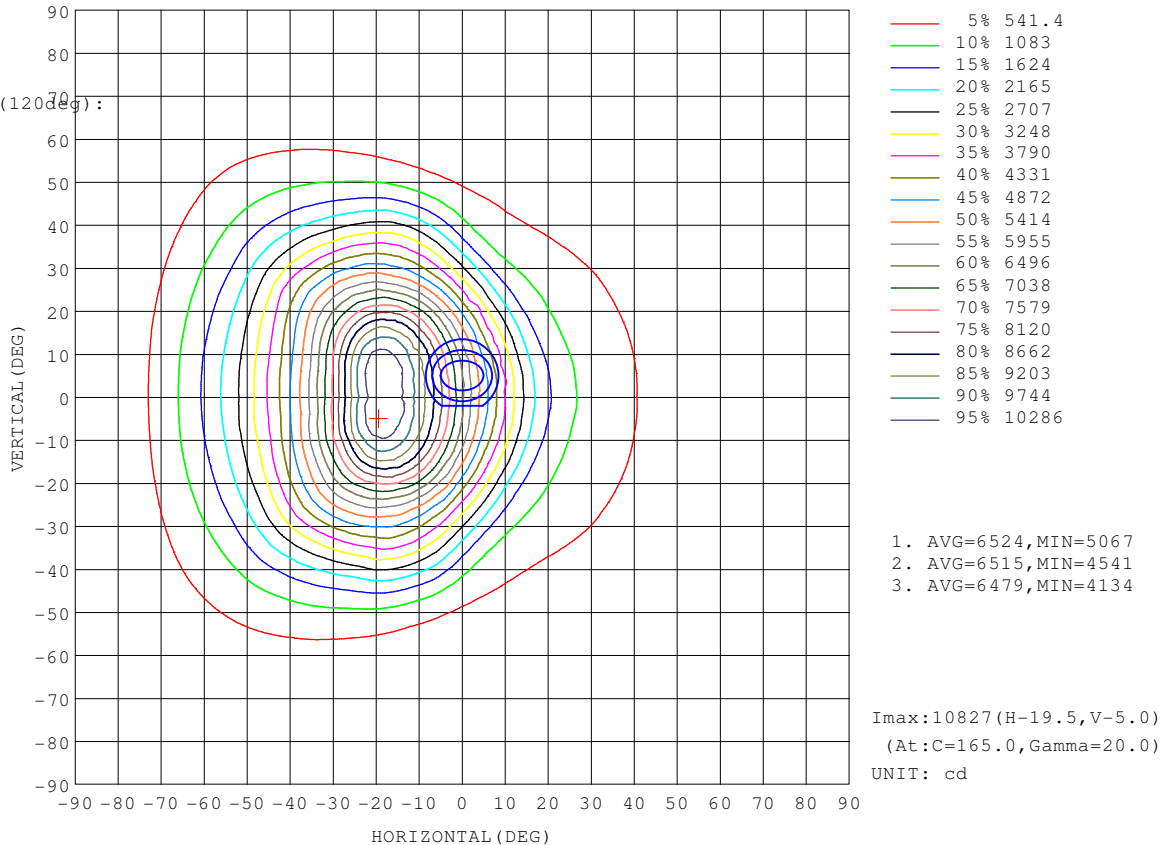
Test:U:119.6V I:1.050A P:124.5W PF:0.9918 Lamp Flux:8992.39x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B5070408	WEIGHT:
SPEC.:	DIM.: L432*W413*H75mm	SERIAL No.:
MFR.: Shenzhen Sinotron-Lighting Co.,Ltd	SUR.:0.012	Shielding Angle:

Conical surface Flux(90deg):

7131 lm  
 %lum = 79.3%  
 %lamp = 79.3%

Conical surface Flux(120deg):

8464.7 lm  
 %lum = 94.1%  
 %lamp = 94.1%



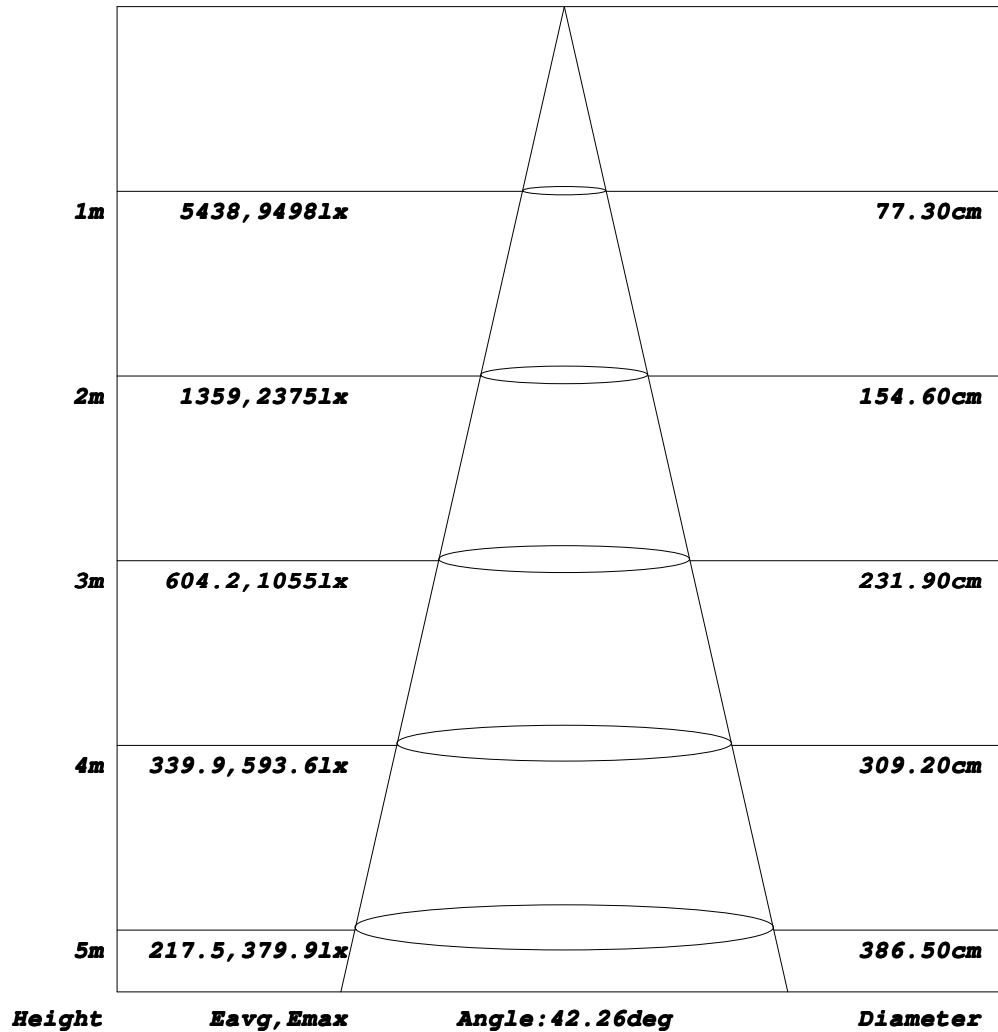
**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.2DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-05**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 58.0%**  
**Test Distance: 26.000m [K=1.0000]**  
**Remarks:**

