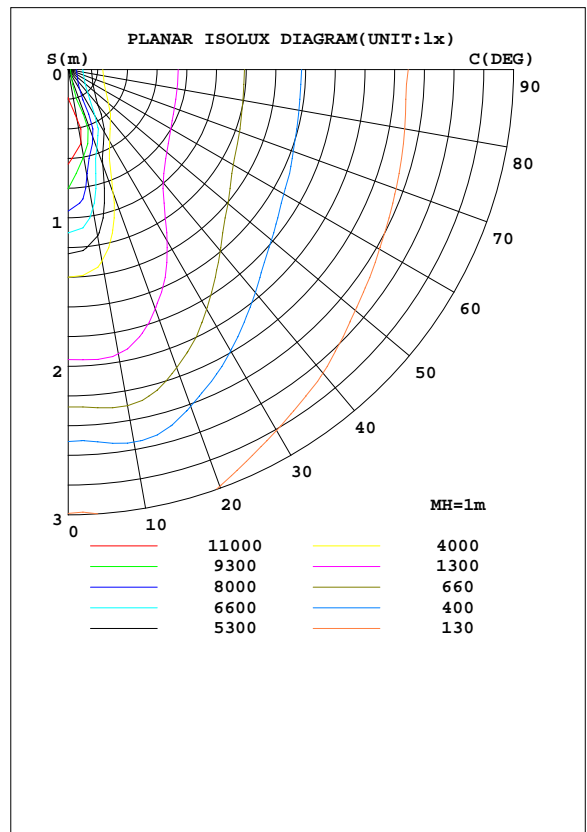
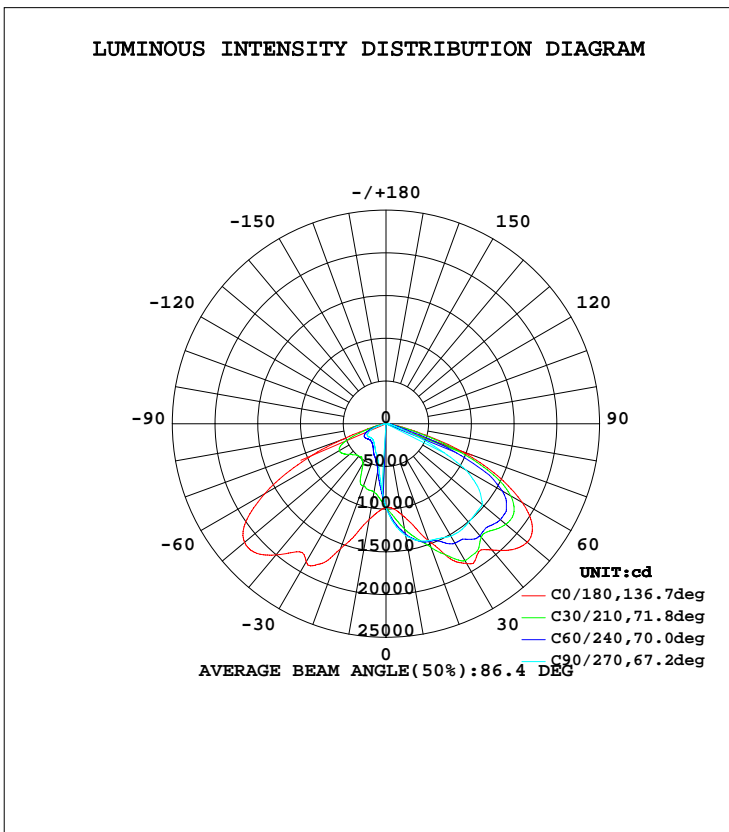


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:220.9V I:1.810A P:390.4W PF:0.9763 Lamp Flux:46684.9x1 lm		
NAME: LED SHOE BOX STREET LIGHT	TYPE:YHL-ST7-400	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170302
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 119.59 lm/W			
MODEL	150PCS	I <sub>max</sub> (cd)	21710	S/MH(C0/180)	2.40
NOMINAL POWER(W)	388	LOR(%)	100.0	S/MH(C90/270)	2.03
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	46685	η UP, DN(C0-180)	0.0, 29.8
NOMINAL FLUX(lm)	46684.9	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 70.2
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	1.00



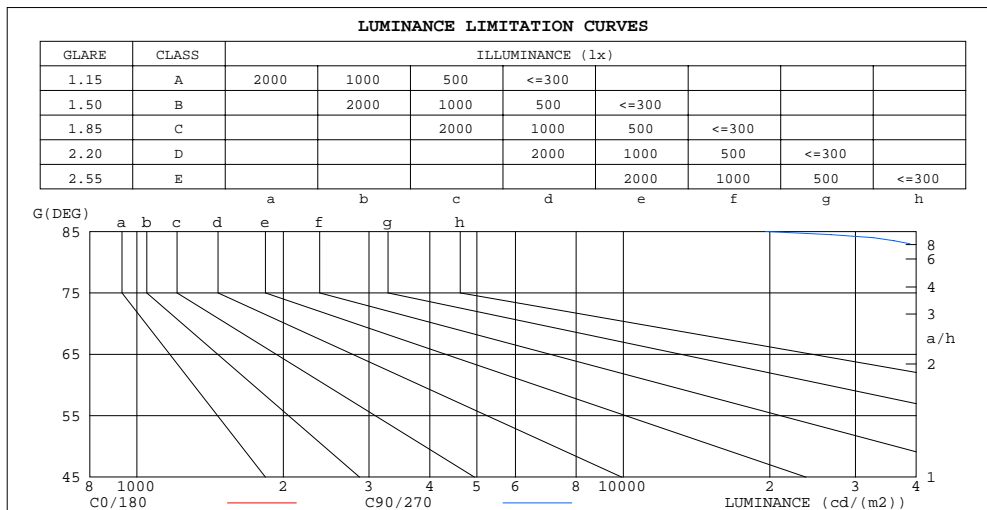
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-03-02

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:9.410m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM  
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
5	1033	804.3	701.0	781.7	998.2	1134	1183	1157	0- 5	232.7	232.7	0.50,0.50
10	1139	669.2	485.9	636.2	1082	1285	1330	1316	5- 10	701.6	934.3	2,2
15	1329	566.5	396.5	532.3	1230	1413	1415	1437	10- 15	1201	2135	4.57,4.57
20	1556	519.6	354.2	483.1	1458	1493	1458	1531	15- 20	1764	3899	8.35,8.35
25	1808	432.0	307.5	436.2	1727	1605	1481	1660	20- 25	2384	6283	13.5,13.5
30	1867	364.4	273.8	365.2	1890	1699	1520	1718	25- 30	2998	9281	19.9,19.9
35	1831	335.2	254.1	333.0	1866	1743	1525	1719	30- 35	3463	12743	27.3,27.3
40	2004	322.6	240.6	322.6	1929	1734	1506	1682	35- 40	3890	16634	35.6,35.6
45	2143	327.9	240.7	330.4	2085	1756	1486	1793	40- 45	4397	21031	45,45
50	2160	346.8	246.8	353.5	2157	1861	1475	1891	45- 50	4954	25985	55.7,55.7
55	2004	372.4	257.5	380.3	2091	1893	1322	1850	50- 55	5331	31316	67.1,67.1
60	1641	382.3	257.4	392.1	1840	1782	1083	1664	55- 60	5290	36606	78.4,78.4
65	1140	349.0	218.0	362.0	1438	1460	623.9	1205	60- 65	4610	41216	88.3,88.3
70	562.4	251.0	156.9	276.2	928.9	886.6	200.1	582.9	65- 70	3178	44394	95.1,95.1
75	176.0	112.4	54.61	138.7	380.9	322.8	100.1	182.0	70- 75	1522	45916	98.4,98.4
80	42.29	19.67	17.38	33.80	124.3	108.3	50.72	75.61	75- 80	543.2	46459	99.5,99.5
85	12.90	5.696	3.418	7.345	29.31	55.40	14.87	37.19	80- 85	194.5	46653	99.9,99.9
90	1.057	0	0	0	1.391	0	0	0	85- 90	31.46	46685	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG									LUMINOUS INTENSITY:×10cd			UNIT:lm



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	74026	19606
80	121774	50030
75	339931	105507
70	822224	229328
65	1349290	257894
60	1640713	257443
55	1746561	224501
50	1680304	191949
45	1515124	170203

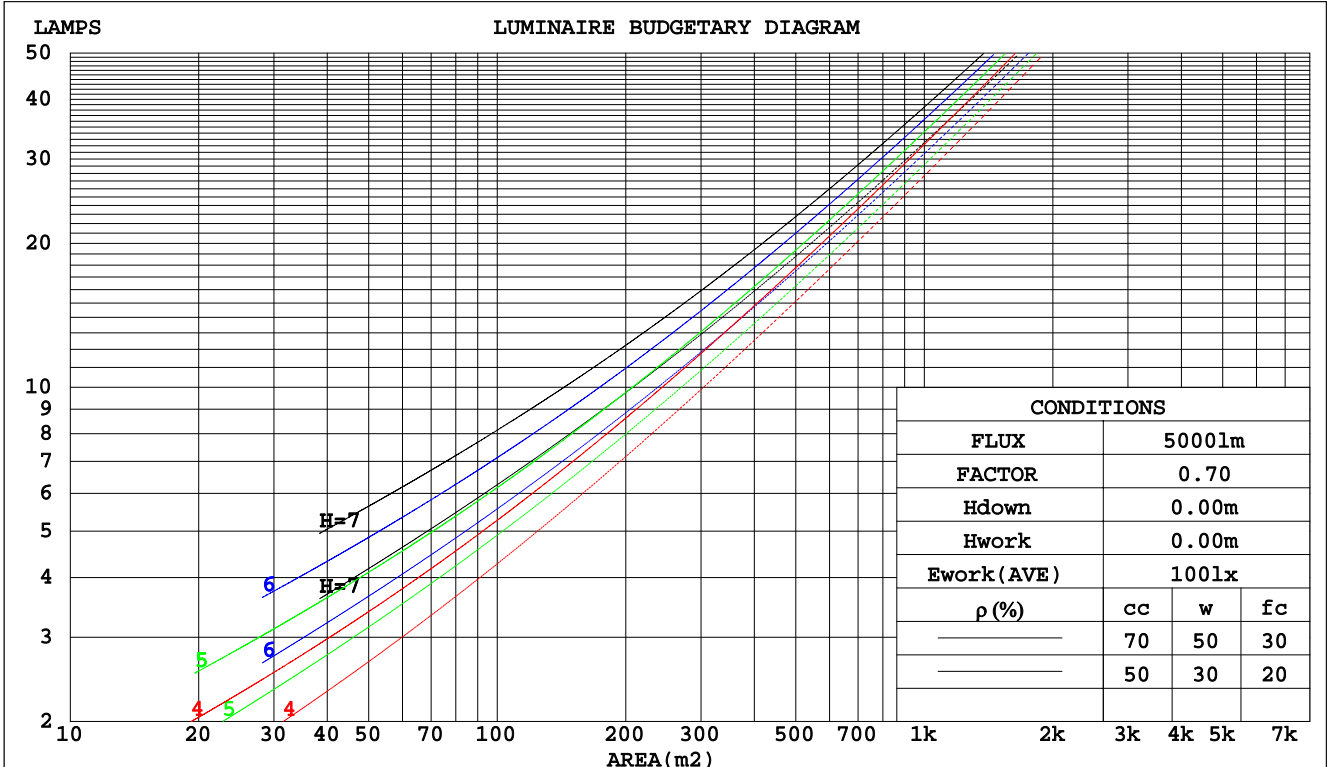
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:CHEN YU  
Test Date:2017-03-02

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
Humidity:65.0%  
Test Distance:9.410m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.9V I:1.810A P:390.4W PF:0.9763 Lamp Flux:46684.9x1 lm		
NAME: LED SHOE BOX STREET LIGHT	TYPE:YHL-ST7-400	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170302
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
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	1.00
1.0	1.04	.00	.96	1.02	.98	.94	.98	.94	.91	.94	.91	.89	.90	.88	.86	.84
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.81	.76	.72	.78	.74	.71	.69
3.0	.78	.69	.62	.76	.68	.62	.73	.66	.61	.70	.64	.60	.68	.63	.59	.56
4.0	.68	.59	.51	.66	.58	.51	.64	.56	.50	.61	.55	.50	.59	.54	.49	.47
5.0	.60	.50	.43	.58	.50	.43	.56	.48	.42	.54	.47	.42	.52	.46	.41	.39
6.0	.53	.43	.37	.52	.43	.36	.50	.42	.36	.48	.41	.36	.47	.40	.35	.33
7.0	.47	.38	.32	.47	.38	.31	.45	.37	.31	.43	.36	.31	.42	.36	.31	.29
8.0	.43	.34	.28	.42	.33	.27	.41	.33	.27	.39	.32	.27	.38	.32	.27	.25
9.0	.39	.30	.24	.38	.30	.24	.37	.29	.24	.36	.29	.24	.35	.28	.24	.22
10.0	.36	.27	.22	.35	.27	.22	.34	.27	.21	.33	.26	.21	.32	.26	.21	.19



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-03-02

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:9.410m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:220.9V I:1.810A P:390.4W PF:0.9763 Lamp Flux:46684.9x1 lm		
NAME: LED SHOE BOX STREET LIGHT	TYPE:YHL-ST7-400	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170302
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.305	.174	.055	.298	.170	.054	.285	.163	.052	.273	.157	.050	.261	.152	.049	
2.0	.298	.163	.050	.292	.161	.049	.280	.156	.048	.269	.151	.047	.259	.146	.046	
3.0	.280	.149	.045	.275	.147	.044	.264	.143	.044	.255	.140	.043	.246	.136	.042	
4.0	.261	.136	.040	.256	.134	.040	.247	.131	.039	.238	.128	.039	.230	.125	.038	
5.0	.242	.123	.036	.238	.122	.036	.230	.120	.035	.222	.117	.035	.215	.115	.034	
6.0	.225	.113	.032	.221	.112	.032	.214	.109	.032	.207	.107	.032	.200	.105	.031	
7.0	.209	.104	.029	.206	.103	.029	.199	.101	.029	.193	.099	.029	.187	.097	.029	
8.0	.195	.095	.027	.192	.095	.027	.186	.093	.027	.181	.091	.026	.175	.090	.026	
9.0	.183	.088	.025	.180	.088	.025	.174	.086	.024	.169	.085	.024	.165	.084	.024	
10.0	.171	.082	.023	.169	.082	.023	.164	.080	.023	.159	.079	.023	.155	.078	.022	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.156	.135	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.173	.132	.097	.148	.114	.084	.102	.079	.059	.059	.046	.034	.019	.015	.011	
3.0	.166	.114	.073	.143	.099	.063	.098	.069	.044	.057	.040	.026	.018	.013	.009	
4.0	.160	.101	.057	.137	.087	.049	.094	.061	.035	.055	.036	.020	.018	.012	.007	
5.0	.153	.091	.045	.131	.079	.039	.090	.055	.028	.052	.032	.017	.017	.011	.005	
6.0	.146	.083	.037	.126	.072	.033	.087	.050	.023	.050	.030	.014	.016	.010	.005	
7.0	.139	.076	.032	.120	.066	.028	.083	.046	.020	.048	.027	.012	.016	.009	.004	
8.0	.133	.070	.027	.114	.061	.024	.079	.043	.017	.046	.025	.010	.015	.008	.003	
9.0	.127	.066	.024	.109	.057	.021	.076	.040	.015	.044	.024	.009	.014	.008	.003	
10.0	.121	.061	.022	.104	.053	.019	.072	.037	.013	.042	.022	.008	.014	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-03-02

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:9.410m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.9V I:1.810A P:390.4W PF:0.9763 Lamp Flux:46684.9x1 lm		
NAME: LED SHOE BOX STREET LIGHT	TYPE:YHL-ST7-400	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170302
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	38.9	40.5	39.1	40.7	40.9	28.3	29.9	28.5	30.1	30.3
3H	40.4	41.9	40.7	42.1	42.4	30.1	31.5	30.4	31.8	32.0
4H	40.5	41.9	40.8	42.2	42.4	30.3	31.7	30.6	31.9	32.2
6H	40.4	41.8	40.8	42.0	42.3	30.2	31.5	30.5	31.8	32.1
8H	40.4	41.7	40.7	42.0	42.3	30.2	31.5	30.5	31.7	32.0
12H	40.3	41.6	40.7	41.9	42.2	30.1	31.4	30.5	31.7	32.0
4H 2H	38.7	40.1	39.0	40.4	40.6	30.5	31.9	30.8	32.2	32.4
3H	40.3	41.6	40.7	41.9	42.2	31.9	33.2	32.3	33.5	33.8
4H	40.5	41.6	40.9	42.0	42.3	32.1	33.2	32.5	33.6	33.9
6H	40.5	41.5	40.9	41.8	42.2	32.1	33.1	32.5	33.4	33.8
8H	40.5	41.4	40.9	41.7	42.1	32.1	33.0	32.5	33.4	33.7
12H	40.4	41.3	40.9	41.6	42.1	32.0	32.9	32.5	33.3	33.7
8H 4H	40.4	41.3	40.8	41.7	42.1	32.6	33.5	33.0	33.8	34.2
6H	40.4	41.2	40.9	41.6	42.0	32.6	33.3	33.0	33.7	34.1
8H	40.4	41.1	40.9	41.5	41.9	32.5	33.2	33.0	33.6	34.1
12H	40.4	40.9	40.8	41.4	41.9	32.5	33.1	33.0	33.5	34.0
12H 4H	40.4	41.2	40.8	41.6	42.0	32.5	33.4	33.0	33.8	34.2
6H	40.4	41.0	40.8	41.5	41.9	32.6	33.2	33.0	33.6	34.1
8H	40.4	40.9	40.8	41.4	41.9	32.5	33.1	33.0	33.5	34.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.1					+ 0.4 / - 0.4				
1.5H	+ 1.4 / - 1.3					+ 0.2 / - 0.1				
2.0H	+ 2.6 / - 3.5					+ 0.2 / - 0.2				

CIE Pub.117 Corrected 46685 lm Total Lamp Luminous Flux.(8log(F/F0) = 13.4)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-03-02

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:9.410m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.9V I:1.810A P:390.4W PF:0.9763 Lamp Flux:46684.9x1 lm		
NAME: LED SHOE BOX STREET LIGHT	TYPE:YHL-ST7-400	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170302
MFR.:	SUR.:70Ra	PROTECTION 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	51	39	31	51	39	31	49	38	31	24
0.80	62	50	42	61	49	42	59	48	41	34
1.00	72	60	52	71	59	52	68	61	51	44
1.25	80	69	61	79	68	61	76	67	60	52
1.50	86	75	68	84	74	67	81	72	66	58
2.00	94	85	78	92	83	77	88	81	76	67
2.50	98	90	84	96	88	83	92	86	81	72
3.00	102	95	89	100	93	88	95	90	86	77
4.00	106	100	96	104	99	94	99	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
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:25DEG  
 Operators:CHEN YU  
 Test Date:2017-03-02

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:9.410m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:220.9V I:1.810A P:390.4W PF:0.9763 Lamp Flux:46684.9x1 lm		
NAME: LED SHOE BOX STREET LIGHT	TYPE:YHL-ST7-400	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170302
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

Conical surface Flux(90deg):

21031 lm

%lum = 45.0%

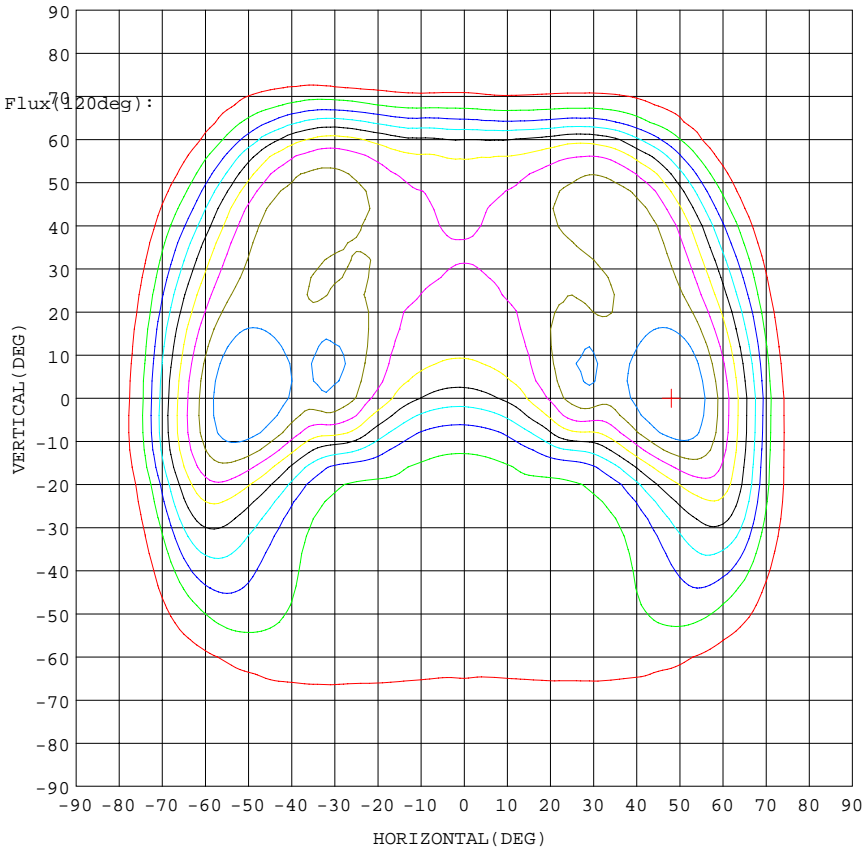
%lamp = 45.0%

Conical surface Flux(70deg):

36606 lm

%lum = 78.4%

%lamp = 78.4%



- 10% 2171
- 20% 4342
- 30% 6513
- 40% 8684
- 50% 10855
- 60% 13026
- 70% 15197
- 80% 17368
- 90% 19539

I<sub>max</sub>:21710(H48.0,V0.0)  
 (At:C=0.0,Gamma=48.0)  
 UNIT: cd

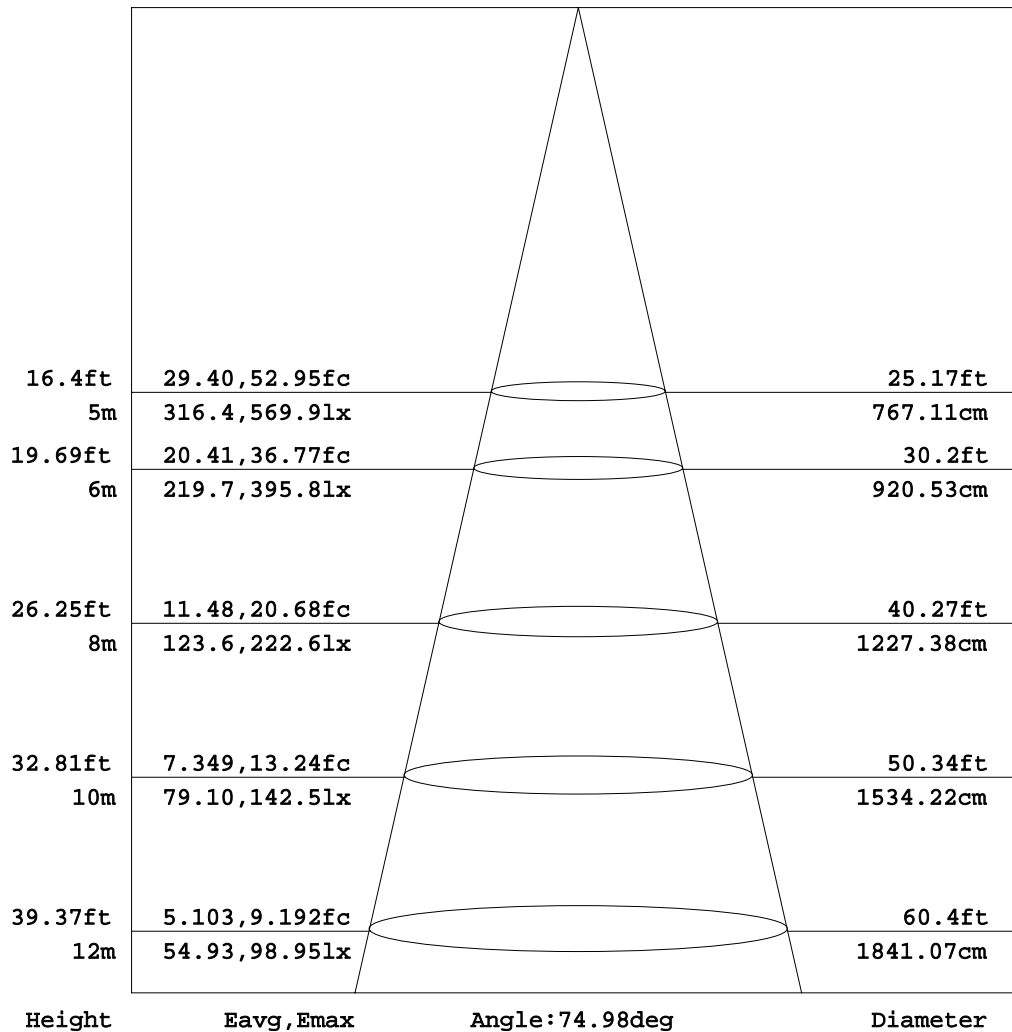
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-03-02

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:9.410m [K=1.0000]  
 Remarks:

**AAI Figure**

Test:U:220.9V I:1.810A P:390.4W PF:0.9763 Lamp Flux:46684.9x1 lm		
NAME: LED SHOE BOX STREET LIGHT	TYPE:YHL-ST7-400	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170302
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

Flux out:14632 lm



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

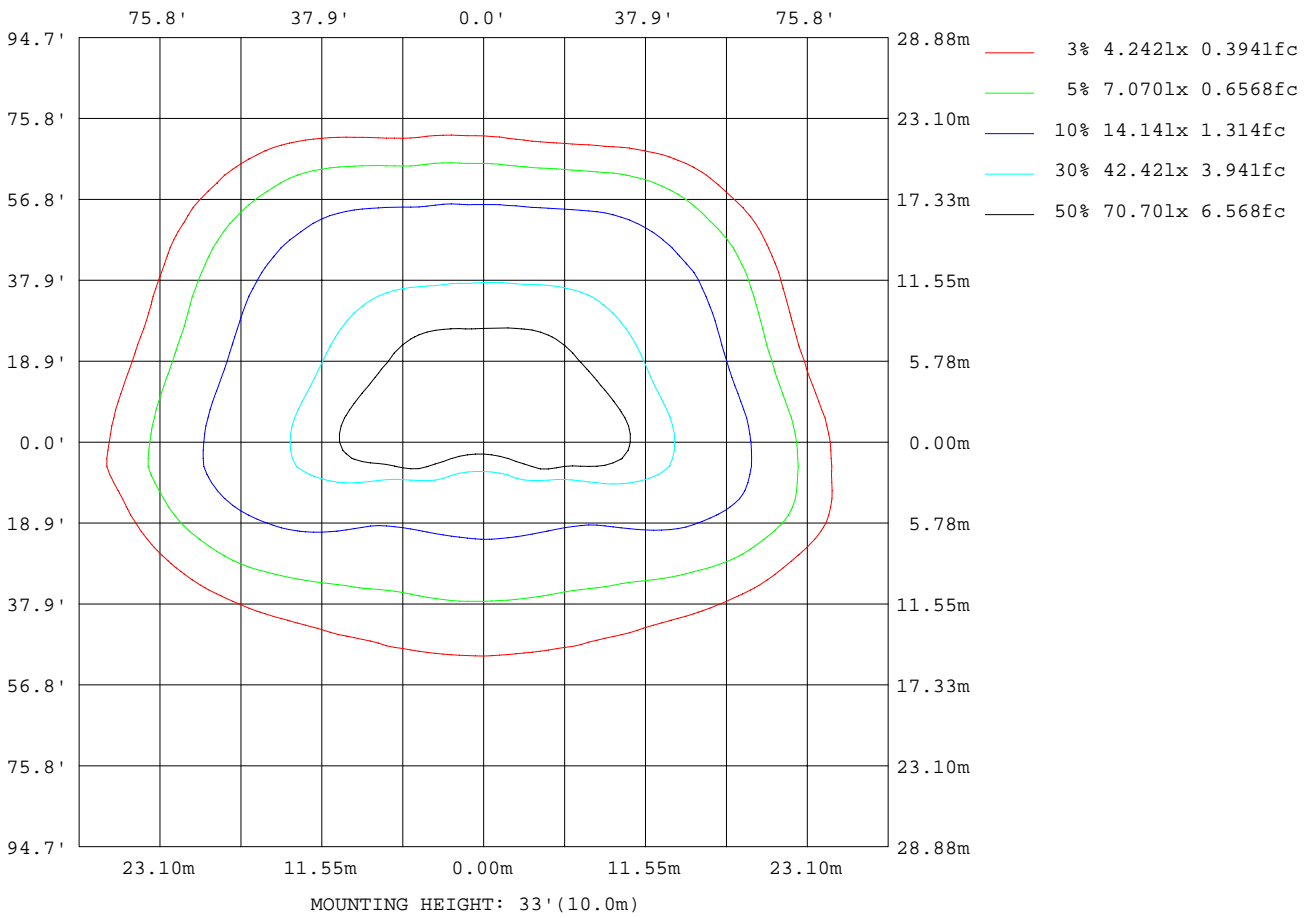
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-03-02

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:9.410m [K=1.0000]  
 Remarks:



**ISOLUX DIAGRAM**

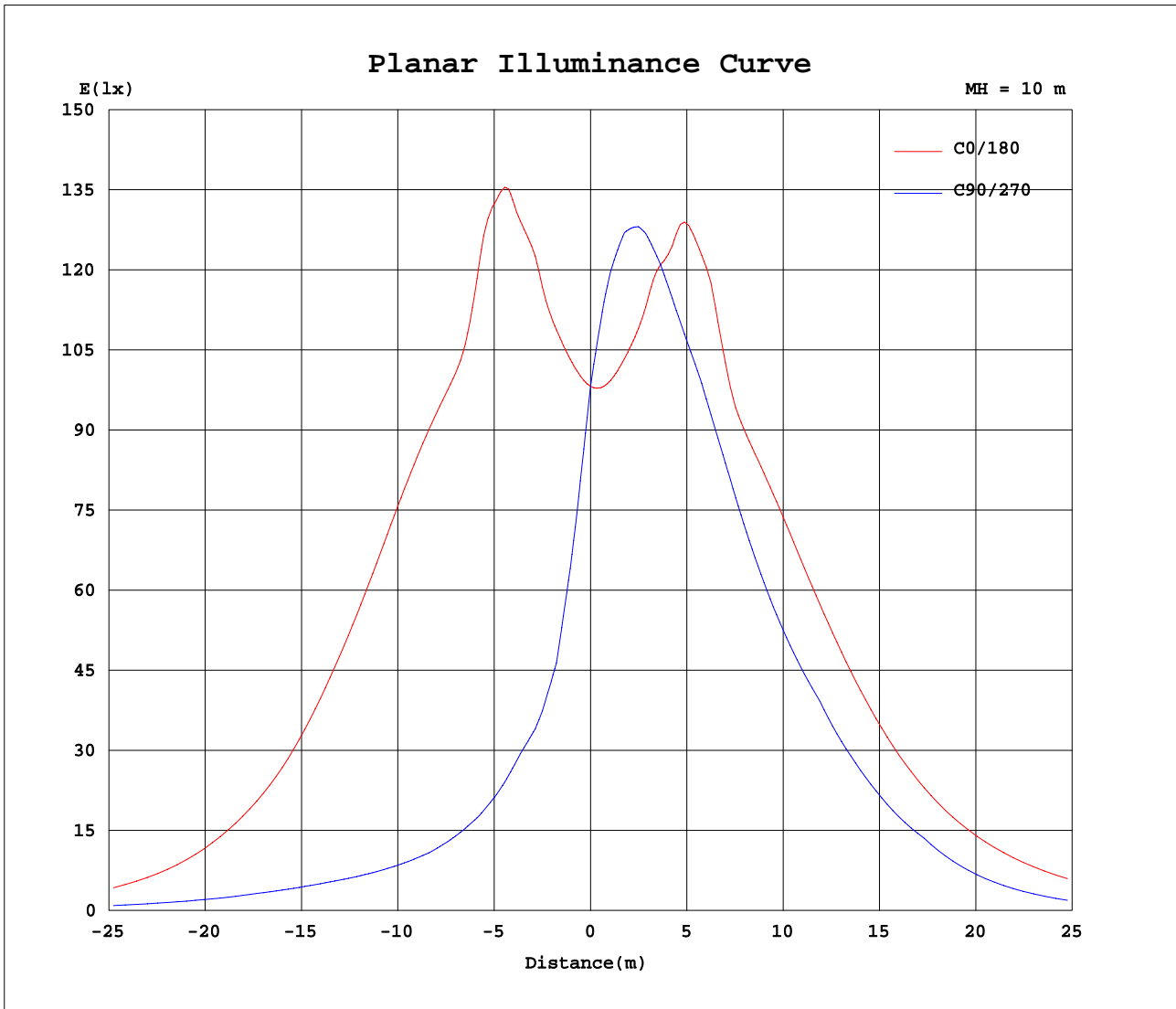
Test:U:220.9V I:1.810A P:390.4W PF:0.9763 Lamp Flux:46684.9x1 lm		
NAME: LED SHOE BOX STREET LIGHT	TYPE:YHL-ST7-400	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170302
MFR.:	SUR.:70Ra	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-03-02

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:9.410m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: CHEN YU  
 Test Date: 2017-03-02

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity: 65.0%  
 Test Distance: 9.410m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:1.810A P:390.4W PF:0.9763 Lamp Flux:46684.9x1 lm		
NAME: LED SHOE BOX STREET LIGHT	TYPE:YHL-ST7-400	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170302
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

Table--1

UNIT: x10cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982
5	1033	1007	980	954	927	901	875	850	827	804	783	765	749	736	725	715	708	704	701
10	1139	1087	1033	978	922	866	813	761	713	669	630	596	566	541	522	506	496	489	486
15	1329	1254	1175	1091	995	898	800	709	624	567	522	486	457	435	419	410	403	398	397
20	1556	1458	1351	1223	1075	920	774	670	587	520	464	424	400	384	373	365	359	356	354
25	1808	1687	1545	1351	1141	926	712	563	482	432	389	367	351	337	326	317	312	309	308
30	1867	1687	1489	1240	980	718	536	457	394	364	340	321	307	297	289	283	278	275	274
35	1831	1703	1501	1233	904	652	494	416	368	335	313	294	282	272	265	259	256	254	254
40	2004	1895	1668	1317	934	648	495	406	357	323	301	283	269	260	252	247	243	241	241
45	2143	2051	1830	1382	994	700	515	416	364	328	303	283	268	258	251	246	243	241	241
50	2160	2091	1846	1409	1040	750	557	455	390	347	319	296	278	267	260	253	249	246	247
55	2004	1957	1752	1372	1049	793	611	499	423	372	339	312	292	281	271	264	260	257	258
60	1641	1642	1541	1284	1011	802	631	521	440	382	344	317	295	283	270	263	258	256	257
65	1140	1169	1178	1060	859	702	569	471	402	349	312	290	265	249	238	228	220	215	218
70	562	590	655	627	521	429	363	317	284	251	227	209	193	182	175	169	164	155	157
75	176	211	239	233	214	181	155	135	121	112	100	99.1	89.0	81.2	74.9	64.4	54.9	52.9	54.6
80	42.3	62.2	62.3	56.0	48.1	38.9	29.4	27.5	24.2	19.7	20.5	20.8	20.2	19.4	18.4	17.0	17.1	17.2	17.4
85	12.9	9.65	7.34	5.17	5.55	5.76	4.66	4.95	5.39	5.70	5.76	5.72	5.08	4.34	3.90	3.66	3.52	3.38	3.42
90	1.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-03-02

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:9.410m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:1.810A P:390.4W PF:0.9763 Lamp Flux:46684.9x1 lm		
NAME: LED SHOE BOX STREET LIGHT	TYPE:YHL-ST7-400	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170302
MFR.:	SUR.:70Ra	PROTECTION 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	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982
5	701	703	708	715	723	734	747	763	782	802	824	847	871	896	921	947	973	998	1016
10	487	492	501	513	530	550	575	604	636	673	715	762	811	865	920	975	1029	1082	1116
15	397	400	406	414	427	445	468	497	532	580	652	730	813	900	988	1072	1153	1230	1271
20	355	358	363	372	382	395	413	439	483	550	630	717	841	980	1118	1244	1354	1458	1506
25	308	310	315	323	336	352	371	394	436	495	575	697	873	1075	1277	1457	1601	1727	1767
30	273	275	279	285	294	305	320	339	365	395	466	554	742	1031	1300	1558	1745	1890	1944
35	253	254	257	262	270	280	292	311	333	365	411	486	625	869	1190	1471	1695	1866	1945
40	241	243	246	251	258	268	282	300	323	357	403	490	637	885	1238	1573	1800	1929	1951
45	242	245	247	251	258	268	284	304	330	367	422	524	709	983	1334	1755	1976	2085	2074
50	248	252	256	262	269	279	297	322	353	399	469	582	775	1050	1399	1820	2078	2157	2124
55	258	262	267	274	284	295	316	345	380	435	514	630	814	1058	1384	1785	2041	2091	2040
60	258	261	267	274	287	298	321	351	392	450	531	649	815	1026	1309	1627	1833	1840	1780
65	217	223	232	243	256	272	298	323	362	420	493	594	731	890	1095	1289	1456	1438	1371
70	158	168	175	182	191	205	225	247	276	315	361	424	500	594	694	795	937	929	870
75	55.1	59.3	75.0	87.0	96.2	105	118	128	139	155	171	192	221	260	285	292	353	381	340
80	17.7	18.4	19.4	22.1	25.5	27.8	30.9	32.9	33.8	37.6	48.4	54.2	69.2	79.7	84.8	83.1	96.0	124	98.6
85	3.56	3.97	4.37	4.88	5.56	6.40	7.15	7.33	7.35	7.23	7.28	7.55	9.67	9.14	10.9	11.7	11.6	29.3	26.4
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	1.39	0.00

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:CHEN YU  
Test Date:2017-03-02

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
Humidity:65.0%  
Test Distance:9.410m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:1.810A P:390.4W PF:0.9763 Lamp Flux:46684.9x1 lm		
NAME: LED SHOE BOX STREET LIGHT	TYPE:YHL-ST7-400	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170302
MFR.:	SUR.:70Ra	PROTECTION 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	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982
5	1034	1051	1067	1082	1097	1110	1123	1134	1145	1154	1160	1166	1172	1176	1179	1182	1183	1185	1184
10	1148	1177	1205	1229	1248	1264	1276	1285	1293	1300	1307	1312	1317	1321	1325	1328	1330	1331	1332
15	1307	1340	1362	1380	1390	1401	1411	1413	1413	1413	1414	1414	1414	1413	1413	1414	1415	1417	1420
20	1545	1565	1565	1557	1538	1517	1502	1493	1485	1476	1468	1463	1460	1458	1457	1457	1458	1458	1458
25	1791	1787	1769	1738	1701	1666	1638	1605	1569	1537	1522	1509	1494	1486	1483	1481	1481	1480	1482
30	1980	1982	1957	1901	1849	1790	1740	1699	1666	1645	1615	1584	1566	1552	1534	1524	1520	1523	1532
35	1981	1988	1952	1899	1838	1791	1758	1743	1729	1698	1652	1633	1613	1580	1545	1528	1525	1531	1556
40	1929	1881	1825	1766	1734	1716	1721	1734	1741	1727	1712	1667	1615	1570	1530	1503	1506	1517	1542
45	2018	1931	1854	1799	1763	1747	1753	1756	1754	1737	1700	1651	1600	1551	1516	1487	1486	1501	1529
50	2038	1939	1869	1836	1830	1843	1854	1861	1840	1808	1748	1663	1580	1522	1498	1468	1475	1485	1491
55	1943	1846	1798	1798	1825	1859	1881	1893	1865	1812	1721	1610	1493	1423	1388	1336	1322	1343	1367
60	1693	1621	1599	1632	1684	1740	1761	1782	1754	1692	1568	1413	1275	1167	1139	1093	1083	1084	1098
65	1291	1234	1236	1279	1351	1409	1470	1460	1415	1355	1184	1000	840	721	682	644	624	604	610
70	802	758	738	775	832	887	915	887	838	745	601	456	339	254	210	202	200	182	183
75	303	285	278	299	329	366	365	323	275	240	189	150	126	109	100	101	100	95.6	95.5
80	87.6	77.9	75.6	77.4	85.7	103	111	108	100	90.8	83.3	81.1	78.1	71.2	63.7	56.9	50.7	56.5	62.4
85	27.4	34.6	39.8	43.6	49.6	53.2	54.6	55.4	53.8	52.1	45.8	38.9	33.6	28.1	22.7	17.6	14.9	17.7	22.2
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

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-03-02

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:9.410m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table with 3 columns: Test parameters (U:220.9V, I:1.810A, P:390.4W, PF:0.9763, Lamp Flux:46684.9x1 lm), Name (LED SHOE BOX STREET LIGHT), Type (YHL-ST7-400), Weight, Spec (MEAN WELL), Dim (5000K), Serial No (20170302), MFR, Sur (70Ra), Protection Angle.

Table--4

UNIT: x10cd

Large data table with columns for C (DEG) from 285 to 355 and rows for gamma (DEG) from 0 to 90. Values represent luminous intensity in x10cd.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:CHEN YU
Test Date:2017-03-02

gamma Range: 0 - 90DEG
gamma Interval: 0.5DEG
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287
Humidity:65.0%
Test Distance:9.410m [K=1.0000]
Remarks: