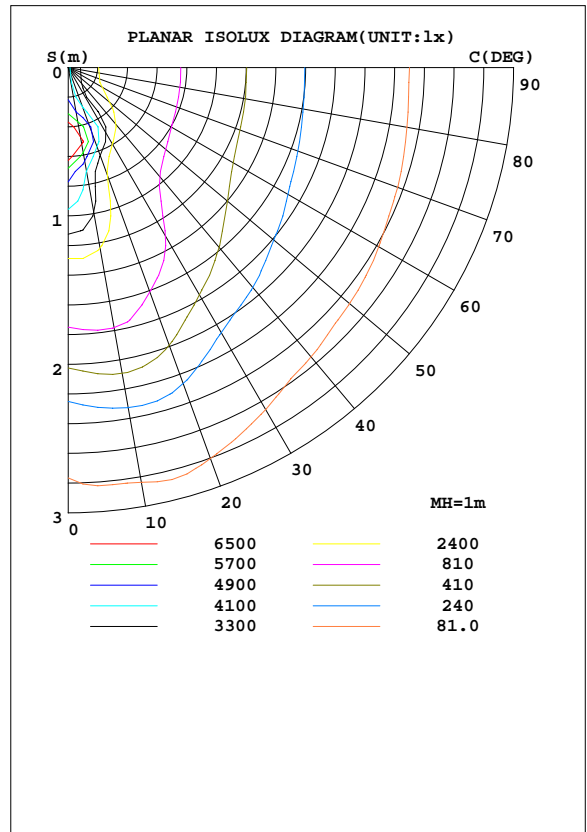
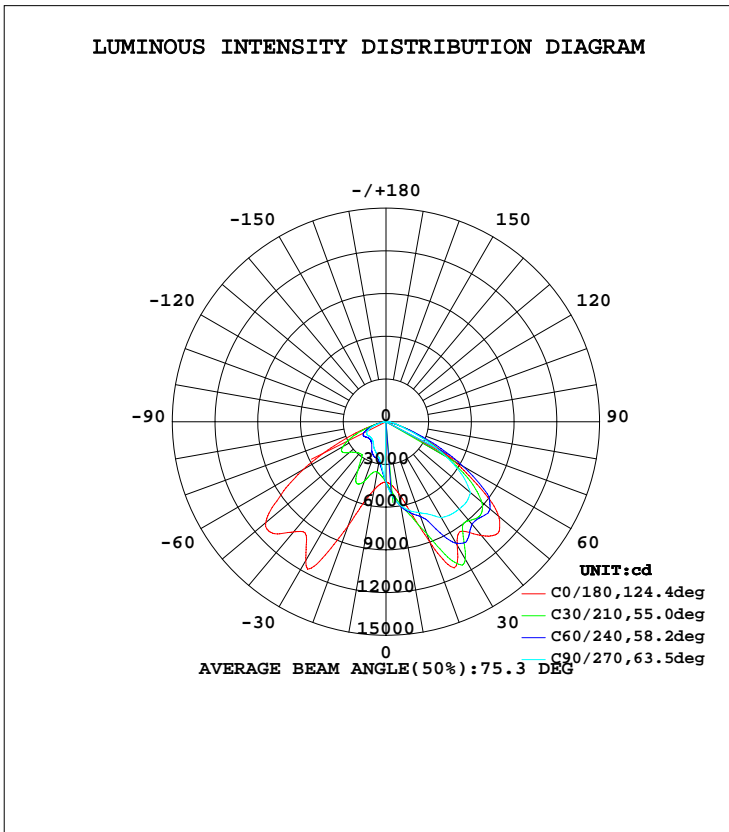


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:220.9V I:0.9639A P:207.9W PF:0.9764 Lamp Flux:23077.7x1 lm		
NAME: LED SHOE BOX LIGHT	TYPE:YHL-ST9-200	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170406
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 111.01 lm/W			
MODEL	NVSW219BT-V1 90PCS	Imax(cd)	12391	S/MH(C0/180)	2.21
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	2.12
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	23078	η UP, DN(C0-180)	0.0, 32.0
NOMINAL FLUX(lm)	23077.7	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 68.0
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	0.85



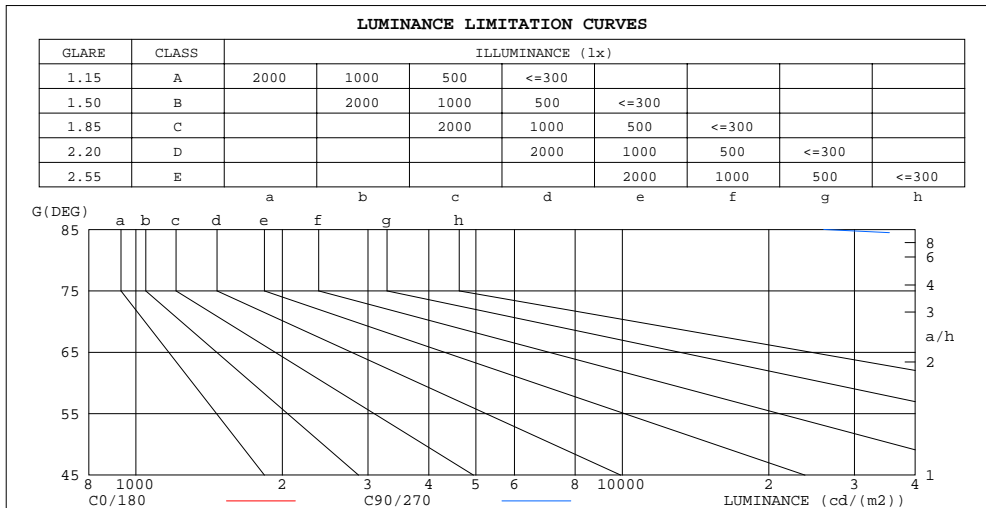
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-04-06