**AAI Figure**

Test:U:119.6V I:1.050A P:124.5W PF:0.9918 Lamp Flux:8992.39x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B5070408	WEIGHT:
SPEC.:	DIM.: L432*W413*H75mm	SERIAL No.:
MFR.: Shenzhen Sinotron-Lighting Co.,Ltd	SUR.:0.012	Shielding Angle:

**Flux out:2651 lm**



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

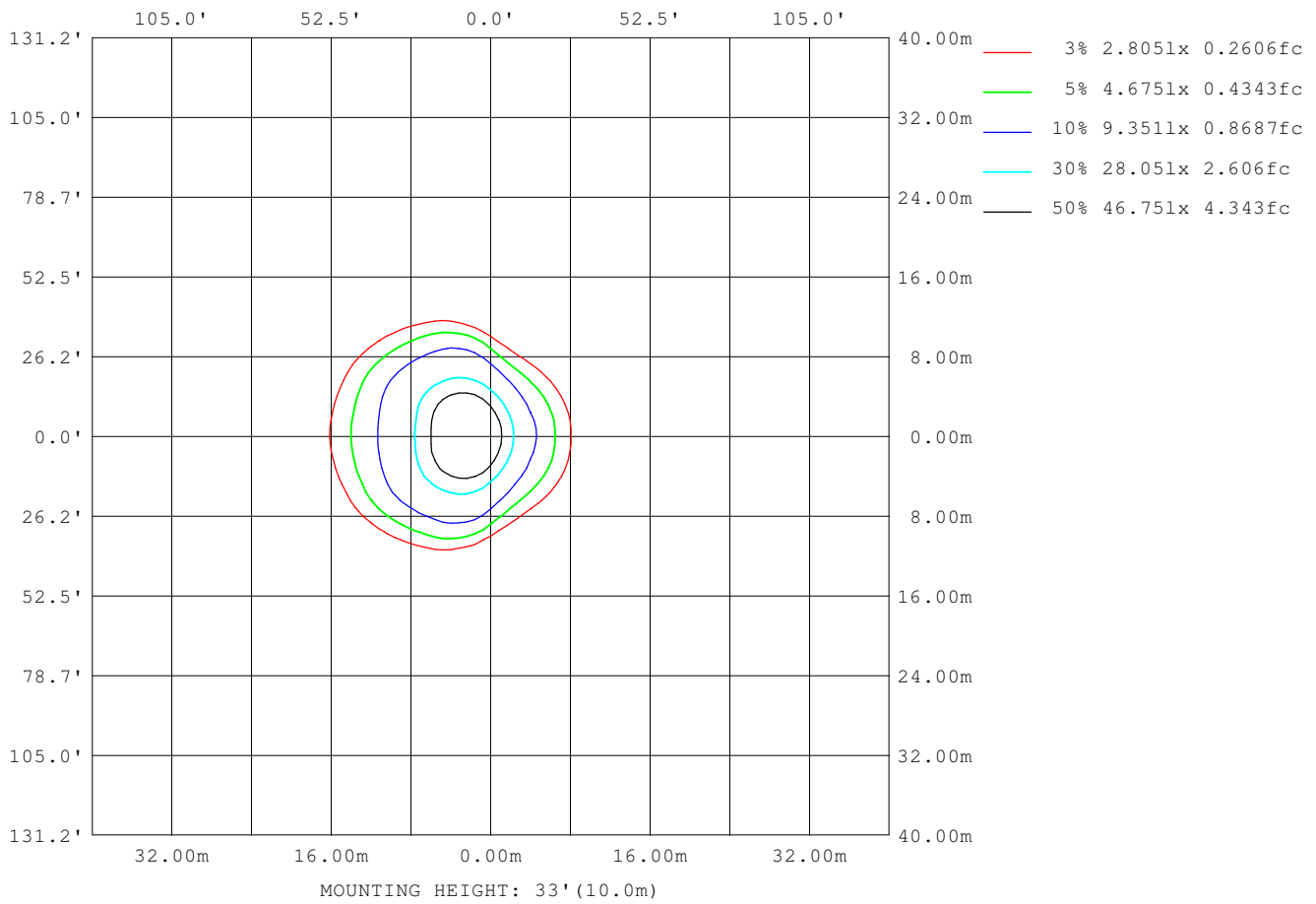
**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.2DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-05**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 58.0%**  
**Test Distance: 26.000m [K=1.0000]**  
**Remarks:**



**ISOLUX DIAGRAM**

Test:U:119.6V I:1.050A P:124.5W PF:0.9918 Lamp Flux:8992.39x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B5070408	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: 25.2DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-05**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 58.0%**  
**Test Distance: 26.000m [K=1.0000]**  
**Remarks:**

**LED Avg.L Report**

Test:U:119.6V I:1.050A P:124.5W PF:0.9918 Lamp Flux:8992.39x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B5070408	WEIGHT:
SPEC.:	DIM.: L432*W413*H75mm	SERIAL No.:
MFR.: Shenzhen Sinotron-Lighting Co.,Ltd	SUR.:0.012	Shielding Angle:

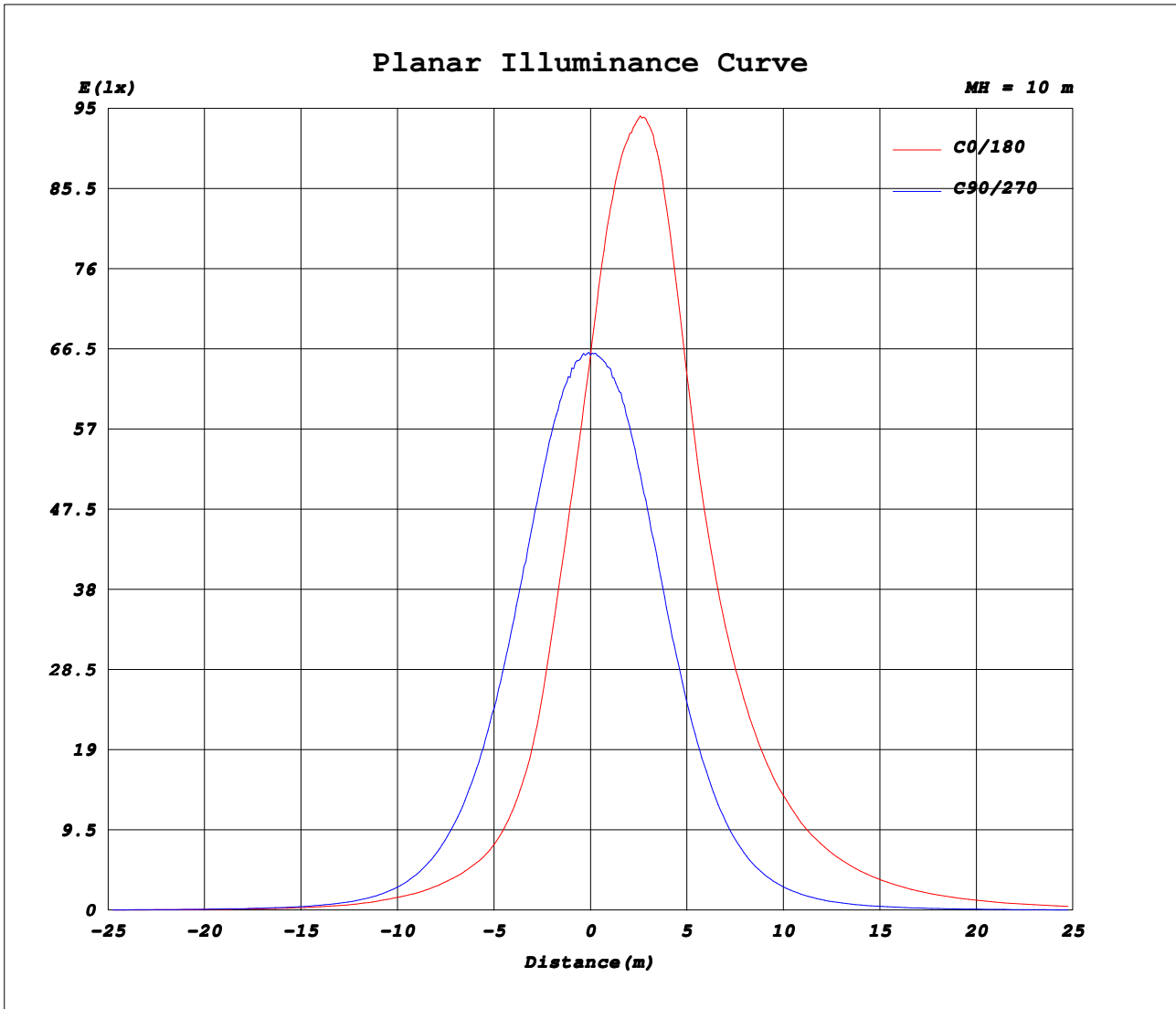
AvgL	cd/m2
L_0~180 (65) av	126920
L_0~180 (75) av	76847
L_0~180 (85) av	28622
L_90~270 (65) av	27254
L_90~270 (75) av	19347
L_90~270 (85) av	11596
L_45 (65) av	63725
L_45 (75) av	36344
L_45 (85) av	16258

Standard: GB/T 29293-2012

**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.2DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-05**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 58.0%**  
**Test Distance: 26.000m [K=1.0000]**  
**Remarks:**

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: GANG YU  
 Test Date: 2015-08-05

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287  
 Humidity: 58.0%  
 Test Distance: 26.000m [K=1.0000]  
 Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:119.6V I:1.050A P:124.5W PF:0.9918 Lamp Flux:8992.39x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B5070408	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	657	660	656	660	657	658	660	653	659	657	658	656	655	655	656	659	663	656	658
5	512	515	514	518	519	525	529	531	541	547	557	559	573	587	595	608	621	637	649
10	380	381	383	388	391	400	409	414	426	433	448	465	480	495	517	537	563	590	615
15	255	257	256	259	264	273	281	288	303	317	335	353	372	397	420	450	479	515	548
20	172	171	170	171	173	177	182	188	195	207	223	242	261	284	314	349	383	421	461
25	120	120	119	118	119	121	123	126	131	136	145	155	168	190	215	246	283	322	363
30	90.3	90.8	90.0	90.5	91.6	92.5	93.7	94.3	96.5	99.3	103	107	113	124	139	160	191	230	271
35	72.0	72.4	72.3	73.4	74.4	74.3	74.6	74.9	75.8	76.4	78.3	79.5	81.5	86.3	92.7	104	122	151	191
40	56.0	56.5	56.6	56.7	57.1	57.4	57.6	57.5	58.1	58.3	58.7	58.8	59.5	62.0	66.2	71.9	81.2	97.7	126
45	43.5	43.4	42.5	42.3	42.3	42.2	42.3	42.5	42.6	42.3	42.3	41.2	41.7	43.3	46.3	50.4	56.2	64.0	78.0
50	30.4	30.5	30.3	30.4	30.0	29.9	29.6	29.3	29.1	28.7	28.6	28.1	28.3	29.2	30.5	32.9	36.3	41.0	47.2
55	20.8	20.8	20.7	20.9	20.9	20.8	20.5	20.2	20.0	19.7	19.6	19.3	19.3	19.9	20.7	21.7	23.5	26.4	29.8
60	15.0	15.0	14.8	14.9	14.9	14.8	14.5	14.3	14.2	14.0	13.8	13.7	13.6	13.9	14.4	15.1	16.3	17.8	19.6
65	11.1	11.1	10.9	11.0	10.9	10.7	10.6	10.4	10.3	10.1	10.0	9.80	9.77	9.97	10.3	10.8	11.8	12.7	13.5
70	8.05	8.13	8.02	7.92	7.80	7.67	7.56	7.40	7.29	7.16	7.07	6.92	6.80	6.99	7.30	7.65	8.15	8.67	9.16
75	5.50	5.54	5.47	5.39	5.28	5.13	5.08	4.98	4.93	4.80	4.74	4.59	4.52	4.60	4.78	4.98	5.17	5.47	5.76
80	3.20	3.20	3.16	3.10	3.01	2.95	2.88	2.80	2.72	2.65	2.59	2.52	2.48	2.53	2.65	2.76	2.84	2.95	3.04
85	1.26	1.25	1.21	1.17	1.11	1.05	1.03	0.99	0.96	0.91	0.88	0.85	0.84	0.86	0.90	0.93	0.96	0.97	0.99
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	0.03	0.03	0.02	0.01	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	0.00
115	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.05	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.14	0.14	0.15	0.13	0.13	0.12	0.13	0.12	0.12	0.10	0.08	0.06	0.02	0.01	0.00	0.00	0.00	0.00	0.00
125	0.21	0.20	0.19	0.18	0.17	0.16	0.19	0.19	0.18	0.17	0.15	0.14	0.10	0.07	0.04	0.01	0.00	0.00	0.00
130	0.31	0.29	0.26	0.29	0.32	0.27	0.25	0.29	0.29	0.28	0.27	0.23	0.20	0.17	0.11	0.08	0.04	0.01	0.00
135	0.47	0.46	0.37	0.42	0.46	0.43	0.30	0.33	0.36	0.37	0.37	0.35	0.29	0.23	0.18	0.13	0.10	0.08	0.03
140	0.60	0.60	0.50	0.55	0.62	0.63	0.51	0.37	0.45	0.47	0.46	0.46	0.40	0.35	0.28	0.23	0.18	0.13	0.10
145	0.71	0.70	0.61	0.67	0.75	0.78	0.74	0.55	0.49	0.52	0.55	0.53	0.49	0.46	0.38	0.31	0.26	0.20	0.18
150	0.80	0.78	0.69	0.78	0.80	0.82	0.79	0.71	0.59	0.57	0.59	0.60	0.56	0.52	0.46	0.39	0.34	0.29	0.25
155	0.93	0.95	0.85	0.84	0.85	0.87	0.87	0.84	0.68	0.58	0.63	0.66	0.64	0.60	0.54	0.47	0.41	0.36	0.27
160	0.94	0.95	0.86	0.83	0.88	0.89	0.88	0.86	0.71	0.61	0.64	0.66	0.66	0.65	0.59	0.55	0.46	0.40	0.38
165	0.92	0.94	0.89	0.84	0.89	0.90	0.91	0.88	0.78	0.66	0.64	0.66	0.69	0.67	0.64	0.58	0.49	0.52	0.49
170	1.01	1.03	1.04	0.96	0.96	1.00	0.98	0.96	0.88	0.73	0.66	0.73	0.75	0.76	0.70	0.65	0.65	0.63	0.58
175	0.95	0.96	0.95	0.89	0.92	0.96	0.98	0.94	0.86	0.72	0.66	0.74	0.76	0.76	0.75	0.75	0.75	0.74	0.66
180	0.70	0.72	0.69	0.70	0.71	0.76	0.78	0.79	0.76	0.68	0.68	0.70	0.73	0.76	0.76	0.78	0.77	0.76	0.67

**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.2DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-05**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 58.0%**  
**Test Distance: 26.000m [K=1.0000]**  
**Remarks:**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:119.6V I:1.050A P:124.5W PF:0.9918 Lamp Flux:8992.39x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B5070408	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	661	668	656	657	657	660	661	658	659	662	662	667	663	665	664	667	666	657	660
5	664	687	687	702	716	734	746	759	765	779	791	801	806	814	821	826	823	819	822
10	641	677	692	725	752	785	811	837	856	879	898	911	922	940	950	944	956	946	955
15	583	634	662	707	749	795	834	875	898	937	968	988	1007	1021	1050	1053	1054	1042	1050
20	505	559	599	653	702	760	807	857	900	941	981	1016	1036	1059	1088	1077	1073	1057	1072
25	411	468	508	561	609	667	715	774	821	863	908	943	960	976	989	974	961	943	957
30	320	377	419	468	509	561	597	647	689	730	765	785	796	797	797	784	773	763	772
35	239	292	336	385	425	464	494	531	566	599	628	644	644	643	642	619	614	611	615
40	164	210	248	290	330	364	384	416	449	479	505	521	518	513	510	495	489	488	488
45	100	131	159	192	226	252	270	297	326	355	383	404	407	401	399	385	382	386	389
50	57.3	72.5	90.5	113	136	154	172	194	218	246	271	292	300	299	299	300	299	299	302
55	34.2	41.0	49.7	62.8	76.1	89.1	103	121	139	159	179	198	208	214	219	225	231	231	231
60	21.9	25.2	29.4	36.1	43.7	52.3	61.8	73.1	84.9	97.9	112	126	136	142	153	160	167	171	170
65	14.6	16.4	18.2	21.2	25.5	30.8	36.7	43.9	50.8	59.2	67.9	76.6	85.0	92.2	101	109	115	118	117
70	9.76	10.7	11.4	12.8	15.0	18.0	21.4	25.7	29.8	35.0	40.2	45.9	51.4	57.0	63.7	69.3	72.8	75.0	73.6
75	6.05	6.56	6.93	7.49	8.50	10.1	11.9	14.1	16.5	19.4	22.4	25.4	28.2	31.2	34.7	37.9	40.3	42.2	41.3
80	3.19	3.40	3.62	3.81	4.19	4.78	5.48	6.45	7.43	8.59	9.87	11.1	12.5	13.8	15.4	16.9	18.3	19.3	19.1
85	1.01	1.04	1.05	1.08	1.13	1.28	1.46	1.65	1.85	2.09	2.35	2.67	2.95	3.25	3.65	4.09	4.44	4.73	4.73
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	0.00	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
135	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	0.01	0.01
140	0.08	0.04	0.02	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	0.03
145	0.13	0.09	0.07	0.05	0.03	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.04	0.05
150	0.18	0.17	0.15	0.11	0.08	0.09	0.06	0.03	0.03	0.04	0.08	0.08	0.08	0.04	0.04	0.02	0.01	0.09	0.08
155	0.27	0.27	0.23	0.19	0.19	0.18	0.12	0.09	0.10	0.13	0.17	0.17	0.11	0.13	0.13	0.11	0.08	0.15	0.15
160	0.36	0.35	0.29	0.29	0.28	0.24	0.18	0.16	0.19	0.22	0.26	0.23	0.19	0.20	0.21	0.18	0.17	0.23	0.23
165	0.45	0.42	0.41	0.40	0.38	0.32	0.25	0.24	0.28	0.35	0.37	0.29	0.31	0.30	0.32	0.26	0.27	0.32	0.33
170	0.56	0.53	0.55	0.51	0.49	0.40	0.33	0.36	0.38	0.47	0.47	0.43	0.42	0.42	0.45	0.39	0.39	0.45	0.46
175	0.66	0.71	0.67	0.65	0.60	0.53	0.46	0.47	0.53	0.59	0.64	0.64	0.62	0.57	0.56	0.51	0.52	0.62	0.61
180	0.77	0.75	0.78	0.77	0.71	0.70	0.62	0.59	0.70	0.70	0.90	0.88	0.82	0.81	0.93	0.70	0.74	0.67	0.73

**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.2DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-05**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 58.0%**  
**Test Distance: 26.000m [K=1.0000]**  
**Remarks:**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:119.6V I:1.050A P:124.5W PF:0.9918 Lamp Flux:8992.39x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B5070408	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	656	660	657	658	660	653	659	657	658	656	655	655	656	659	663	656	658	661	668
5	818	814	811	806	797	785	781	765	767	748	729	720	702	693	679	667	652	636	634
10	948	941	934	928	915	897	882	865	839	814	786	762	731	705	676	649	626	594	578
15	1042	1039	1029	1022	999	976	957	926	897	849	816	768	724	681	639	597	560	526	496
20	1073	1070	1068	1061	1036	1007	975	926	882	825	784	731	673	618	573	525	476	432	400
25	966	982	991	993	970	946	913	853	806	750	693	637	584	530	479	428	378	332	293
30	780	802	815	825	817	797	770	722	681	626	581	531	480	429	379	327	278	234	195
35	619	639	657	665	666	650	626	590	558	517	473	434	392	345	294	240	192	150	121
40	494	506	523	537	540	524	501	469	435	407	376	341	303	257	211	165	124	95.5	80.5
45	390	401	413	424	422	397	376	346	318	292	267	242	207	170	135	103	79.1	64.5	56.9
50	304	309	313	317	307	286	263	236	213	190	170	149	123	97.5	76.7	60.2	49.0	41.9	37.6
55	228	227	225	222	209	192	174	153	134	115	98.3	82.9	67.0	53.3	42.7	35.7	30.8	27.0	24.6
60	165	160	151	146	137	123	110	94.5	82.4	68.5	57.2	46.9	37.6	30.8	26.2	22.9	20.4	18.1	16.9
65	112	106	98.1	93.0	86.2	77.2	67.0	57.6	49.6	40.7	33.6	27.2	22.4	19.1	17.1	15.4	14.2	13.1	12.2
70	69.0	63.8	59.4	55.9	51.3	45.2	39.1	33.5	28.4	23.4	19.1	15.7	13.6	12.3	11.3	10.5	9.84	9.21	8.69
75	38.7	36.2	33.8	31.7	28.5	25.0	21.9	18.6	15.8	13.0	10.7	9.13	8.17	7.57	7.03	6.60	6.26	6.02	5.82
80	17.9	16.6	15.6	14.5	13.2	11.8	10.3	8.95	7.62	6.43	5.38	4.74	4.38	4.15	3.94	3.75	3.62	3.49	3.41
85	4.59	4.42	4.25	4.03	3.77	3.44	3.17	2.79	2.45	2.11	1.89	1.71	1.63	1.57	1.52	1.46	1.44	1.40	1.39
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	0.01
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	0.01	0.02	0.04
130	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	0.01	0.02	0.03	0.04	0.07	0.10
135	0.01	0.01	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.01	0.02	0.04	0.05	0.07	0.10	0.13	0.16
140	0.03	0.03	0.04	0.04	0.03	0.02	0.02	0.02	0.04	0.04	0.04	0.05	0.06	0.08	0.11	0.14	0.16	0.20	0.24
145	0.05	0.06	0.05	0.07	0.05	0.05	0.05	0.05	0.05	0.08	0.08	0.10	0.11	0.14	0.17	0.21	0.25	0.28	0.33
150	0.08	0.10	0.10	0.11	0.11	0.10	0.10	0.11	0.12	0.13	0.15	0.19	0.20	0.21	0.25	0.30	0.35	0.38	0.42
155	0.16	0.16	0.16	0.16	0.19	0.18	0.18	0.18	0.20	0.23	0.24	0.26	0.31	0.33	0.36	0.36	0.44	0.49	0.53
160	0.23	0.24	0.25	0.26	0.27	0.27	0.26	0.25	0.28	0.32	0.33	0.36	0.38	0.43	0.46	0.49	0.48	0.53	0.61
165	0.32	0.34	0.33	0.35	0.36	0.37	0.36	0.34	0.36	0.39	0.43	0.46	0.48	0.50	0.57	0.60	0.62	0.62	0.68
170	0.45	0.46	0.46	0.45	0.47	0.50	0.50	0.47	0.47	0.46	0.51	0.56	0.61	0.61	0.63	0.69	0.72	0.72	0.75
175	0.62	0.60	0.62	0.62	0.63	0.67	0.66	0.60	0.58	0.58	0.60	0.66	0.71	0.74	0.75	0.74	0.74	0.77	0.79
180	0.74	0.70	0.70	0.74	0.78	0.80	0.81	0.75	0.68	0.67	0.70	0.73	0.76	0.76	0.78	0.77	0.76	0.73	0.77

**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.2DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-05**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 58.0%**  
**Test Distance: 26.000m [K=1.0000]**  
**Remarks:**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:119.6V I:1.050A P:124.5W PF:0.9918 Lamp Flux:8992.39x1 lm		
NAME: LED FLOOD LIGHT	TYPE:KS-LF140B5070408	WEIGHT:
SPEC.:	DIM.: L432*W413*H75mm	SERIAL No.:
MFR.: Shenzhen Sinotron-Lighting Co.,Ltd	SUR.:0.012	Shielding Angle:

Table--4

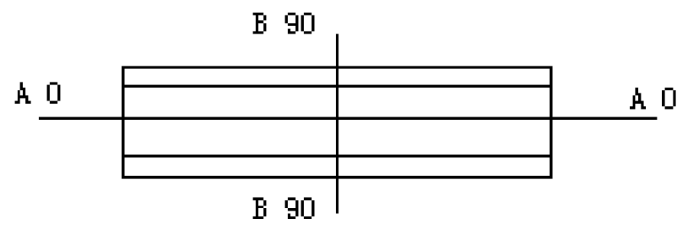
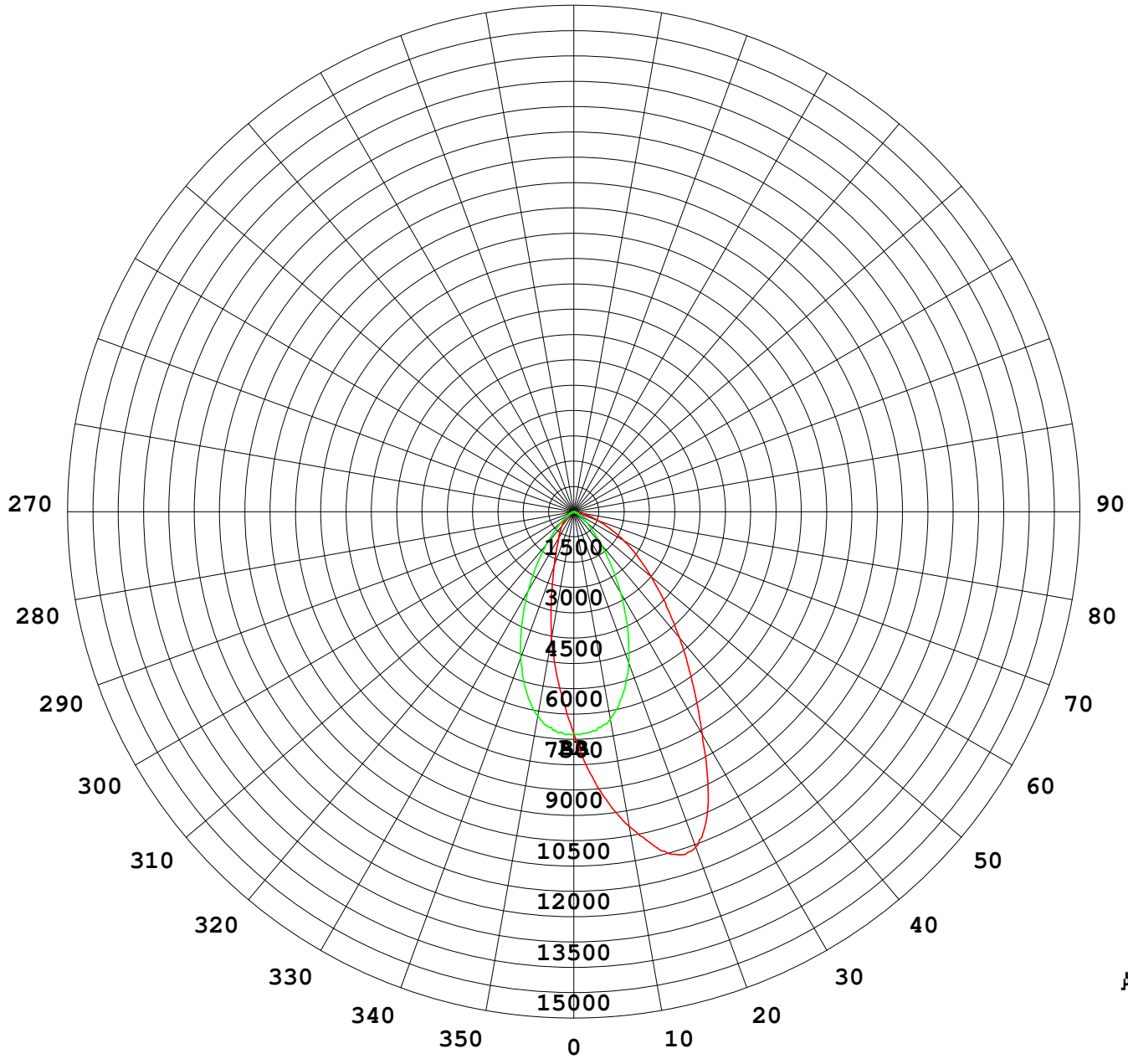
UNIT: x10cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	656	657	657	660	661	658	659	662	662	667	663	665	664	667	666				
5	610	600	588	581	567	563	548	543	536	533	528	521	520	516	514				
10	544	525	505	490	471	458	438	431	420	415	404	412	394	378	375				
15	458	431	405	376	361	343	322	306	293	285	276	270	263	256	255				
20	358	324	296	271	247	230	212	199	190	183	180	176	174	172	172				
25	250	220	194	174	158	149	138	133	128	125	123	121	121	121	121				
30	162	141	126	117	109	104	99.0	96.6	94.3	93.3	92.5	91.8	91.8	91.2	90.6				
35	102	92.5	86.2	82.5	78.7	77.6	75.7	75.3	74.7	73.6	73.5	73.3	73.6	73.0	72.5				
40	69.9	65.5	62.0	60.3	58.7	58.2	57.5	57.8	57.5	56.8	56.5	56.8	56.8	56.5	56.4				
45	50.5	46.9	44.3	43.2	42.4	42.5	42.5	42.5	42.4	42.2	41.8	42.3	42.7	43.1	43.5				
50	33.9	31.8	30.5	29.9	29.5	29.6	29.7	29.8	29.8	30.0	30.2	30.5	31.2	31.0	30.5				
55	22.4	21.6	20.9	20.5	20.3	20.5	20.6	20.8	20.8	21.2	21.3	21.7	21.4	21.0	20.8				
60	15.6	15.0	14.6	14.6	14.5	14.7	14.8	14.9	14.9	15.1	15.2	15.2	15.2	15.1	15.0				
65	11.2	10.8	10.5	10.5	10.5	10.7	10.7	10.8	10.9	10.9	11.0	11.1	11.2	11.1	11.1				
70	8.13	7.84	7.57	7.57	7.60	7.71	7.74	7.80	7.88	7.87	8.00	8.10	8.22	8.24	8.18				
75	5.52	5.31	5.11	5.10	5.10	5.19	5.23	5.30	5.40	5.39	5.43	5.54	5.66	5.65	5.64				
80	3.22	3.12	3.00	2.98	2.99	3.05	3.06	3.11	3.16	3.19	3.21	3.25	3.36	3.34	3.32				
85	1.32	1.26	1.23	1.22	1.22	1.23	1.25	1.27	1.30	1.31	1.32	1.33	1.37	1.34	1.34				
90	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	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	0.01	0.01	0.02				
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.02	0.04	0.05				
110	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.04	0.05	0.06	0.07	0.08	0.08	0.08				
115	0.00	0.00	0.01	0.01	0.03	0.04	0.05	0.07	0.07	0.10	0.10	0.11	0.12	0.13	0.14				
120	0.01	0.04	0.05	0.05	0.07	0.09	0.11	0.12	0.13	0.15	0.15	0.16	0.17	0.17	0.19				
125	0.06	0.08	0.10	0.12	0.13	0.14	0.15	0.18	0.20	0.22	0.20	0.24	0.24	0.25	0.26				
130	0.13	0.15	0.17	0.18	0.20	0.22	0.25	0.27	0.28	0.29	0.29	0.34	0.32	0.32	0.35				
135	0.19	0.22	0.25	0.27	0.30	0.33	0.34	0.36	0.39	0.37	0.44	0.47	0.44	0.48	0.53				
140	0.27	0.31	0.35	0.38	0.40	0.41	0.46	0.50	0.50	0.58	0.62	0.62	0.58	0.62	0.67				
145	0.37	0.40	0.44	0.47	0.49	0.51	0.58	0.63	0.69	0.76	0.80	0.77	0.77	0.78	0.79				
150	0.47	0.51	0.54	0.55	0.56	0.61	0.67	0.74	0.79	0.86	0.84	0.86	0.84	0.84	0.91				
155	0.56	0.60	0.64	0.65	0.63	0.65	0.68	0.76	0.86	0.87	0.90	0.88	0.88	0.90	0.95				
160	0.63	0.65	0.66	0.66	0.68	0.67	0.68	0.77	0.87	0.88	0.90	0.90	0.91	0.90	0.95				
165	0.69	0.76	0.77	0.77	0.75	0.71	0.72	0.83	0.95	0.98	1.03	1.02	1.04	1.01	1.03				
170	0.76	0.78	0.81	0.84	0.77	0.70	0.76	0.86	1.02	1.14	1.16	1.15	1.14	1.03	1.07				
175	0.77	0.78	0.80	0.80	0.76	0.70	0.70	0.76	0.91	1.03	1.07	1.07	1.07	0.98	0.94				
180	0.75	0.77	0.72	0.72	0.65	0.59	0.59	0.66	0.75	0.78	0.85	0.84	0.80	0.76	0.68				

**C Range: 0 - 360DEG**  
**C Interval: 5.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.2DEG**  
**Operators: GANG YU**  
**Test Date: 2015-08-05**

**γ Range: 0 - 180DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287**  
**Humidity: 58.0%**  
**Test Distance: 26.000m [K=1.0000]**  
**Remarks:**

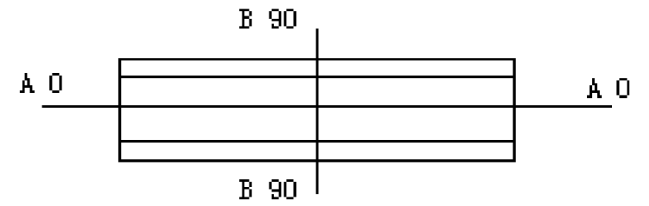
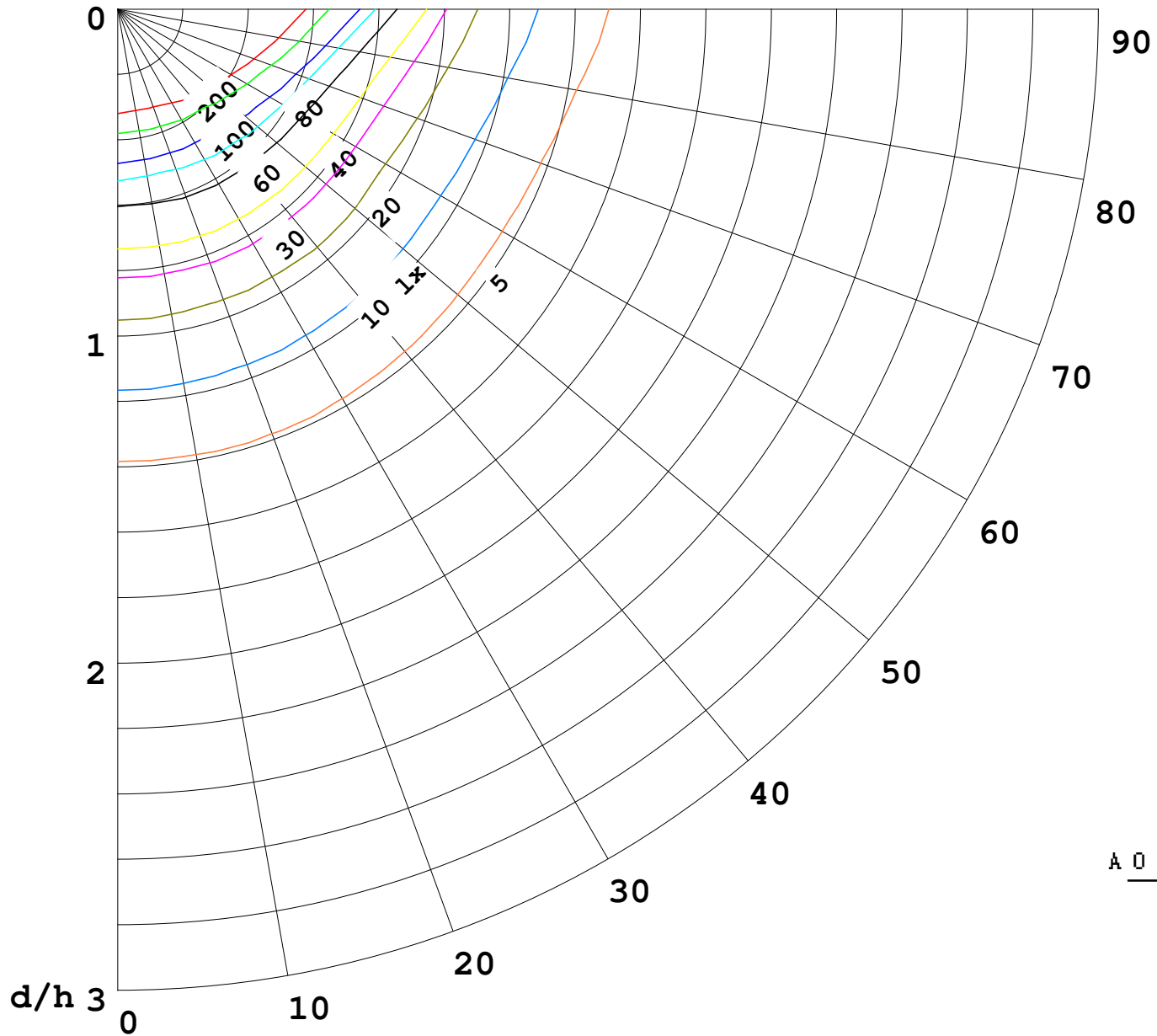
I (cd)





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