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	438.2	356.9	325.7	359.4	446.8	511.9	525.7	504.9	0- 5	102.6	102.6	0.44,0.44
10	486.8	314.3	262.4	322.6	509.0	600.3	598.8	585.6	5- 10	319.6	422.2	1.83,1.83
15	576.7	298.1	240.8	327.0	651.0	677.6	646.6	657.9	10- 15	572.8	995.0	4.31,4.31
20	777.8	316.6	220.0	340.1	895.9	764.8	678.7	717.3	15- 20	900.6	1896	8.21,8.21
25	1059	309.2	201.5	304.3	1133	944.3	718.1	841.6	20- 25	1328	3224	14,14
30	1127	250.5	175.6	231.1	1002	1080	778.9	1038	25- 30	1765	4988	21.6,21.6
35	976.8	207.6	162.9	202.8	937.4	996.4	794.9	1054	30- 35	1973	6961	30.2,30.2
40	1010	196.5	155.7	195.0	1043	912.1	800.4	949.0	35- 40	2119	9080	39.3,39.3
45	1112	197.4	153.9	197.7	1109	971.8	798.2	965.4	40- 45	2382	11462	49.7,49.7
50	1103	208.7	156.5	213.4	1033	961.8	775.3	1010	45- 50	2647	14110	61.1,61.1
55	902.6	230.4	160.6	232.8	802.7	828.4	653.6	914.2	50- 55	2665	16775	72.7,72.7
60	670.1	235.3	158.3	226.3	544.7	624.4	486.4	700.4	55- 60	2344	19118	82.8,82.8
65	401.3	200.6	136.7	183.7	339.9	401.8	304.0	450.6	60- 65	1785	20904	90.6,90.6
70	208.7	134.7	101.8	122.6	181.5	216.9	146.9	226.8	65- 70	1142	22045	95.5,95.5
75	77.17	72.23	57.25	68.28	79.74	90.28	88.37	91.25	70- 75	601.9	22647	98.1,98.1
80	26.02	26.43	23.00	27.15	28.94	42.37	52.62	43.43	75- 80	286.8	22934	99.4,99.4
85	7.382	6.856	4.523	5.939	8.410	19.10	15.27	22.15	80- 85	126.2	23060	99.9,99.9
90	1.163	0	0	0	0.6898	0	0	0	85- 90	17.49	23078	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	42350	25948
80	74927	66238
75	149074	110606
70	305156	148881
65	474828	161785
60	670130	158321
55	786819	140037
50	857602	121722
45	786377	108841

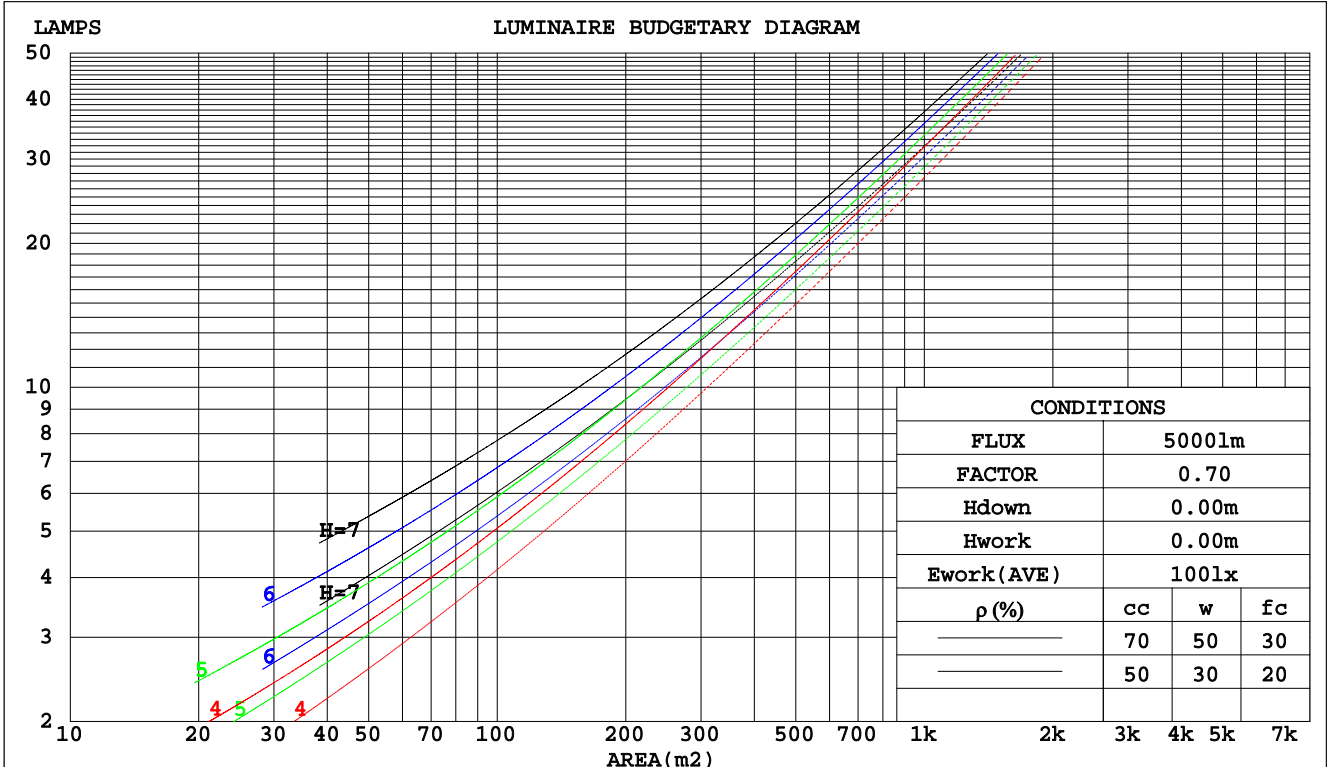
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:CHEN YU  
Test Date:2017-04-06

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:0.9639A P:207.9W PF:0.9764 Lamp Flux:23077.7x1 lm		
NAME: LED SHOE BOX LIGHT	TYPE:YHL-ST9-200	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170406
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																0
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	.00
1.0	1.05	1.01	.97	1.02	.99	.95	.98	.95	.92	.94	.92	.90	.91	.89	.87	.85
2.0	.91	.84	.79	.89	.83	.78	.86	.80	.76	.82	.78	.74	.79	.76	.72	.70
3.0	.79	.71	.65	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.61	.58
4.0	.70	.61	.54	.68	.60	.53	.66	.58	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.61	.52	.45	.60	.52	.45	.58	.50	.45	.56	.49	.44	.54	.48	.44	.41
6.0	.55	.45	.39	.54	.45	.39	.52	.44	.38	.50	.43	.38	.49	.42	.38	.35
7.0	.49	.40	.34	.48	.40	.33	.47	.39	.33	.45	.38	.33	.44	.37	.33	.31
8.0	.44	.35	.29	.44	.35	.29	.42	.35	.29	.41	.34	.29	.40	.33	.29	.27
9.0	.40	.32	.26	.40	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.23
10.0	.37	.29	.23	.36	.28	.23	.35	.28	.23	.34	.28	.23	.33	.27	.23	.21



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-04-06

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:0.9639A P:207.9W PF:0.9764 Lamp Flux:23077.7x1 lm		
NAME: LED SHOE BOX LIGHT	TYPE:YHL-ST9-200	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170406
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	.294	.167	.053	.287	.163	.052	.273	.157	.050	.261	.151	.048	.250	.145	.047	
2.0	.286	.157	.048	.280	.154	.047	.268	.149	.046	.258	.144	.045	.248	.140	.044	
3.0	.270	.144	.043	.265	.142	.043	.254	.138	.042	.245	.134	.041	.236	.131	.040	
4.0	.253	.131	.039	.248	.130	.038	.238	.126	.038	.230	.123	.037	.222	.121	.037	
5.0	.235	.120	.035	.231	.119	.035	.223	.116	.034	.215	.113	.034	.208	.111	.033	
6.0	.219	.110	.031	.215	.109	.031	.208	.107	.031	.201	.105	.031	.195	.103	.030	
7.0	.205	.101	.029	.201	.100	.029	.195	.098	.028	.189	.097	.028	.183	.095	.028	
8.0	.192	.094	.026	.189	.093	.026	.183	.091	.026	.177	.090	.026	.172	.088	.026	
9.0	.180	.087	.024	.177	.086	.024	.172	.085	.024	.167	.084	.024	.162	.082	.024	
10.0	.169	.081	.022	.167	.080	.022	.162	.079	.022	.157	.078	.022	.153	.077	.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	.179	.156	.136	.153	.134	.117	.105	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.171	.132	.099	.147	.114	.085	.101	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.165	.114	.074	.141	.099	.064	.097	.068	.045	.056	.040	.027	.018	.013	.009	
4.0	.158	.101	.058	.135	.087	.050	.093	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.151	.091	.046	.130	.079	.040	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.144	.083	.038	.124	.071	.033	.086	.050	.024	.050	.029	.014	.016	.010	.005	
7.0	.138	.076	.032	.118	.066	.028	.082	.046	.020	.048	.027	.012	.015	.009	.004	
8.0	.131	.070	.028	.113	.061	.024	.078	.043	.017	.046	.025	.010	.015	.008	.003	
9.0	.125	.065	.025	.108	.057	.021	.075	.040	.015	.044	.023	.009	.014	.008	.003	
10.0	.120	.061	.022	.103	.053	.019	.072	.037	.014	.042	.022	.008	.014	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-04-06

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:0.9639A P:207.9W PF:0.9764 Lamp Flux:23077.7x1 lm		
NAME: LED SHOE BOX LIGHT	TYPE:YHL-ST9-200	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170406
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	36.3	37.9	36.6	38.1	38.3	27.5	29.0	27.7	29.2	29.4
3H	37.4	38.8	37.7	39.0	39.3	29.4	30.8	29.7	31.0	31.3
4H	37.4	38.8	37.7	39.0	39.3	29.8	31.2	30.2	31.5	31.7
6H	37.4	38.7	37.7	38.9	39.2	30.0	31.3	30.3	31.6	31.8
8H	37.3	38.6	37.7	38.8	39.1	30.0	31.2	30.3	31.5	31.8
12H	37.3	38.5	37.6	38.8	39.1	30.0	31.2	30.3	31.5	31.8
4H 2H	36.2	37.6	36.5	37.8	38.1	29.3	30.7	29.7	31.0	31.2
3H	37.4	38.6	37.7	38.9	39.2	31.0	32.2	31.3	32.5	32.8
4H	37.5	38.6	37.9	38.9	39.2	31.4	32.5	31.8	32.8	33.2
6H	37.5	38.4	37.9	38.8	39.2	31.6	32.6	32.0	32.9	33.3
8H	37.5	38.3	37.9	38.7	39.1	31.7	32.5	32.1	32.9	33.3
12H	37.4	38.2	37.9	38.6	39.0	31.6	32.4	32.1	32.8	33.2
8H 4H	37.4	38.3	37.9	38.7	39.1	31.8	32.6	32.2	33.0	33.4
6H	37.5	38.2	37.9	38.6	39.0	32.0	32.7	32.4	33.1	33.6
8H	37.4	38.1	37.9	38.5	38.9	32.1	32.7	32.5	33.1	33.6
12H	37.4	38.0	37.9	38.4	38.9	32.1	32.6	32.5	33.0	33.5
12H 4H	37.4	38.2	37.8	38.6	39.0	31.7	32.5	32.2	32.9	33.3
6H	37.4	38.1	37.9	38.5	38.9	32.0	32.6	32.5	33.1	33.5
8H	37.4	37.9	37.9	38.4	38.9	32.1	32.6	32.5	33.0	33.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.3				
1.5H	+ 1.8 / - 1.2					+ 0.1 / - 0.1				
2.0H	+ 2.3 / - 3.7					+ 0.5 / - 0.6				

CIE Pub.117 Corrected 23078 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.9)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-04-06

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:0.9639A P:207.9W PF:0.9764 Lamp Flux:23077.7x1 lm		
NAME: LED SHOE BOX LIGHT	TYPE:YHL-ST9-200	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170406
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	53	41	34	53	41	33	51	40	33	26
0.80	65	52	45	63	52	44	62	51	44	37
1.00	74	63	55	73	62	55	71	64	54	47
1.25	82	72	64	81	71	64	78	69	63	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	87	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	85	93	87	83	74
3.00	103	96	91	100	94	89	96	91	87	79
4.00	107	101	97	104	99	95	100	96	92	84
5.00	109	104	100	107	102	99	102	99	96	87
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:2017-04-06

$\gamma$  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**

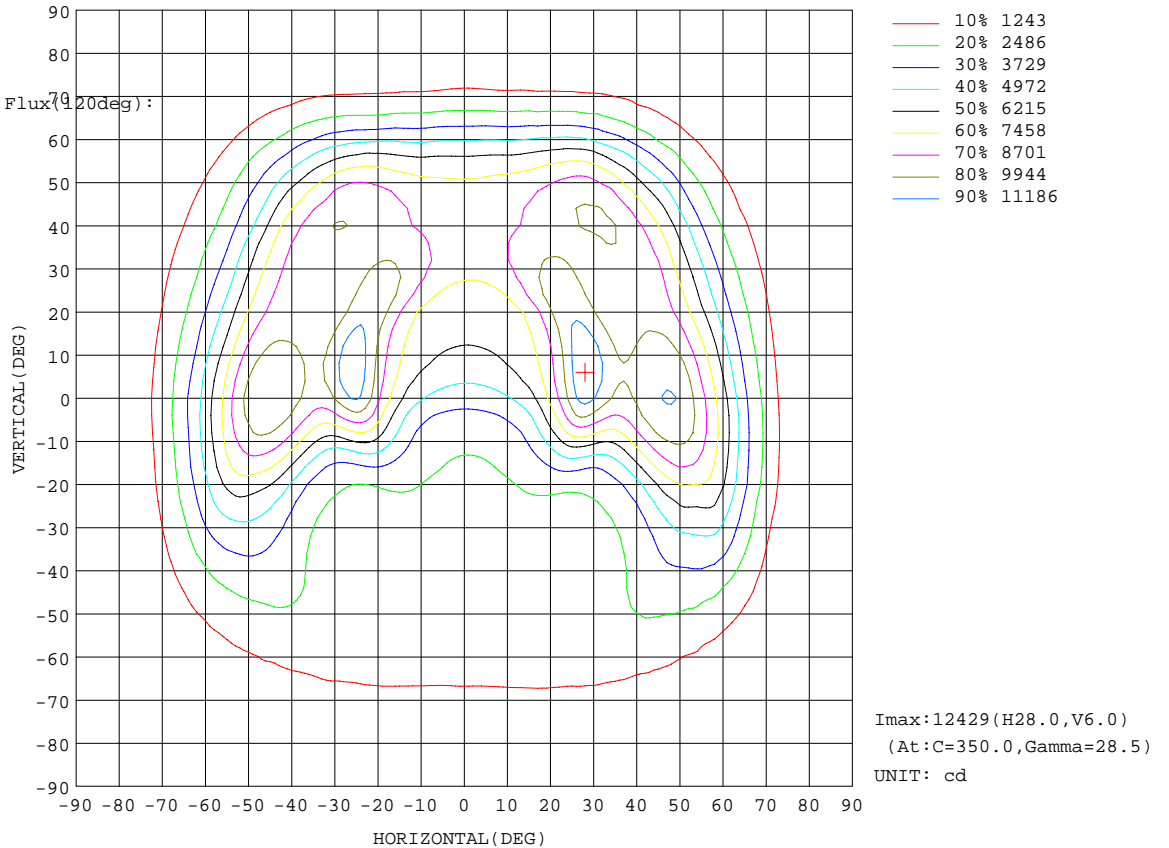
Test:U:220.9V I:0.9639A P:207.9W PF:0.9764 Lamp Flux:23077.7x1 lm		
NAME: LED SHOE BOX LIGHT	TYPE:YHL-ST9-200	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170406
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

Conical surface Flux(90deg):

11462 lm  
%lum = 49.7%  
%lamp = 49.7%

Conical surface Flux(70deg):

19119 lm  
%lum = 82.8%  
%lamp = 82.8%



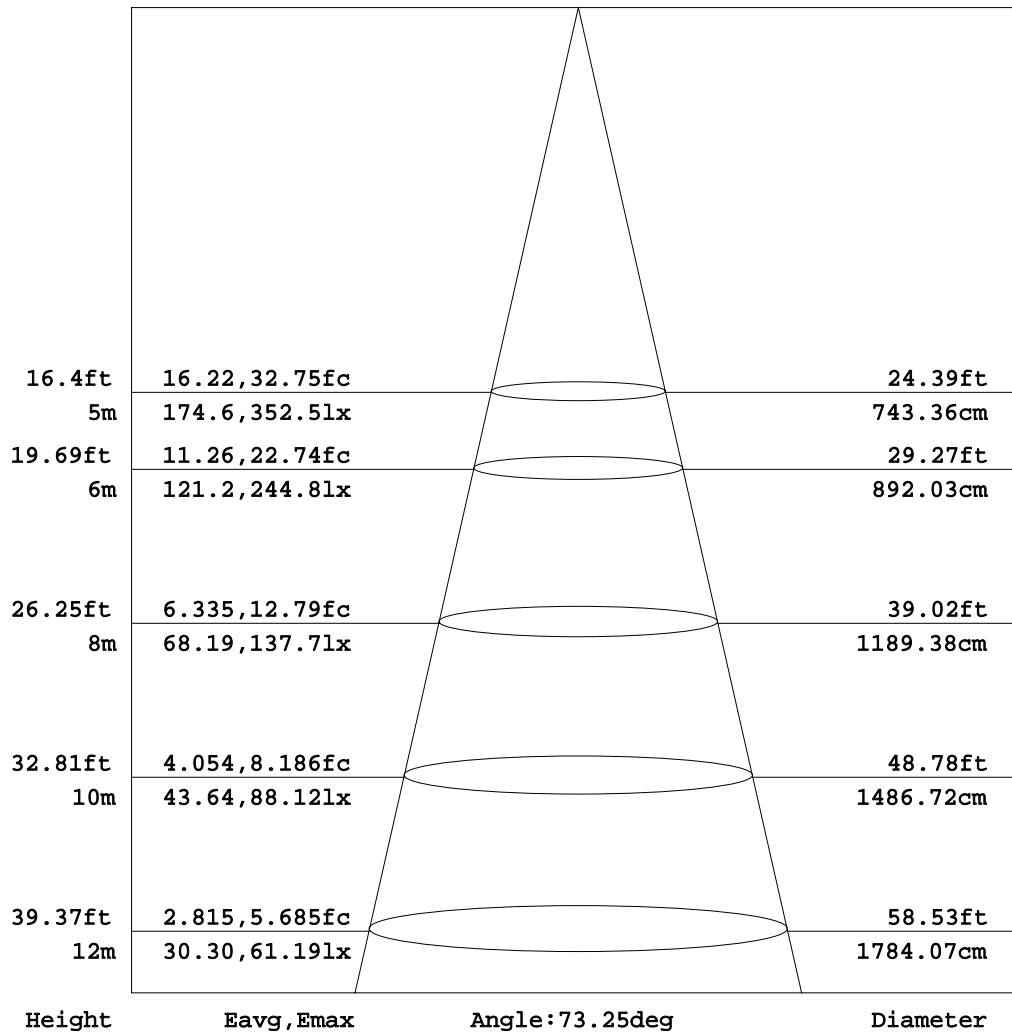
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:CHEN YU  
Test Date:2017-04-06

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:0.9639A P:207.9W PF:0.9764 Lamp Flux:23077.7x1 lm		
NAME: LED SHOE BOX LIGHT	TYPE:YHL-ST9-200	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170406
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

Flux out:7785 lm



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

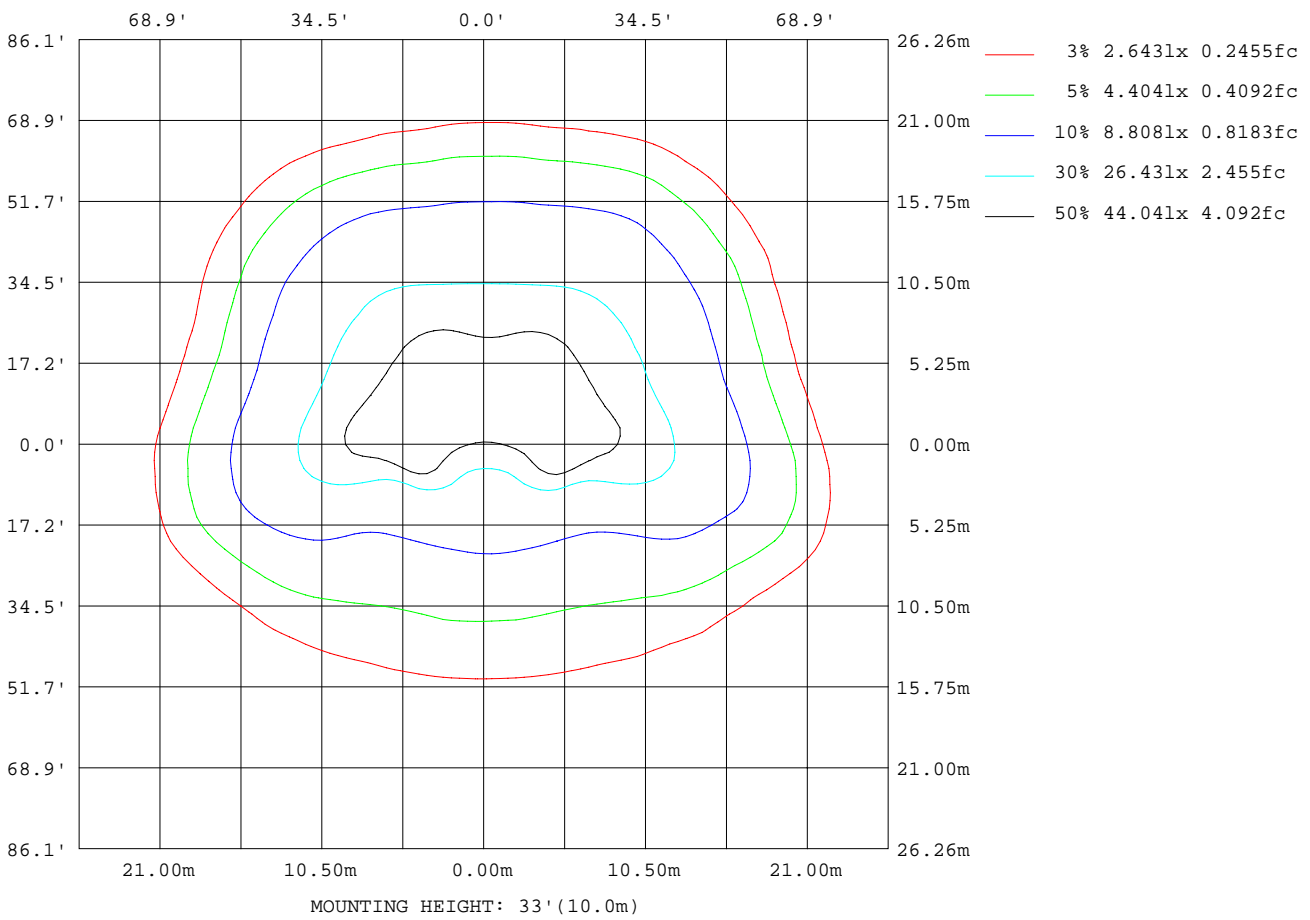
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-04-06

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**

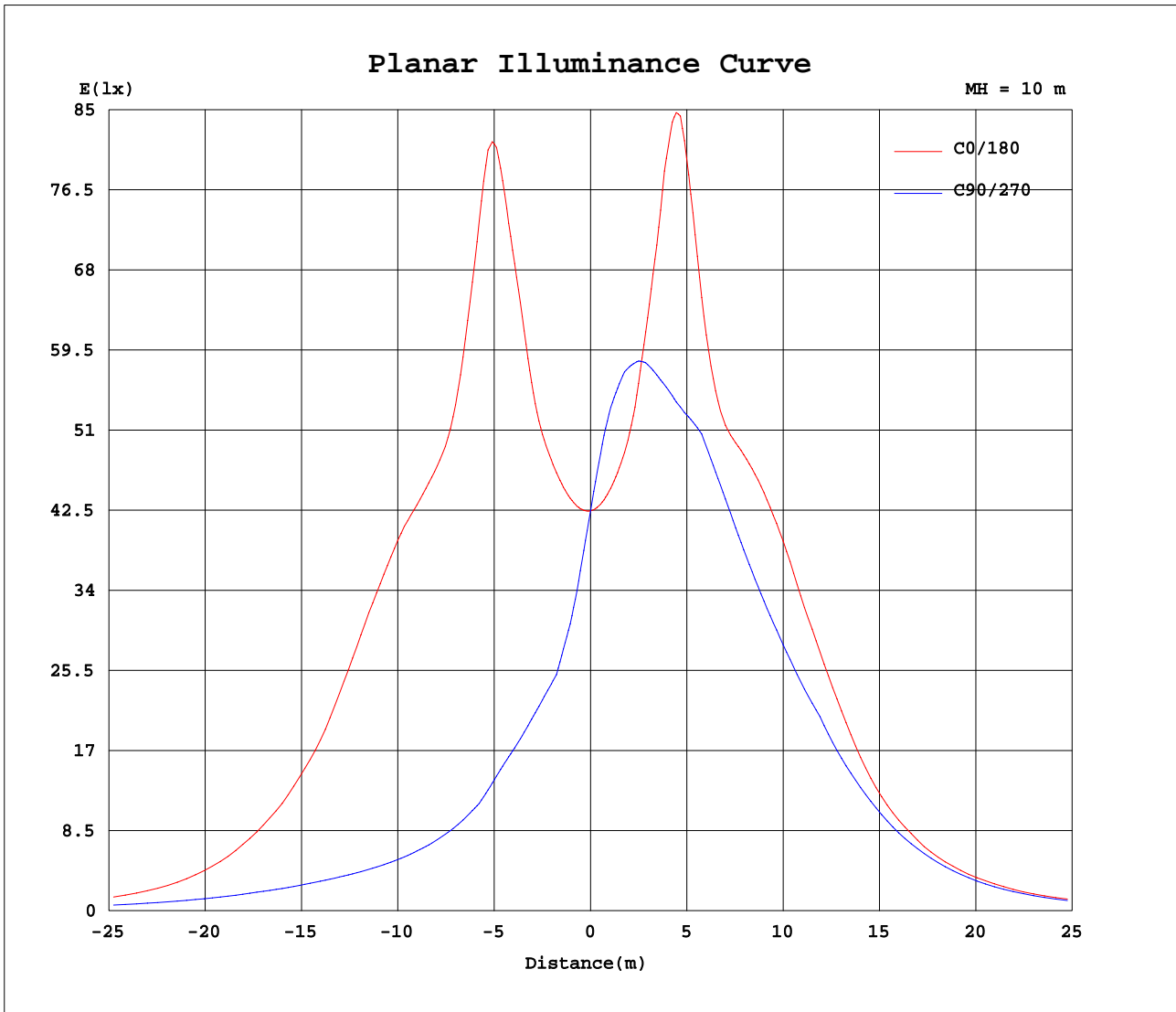
Test:U:220.9V I:0.9639A P:207.9W PF:0.9764 Lamp Flux:23077.7x1 lm		
NAME: LED SHOE BOX LIGHT	TYPE:YHL-ST9-200	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170406
MFR.:	SUR.:70Ra	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-04-06

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: 2017-04-06

$\gamma$  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:0.9639A P:207.9W PF:0.9764 Lamp Flux:23077.7x1 lm		
NAME: LED SHOE BOX LIGHT	TYPE:YHL-ST9-200	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170406
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	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424
5	438	429	419	410	400	391	382	373	365	357	350	344	339	335	332	329	327	326	326
10	487	466	444	422	399	378	359	342	327	314	303	293	284	277	271	267	264	263	262
15	577	544	509	471	436	403	372	343	316	298	285	274	264	256	250	245	242	241	241
20	778	734	683	625	563	503	445	389	346	317	294	272	255	241	232	226	222	220	220
25	1059	993	911	802	688	579	481	401	343	309	286	257	234	221	214	209	205	203	201
30	1127	1016	897	754	615	490	398	326	269	251	228	211	201	194	188	183	179	177	176
35	977	882	759	609	477	370	296	253	226	208	196	185	179	174	170	167	165	164	163
40	1010	952	823	657	489	364	290	242	215	197	185	176	169	164	161	158	157	156	156
45	1112	1065	940	748	550	397	305	248	217	197	184	173	166	162	159	156	155	154	154
50	1103	1079	974	798	607	445	336	276	235	209	193	181	172	166	162	160	159	157	156
55	903	931	889	741	596	469	373	305	261	230	210	195	182	174	170	166	163	161	161
60	670	712	713	646	515	419	348	300	265	235	214	200	186	176	170	165	161	159	158
65	401	450	480	465	406	329	272	241	219	201	186	178	165	155	150	145	140	137	137
70	209	238	242	250	226	196	170	152	144	135	130	125	120	114	112	108	105	102	102
75	77.2	92.0	89.0	96.7	92.7	86.7	81.6	77.3	75.6	72.2	69.1	67.3	68.3	66.6	65.1	65.1	61.5	57.1	57.3
80	26.0	29.5	27.1	27.0	31.1	30.1	28.8	27.8	27.3	26.4	26.7	26.9	27.4	26.8	25.8	25.0	23.4	22.7	23.0
85	7.38	6.87	7.80	8.30	8.17	7.59	6.56	7.06	7.06	6.86	6.73	6.87	6.53	5.95	5.39	5.01	4.73	4.53	4.52
90	1.16	0.00	0.00	0.00	0.00	0.00	0.00	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	γ Range: 0 - 90DEG
C Interval: 5.0DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
Temperature:25DEG	Humidity:65.0%
Operators:CHEN YU	Test Distance:9.410m [K=1.0000]
Test Date:2017-04-06	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:0.9639A P:207.9W PF:0.9764 Lamp Flux:23077.7x1 lm		
NAME: LED SHOE BOX LIGHT	TYPE:YHL-ST9-200	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170406
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	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424
5	326	328	330	332	336	340	345	352	359	368	377	386	396	406	416	427	437	447	456
10	263	266	270	275	281	290	299	310	323	336	352	371	391	414	439	463	487	509	526
15	242	246	251	258	267	278	292	307	327	353	386	419	454	493	533	576	616	651	669
20	221	224	229	238	252	270	291	312	340	382	439	506	572	644	721	792	848	896	908
25	202	204	207	211	222	240	261	279	304	346	406	483	575	683	811	931	1033	1133	1165
30	175	176	178	182	188	193	203	215	231	246	291	337	413	518	642	783	896	1002	1055
35	162	162	163	166	170	175	181	191	203	219	243	281	350	456	592	737	854	937	967
40	155	155	156	158	162	166	173	183	195	212	239	287	366	502	676	846	976	1043	1047
45	154	155	156	157	160	165	173	184	198	219	252	312	417	569	754	937	1059	1109	1086
50	158	159	161	162	165	172	182	196	213	241	285	352	452	588	750	916	1007	1033	987
55	161	164	166	169	174	182	195	211	233	264	306	361	442	544	682	784	816	803	751
60	159	160	163	167	173	180	193	208	226	251	282	318	374	447	529	564	568	545	505
65	137	138	142	146	151	155	163	172	184	193	207	236	270	314	346	352	347	340	301
70	100	102	105	109	110	113	118	117	123	128	134	147	161	175	185	188	185	181	164
75	56.8	60.1	63.7	65.1	64.4	65.9	67.0	67.1	68.3	71.1	72.9	74.6	77.6	82.2	86.0	81.2	79.8	79.7	71.2
80	22.6	22.9	24.3	25.4	26.2	27.0	26.9	27.2	27.1	27.3	28.5	30.5	31.9	32.0	30.5	29.1	27.4	28.9	28.1
85	4.50	4.61	4.77	5.08	5.48	5.92	6.23	6.08	5.94	5.81	5.62	5.17	5.82	6.22	5.99	5.35	5.78	8.41	12.8
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	0.69	0.00

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:CHEN YU  
Test Date:2017-04-06

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:0.9639A P:207.9W PF:0.9764 Lamp Flux:23077.7x1 lm		
NAME: LED SHOE BOX LIGHT	TYPE:YHL-ST9-200	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170406
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	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424
5	465	473	481	489	495	501	507	512	516	519	522	523	525	526	526	526	526	525	524
10	543	558	571	582	589	596	599	600	601	602	602	602	601	601	600	600	599	598	597
15	683	693	694	693	687	685	683	678	672	666	662	658	655	652	649	648	647	646	647
20	912	906	890	864	835	812	788	765	742	725	709	696	688	684	681	679	679	679	679
25	1183	1173	1144	1106	1064	1017	978	944	906	864	831	799	770	746	730	722	718	717	718
30	1103	1125	1137	1129	1113	1100	1092	1080	1066	1030	984	935	893	855	818	792	779	777	784
35	978	975	958	948	939	947	968	996	1019	1024	1002	968	929	883	838	807	795	796	813
40	1025	986	949	922	907	899	906	912	935	942	940	927	895	860	828	809	800	804	819
45	1040	977	940	929	933	951	964	972	971	970	947	914	879	846	820	804	798	803	817
50	919	869	846	852	878	907	935	962	980	984	954	902	849	807	786	778	775	780	792
55	691	656	652	679	718	767	797	828	846	875	853	794	733	687	665	658	654	663	678
60	460	437	430	462	491	540	598	624	646	647	624	588	547	506	489	490	486	495	505
65	275	265	270	282	321	357	385	402	412	409	387	351	324	310	297	303	304	308	309
70	151	149	149	163	180	198	211	217	222	211	194	169	152	144	134	139	147	143	142
75	67.5	66.3	67.3	70.8	77.3	86.3	91.4	90.3	89.3	89.7	85.9	82.6	82.3	82.3	81.8	84.3	88.4	85.2	84.0
80	28.0	31.2	33.2	35.3	37.5	39.7	42.2	42.4	44.3	45.5	47.9	51.6	56.5	58.8	58.4	56.6	52.6	57.1	60.6
85	13.6	14.2	14.6	14.8	14.3	16.1	18.2	19.1	20.8	23.2	22.8	21.3	20.4	19.8	18.3	16.8	15.3	17.2	19.2
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:2017-04-06

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:0.9639A P:207.9W PF:0.9764 Lamp Flux:23077.7x1 lm		
NAME: LED SHOE BOX LIGHT	TYPE:YHL-ST9-200	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170406
MFR.:	SUR.:70Ra	PROTECTION 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	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424				
5	523	521	519	517	514	510	505	499	493	487	480	472	464	456	447				
10	596	595	593	592	590	588	586	583	578	571	563	551	537	521	505				
15	648	649	650	651	653	655	658	660	659	658	655	648	638	620	600				
20	680	682	685	690	698	708	717	729	744	759	775	792	804	806	795				
25	720	729	744	760	779	803	842	875	906	943	981	1019	1057	1080	1078				
30	802	831	866	913	963	1005	1038	1078	1103	1133	1171	1212	1227	1218	1178				
35	847	892	936	980	1023	1051	1054	1044	1028	1021	1027	1036	1051	1038	1015				
40	846	885	924	954	967	971	949	927	907	903	912	940	978	1013	1031				
45	841	873	906	938	965	970	965	962	953	945	947	963	1005	1054	1097				
50	811	849	901	959	994	1006	1010	989	965	948	925	909	933	993	1057				
55	702	749	814	882	934	932	914	883	853	809	769	739	743	788	849				
60	526	573	628	694	737	723	700	666	645	605	562	532	519	552	604				
65	329	355	395	437	445	456	451	433	413	367	340	318	311	325	355				
70	155	167	190	208	224	233	227	214	205	188	175	162	158	163	177				
75	84.9	84.8	87.1	89.2	93.3	93.4	91.2	90.5	85.3	79.7	72.5	69.2	67.0	66.2	68.6				
80	60.7	58.4	54.0	49.4	46.9	45.2	43.4	43.1	41.0	37.2	34.9	32.9	30.6	28.4	27.0				
85	21.0	22.2	23.1	25.2	26.4	24.3	22.2	19.6	17.6	16.2	15.9	13.5	13.0	12.9	11.2				
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				

C Range: 0 - 360DEG      γ Range: 0 - 90DEG  
 C Interval: 5.0DEG      γ Interval: 0.5DEG  
 Test Speed: HIGH      Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Temperature:25DEG      Humidity:65.0%  
 Operators:CHEN YU      Test Distance:9.410m [K=1.0000]  
 Test Date:2017-04-06      Remarks: