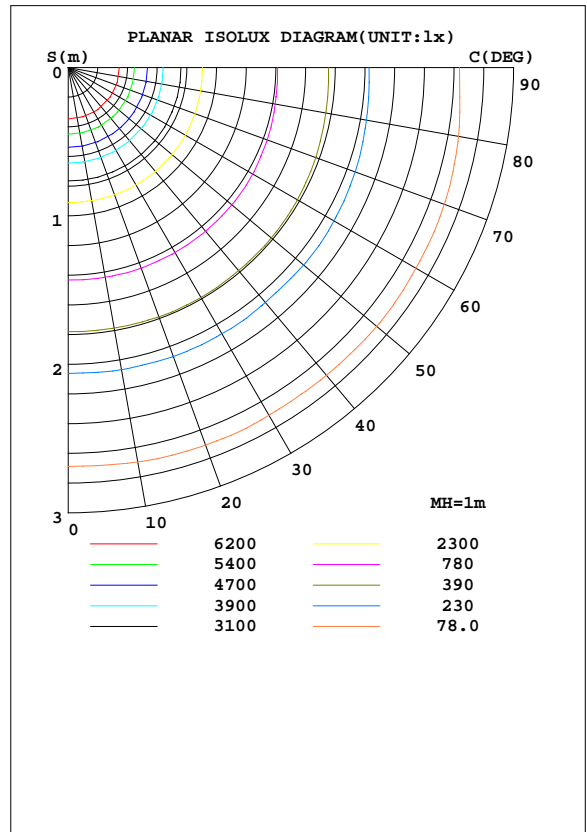
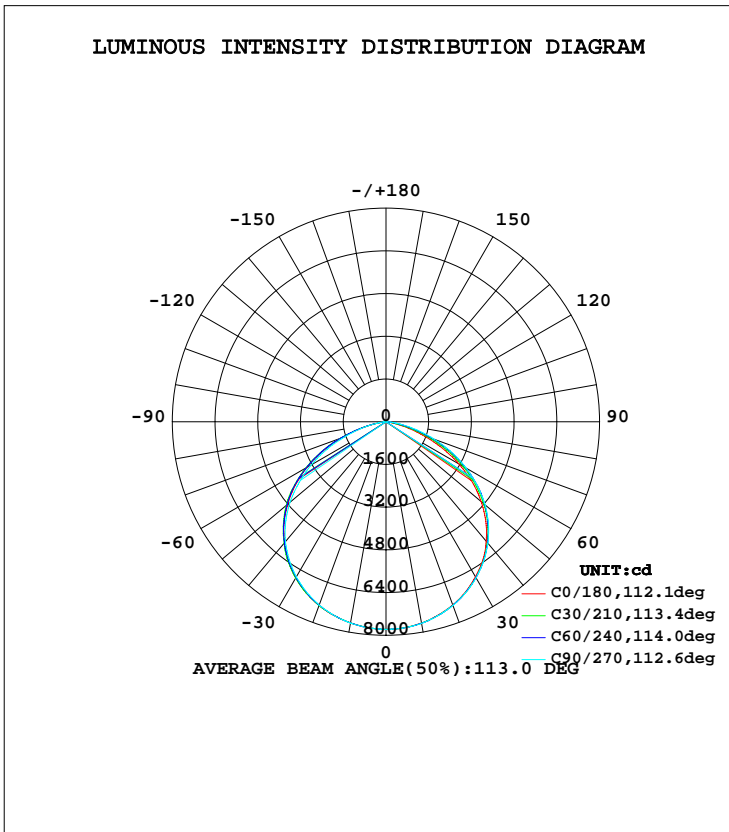


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:223.4V I:0.6755A P:146.4W PF:0.9706 Lamp Flux:21619.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-150-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170217
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 147.63 lm/W			
MODEL NF2W757GRT-V1 320PCS		Imax(cd)	7780	S/MH(C0/180)	1.28
NOMINAL POWER(W)	146.3	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	21620	η UP, DN(C0-180)	0.0, 49.3
NOMINAL FLUX(lm)	21619.9	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 50.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	1.35



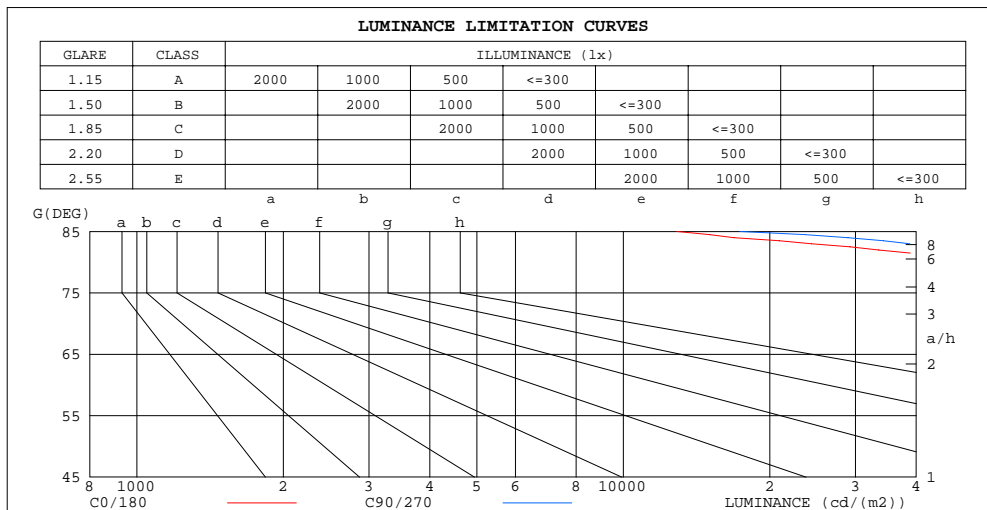
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-02-17

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:**

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	#lum,lamp
5	7743	7739	7745	7745	7749	7748	7750	7743	0- 5	185.5	185.5	0.86,0.86
10	7654	7648	7660	7653	7658	7660	7672	7657	5- 10	550.9	736.4	3.41,3.41
15	7515	7511	7510	7506	7504	7518	7520	7525	10- 15	899.8	1636	7.57,7.57
20	7322	7318	7310	7297	7305	7314	7326	7332	15- 20	1222	2858	13.2,13.2
25	7071	7068	7037	7023	7039	7053	7063	7087	20- 25	1507	4365	20.2,20.2
30	6756	6755	6714	6693	6702	6734	6753	6781	25- 30	1745	6111	28.3,28.3
35	6368	6380	6317	6295	6326	6352	6373	6410	30- 35	1928	8039	37.2,37.2
40	5904	5949	5862	5835	5839	5907	5940	5976	35- 40	2045	10084	46.6,46.6
45	5406	5452	5316	5305	5293	5405	5426	5482	40- 45	2090	12174	56.3,56.3
50	4804	4877	4696	4690	4654	4810	4850	4926	45- 50	2056	14230	65.8,65.8
55	4142	4225	3975	3977	3951	4134	4171	4297	50- 55	1937	16167	74.8,74.8
60	3403	3470	3238	3190	3145	3369	3466	3571	55- 60	1729	17897	82.8,82.8
65	2594	2638	2439	2375	2307	2575	2721	2781	60- 65	1443	19339	89.5,89.5
70	1766	1831	1610	1555	1465	1785	1931	1997	65- 70	1093	20432	94.5,94.5
75	972.8	1020	913.2	775.6	734.0	1001	1202	1234	70- 75	710.5	21142	97.8,97.8
80	338.2	354.5	344.7	243.4	194.2	405.1	570.1	559.4	75- 80	357.9	21500	99.4,99.4
85	39.28	55.38	52.96	39.69	32.15	84.88	123.3	157.2	80- 85	111.5	21612	100,100
90	1.984	0	0	0	2.987	0	0	0	85- 90	8.355	21620	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:cd								UNIT:lm			



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	12876	17363
80	55639	56714
75	107394	100809
70	147530	134478
65	175339	164899
60	194434	185030
55	206301	198021
50	213532	208753
45	218426	214815

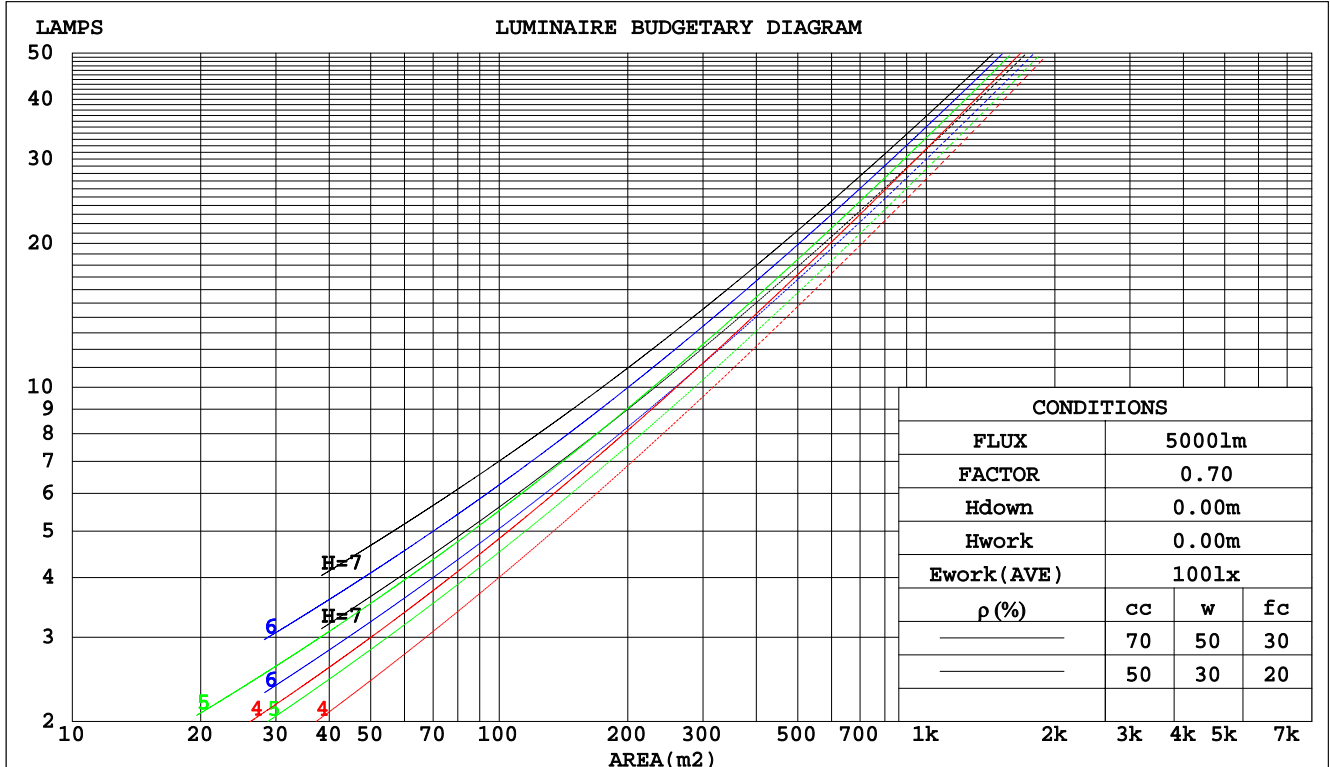
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: CHEN YU  
 Test Date: 2017-02-17

$\gamma$  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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:223.4V I:0.6755A P:146.4W PF:0.9706 Lamp Flux:21619.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-150-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170217
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	1.00
1.0	1.05	1.01	.98	1.03	.99	.96	.99	.96	.93	.95	.92	.90	.91	.89	.88	.85
2.0	.92	.86	.80	.90	.84	.79	.87	.82	.77	.83	.79	.76	.80	.77	.74	.72
3.0	.81	.73	.67	.80	.72	.66	.77	.70	.65	.74	.68	.64	.71	.67	.63	.61
4.0	.72	.63	.57	.71	.63	.56	.68	.61	.56	.66	.60	.55	.64	.58	.54	.52
5.0	.64	.55	.49	.63	.55	.49	.61	.54	.48	.59	.53	.48	.57	.52	.47	.45
6.0	.58	.49	.43	.57	.49	.42	.55	.48	.42	.53	.47	.42	.52	.46	.41	.39
7.0	.52	.44	.38	.52	.43	.38	.50	.43	.37	.49	.42	.37	.47	.41	.37	.35
8.0	.48	.39	.34	.47	.39	.33	.46	.38	.33	.45	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.30	.28
10.0	.40	.33	.27	.40	.32	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-02-17

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:223.4V I:0.6755A P:146.4W PF:0.9706 Lamp Flux:21619.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-150-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170217
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	.285	.162	.051	.278	.159	.050	.265	.152	.049	.253	.146	.047	.242	.140	.045	
2.0	.276	.151	.046	.269	.148	.046	.258	.143	.045	.247	.139	.043	.237	.134	.042	
3.0	.259	.138	.041	.253	.136	.041	.243	.132	.040	.234	.128	.039	.225	.125	.039	
4.0	.241	.125	.037	.236	.124	.037	.227	.121	.036	.219	.118	.035	.211	.115	.035	
5.0	.225	.114	.033	.220	.113	.033	.212	.111	.033	.205	.108	.032	.198	.106	.032	
6.0	.209	.105	.030	.206	.104	.030	.198	.102	.030	.192	.100	.029	.185	.098	.029	
7.0	.195	.097	.027	.192	.096	.027	.186	.094	.027	.180	.092	.027	.174	.090	.027	
8.0	.183	.089	.025	.180	.089	.025	.174	.087	.025	.169	.086	.025	.164	.084	.024	
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.159	.080	.023	.155	.079	.023	
10.0	.162	.078	.022	.160	.077	.021	.155	.076	.021	.150	.075	.021	.146	.074	.021	

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	.170	.132	.100	.146	.114	.086	.100	.079	.060	.058	.046	.035	.018	.015	.012	
3.0	.162	.114	.076	.139	.099	.066	.096	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.155	.101	.059	.133	.087	.052	.091	.061	.036	.053	.036	.022	.017	.012	.007	
5.0	.148	.090	.048	.127	.078	.042	.087	.055	.030	.051	.032	.018	.016	.010	.006	
6.0	.141	.082	.040	.121	.071	.035	.083	.050	.024	.048	.029	.015	.016	.010	.005	
7.0	.134	.075	.034	.115	.065	.029	.080	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.128	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.064	.025	.105	.056	.022	.073	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-02-17

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:223.4V I:0.6755A P:146.4W PF:0.9706 Lamp Flux:21619.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-150-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170217
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	31.6	33.1	31.8	33.3	33.5	31.4	32.9	31.7	33.1	33.3
3H	32.7	34.1	33.0	34.3	34.6	32.5	33.9	32.8	34.1	34.4
4H	33.0	34.3	33.3	34.6	34.8	32.8	34.1	33.1	34.4	34.6
6H	33.1	34.3	33.4	34.6	34.8	32.9	34.1	33.2	34.4	34.7
8H	33.0	34.2	33.4	34.5	34.8	32.9	34.0	33.2	34.3	34.6
12H	33.0	34.1	33.3	34.4	34.7	32.8	34.0	33.2	34.2	34.5
4H 2H	32.1	33.4	32.4	33.6	33.9	32.0	33.3	32.3	33.5	33.8
3H	33.4	34.5	33.7	34.8	35.1	33.2	34.4	33.6	34.7	35.0
4H	33.8	34.8	34.1	35.1	35.4	33.6	34.6	34.0	35.0	35.3
6H	33.9	34.8	34.3	35.1	35.5	33.8	34.7	34.2	35.0	35.4
8H	33.9	34.7	34.3	35.1	35.4	33.8	34.6	34.2	35.0	35.3
12H	33.8	34.6	34.2	35.0	35.4	33.7	34.5	34.2	34.9	35.3
8H 4H	33.9	34.7	34.3	35.1	35.5	33.7	34.6	34.1	34.9	35.3
6H	34.0	34.7	34.5	35.1	35.5	33.9	34.6	34.4	35.0	35.4
8H	34.0	34.6	34.5	35.0	35.5	33.9	34.6	34.4	35.0	35.4
12H	34.0	34.5	34.5	35.0	35.4	33.9	34.4	34.4	34.9	35.4
12H 4H	33.8	34.6	34.3	35.0	35.4	33.7	34.5	34.1	34.9	35.3
6H	34.0	34.6	34.5	35.0	35.5	33.9	34.5	34.4	34.9	35.4
8H	34.0	34.5	34.5	35.0	35.4	33.9	34.5	34.4	34.9	35.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
1.5H	+ 0.3 / - 0.5					+ 0.3 / - 0.5				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.5				

CIE Pub.117 Corrected 21620 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.7)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-02-17

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:223.4V I:0.6755A P:146.4W PF:0.9706 Lamp Flux:21619.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-150-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170217
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	58	47	40	58	47	40	56	46	40	33
0.80	69	57	50	68	57	50	66	56	50	43
1.00	77	67	60	76	66	59	74	67	59	52
1.25	85	75	68	83	74	67	81	72	67	59
1.50	90	80	74	88	79	73	85	78	72	65
2.00	96	88	82	95	87	82	91	85	80	72
2.50	100	93	87	98	92	86	94	89	84	76
3.00	103	97	92	101	96	91	97	93	89	80
4.00	107	102	98	105	100	96	101	97	94	85
5.00	110	105	101	107	103	100	103	100	97	88
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:2017-02-17

$\gamma$  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**

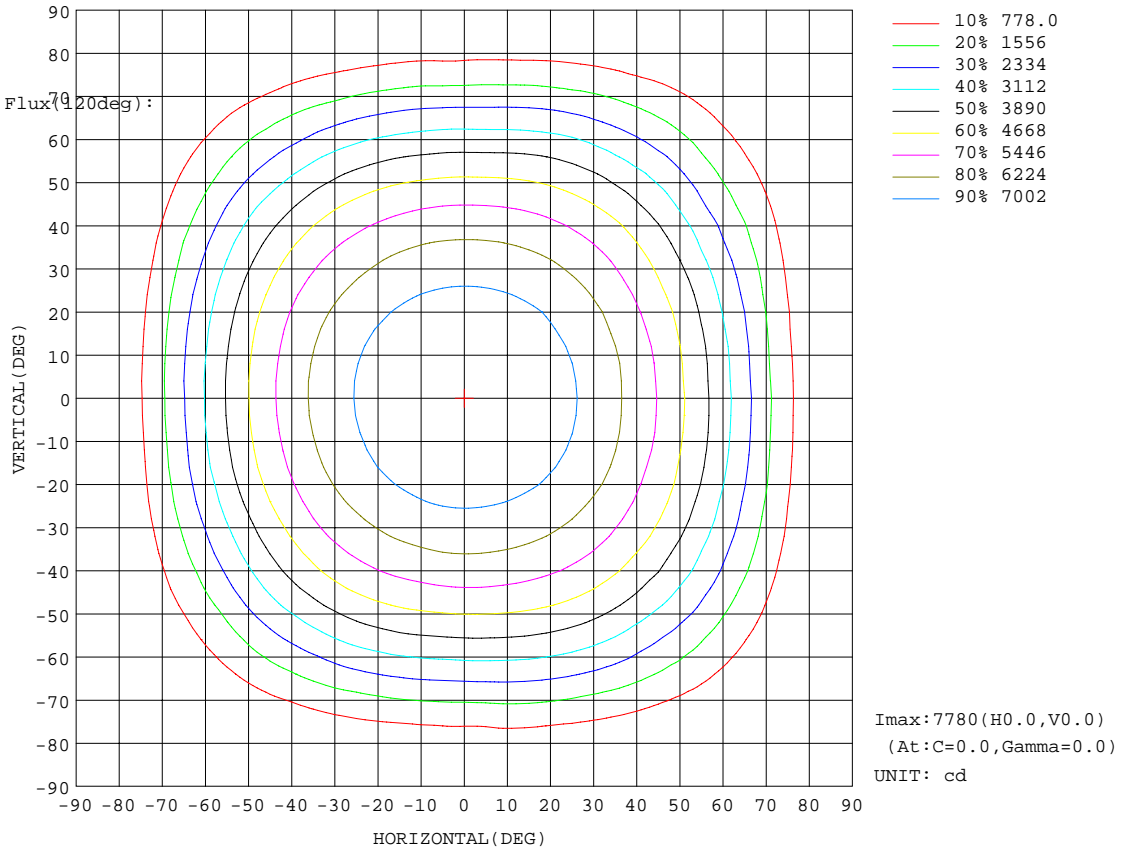
Test:U:223.4V I:0.6755A P:146.4W PF:0.9706 Lamp Flux:21619.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-150-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170217
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

Conical surface Flux(90deg):

12174 lm  
%lum = 56.3%  
%lamp = 56.3%

Conical surface Flux(70deg):

17897 lm  
%lum = 82.8%  
%lamp = 82.8%



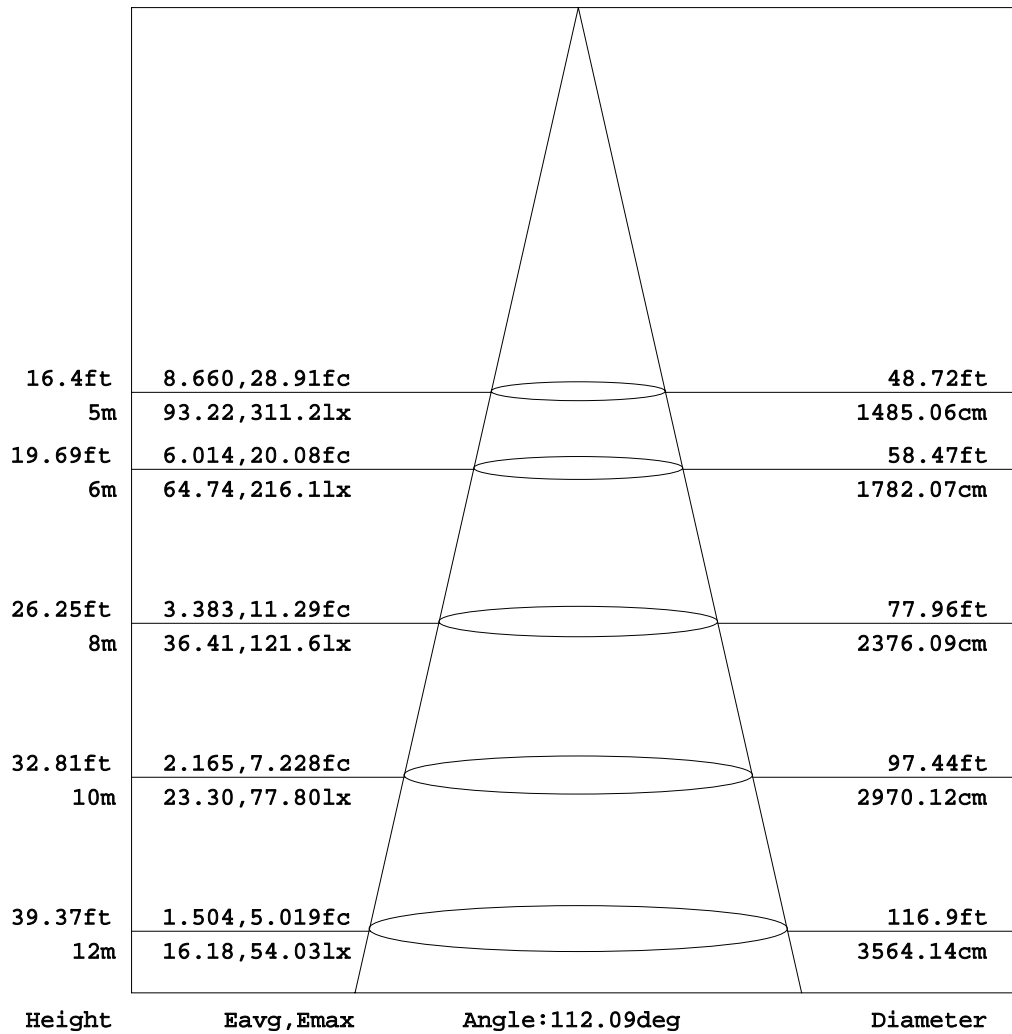
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators: CHEN YU  
Test Date: 2017-02-17

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:223.4V I:0.6755A P:146.4W PF:0.9706 Lamp Flux:21619.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-150-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170217
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

Flux out:16712 lm



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

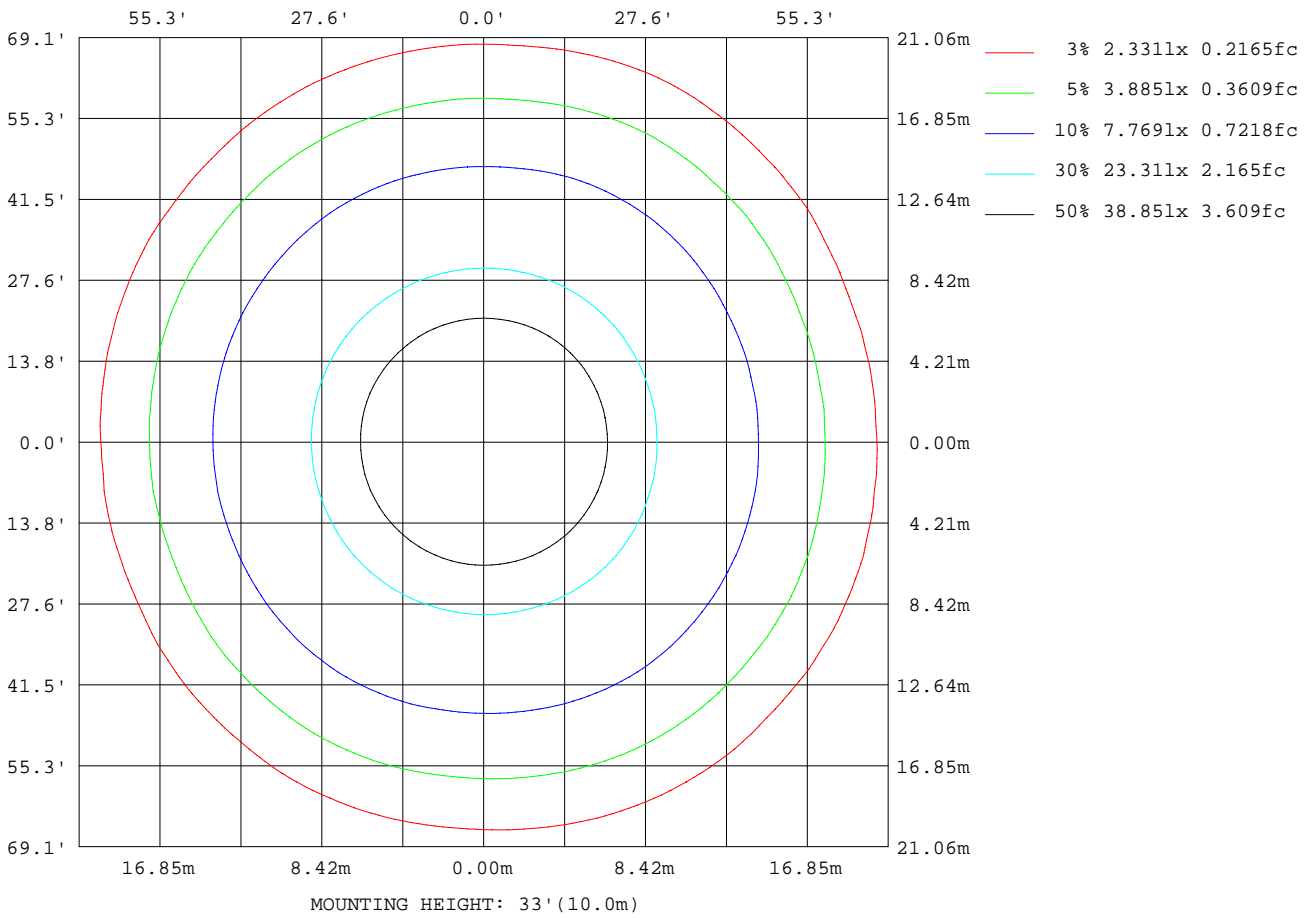
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-02-17

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**

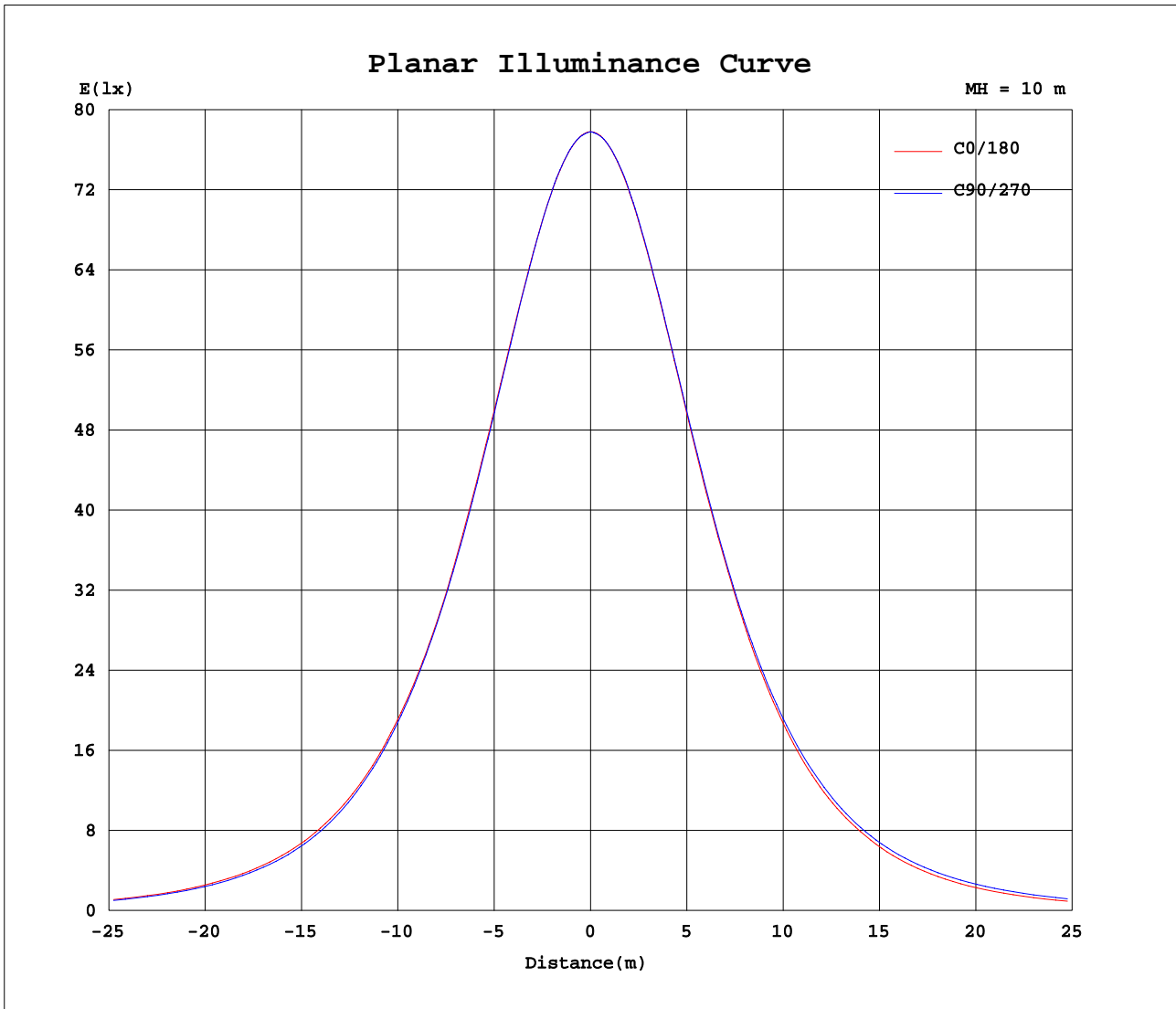
Test:U:223.4V I:0.6755A P:146.4W PF:0.9706 Lamp Flux:21619.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-150-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170217
MFR.:	SUR.:70Ra	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-02-17

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: 2017-02-17

$\gamma$  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:223.4V I:0.6755A P:146.4W PF:0.9706 Lamp Flux:21619.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-150-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170217
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

Table--1

UNIT: cd

C( DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780
5	7743	7740	7738	7737	7736	7736	7736	7737	7738	7739	7740	7742	7742	7742	7742	7743	7744	7744	7745
10	7654	7650	7647	7647	7648	7649	7649	7650	7649	7648	7648	7649	7651	7653	7655	7657	7658	7659	7660
15	7515	7511	7510	7512	7512	7511	7510	7511	7515	7511	7508	7507	7508	7509	7510	7509	7509	7509	7510
20	7322	7317	7320	7322	7321	7324	7327	7320	7319	7318	7316	7312	7310	7308	7308	7308	7309	7310	7310
25	7071	7068	7073	7075	7080	7079	7076	7075	7072	7068	7069	7061	7053	7047	7045	7042	7039	7037	7037
30	6756	6751	6755	6758	6762	6762	6764	6764	6765	6755	6749	6741	6734	6728	6723	6720	6717	6716	6714
35	6368	6365	6371	6383	6386	6389	6393	6386	6381	6380	6377	6377	6362	6349	6340	6332	6324	6319	6317
40	5904	5912	5923	5918	5929	5942	5939	5944	5948	5949	5939	5931	5920	5904	5891	5881	5872	5867	5862
45	5406	5408	5431	5410	5415	5426	5439	5452	5452	5452	5442	5434	5415	5392	5373	5356	5339	5327	5316
50	4804	4815	4834	4851	4867	4867	4881	4855	4871	4877	4864	4859	4837	4811	4784	4754	4728	4710	4696
55	4142	4161	4184	4198	4199	4206	4211	4230	4227	4225	4222	4217	4187	4147	4107	4067	4024	3997	3975
60	3403	3408	3412	3446	3467	3475	3472	3466	3456	3470	3465	3453	3435	3406	3373	3336	3294	3267	3238
65	2594	2602	2629	2650	2665	2670	2673	2667	2641	2638	2668	2675	2649	2627	2599	2560	2517	2473	2439
70	1766	1773	1794	1817	1818	1833	1817	1816	1827	1831	1844	1838	1817	1811	1793	1763	1716	1649	1610
75	973	988	1013	1018	1000	996	1018	1022	1014	1020	1025	1023	1019	1018	1017	1022	1000	930	913
80	338	357	358	349	360	358	352	360	352	355	375	382	388	394	395	395	394	356	345
85	39.3	35.9	37.2	35.6	35.0	35.0	27.5	34.0	43.6	55.4	60.2	63.7	67.2	68.2	66.7	63.3	61.0	54.8	53.0
90	1.98	0.00	0.00	0.00	0.00	0.00	0.00	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:2017-02-17

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:223.4V I:0.6755A P:146.4W PF:0.9706 Lamp Flux:21619.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-150-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170217
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780
5	7745	7745	7745	7745	7746	7746	7746	7746	7745	7744	7743	7743	7743	7743	7744	7745	7747	7749	7747
10	7660	7659	7658	7657	7656	7655	7653	7653	7653	7654	7655	7654	7655	7653	7652	7652	7654	7658	7655
15	7509	7510	7510	7510	7509	7507	7505	7505	7506	7507	7502	7501	7502	7502	7503	7499	7500	7504	7502
20	7309	7308	7305	7302	7298	7296	7296	7297	7297	7296	7296	7301	7298	7297	7300	7300	7299	7305	7304
25	7036	7035	7033	7029	7023	7020	7021	7024	7023	7027	7029	7027	7026	7026	7027	7032	7032	7039	7040
30	6711	6708	6701	6693	6688	6690	6695	6698	6693	6697	6694	6700	6700	6698	6697	6701	6698	6702	6709
35	6314	6310	6304	6297	6297	6302	6305	6295	6295	6298	6298	6302	6304	6306	6308	6310	6318	6326	6336
40	5857	5847	5835	5833	5837	5841	5840	5833	5835	5834	5833	5826	5823	5826	5824	5831	5844	5839	5852
45	5307	5298	5293	5299	5306	5310	5311	5303	5305	5299	5289	5269	5263	5260	5269	5264	5278	5293	5312
50	4683	4677	4685	4693	4699	4709	4711	4696	4690	4660	4652	4633	4629	4632	4642	4642	4652	4654	4684
55	3961	3964	3990	4000	4005	4015	4008	3995	3977	3961	3944	3916	3904	3904	3923	3941	3938	3951	3970
60	3214	3223	3233	3244	3241	3248	3232	3205	3190	3187	3169	3124	3097	3085	3109	3136	3139	3145	3176
65	2425	2433	2441	2444	2447	2447	2414	2389	2375	2361	2337	2300	2265	2258	2262	2292	2281	2307	2352
70	1613	1616	1624	1612	1606	1616	1607	1582	1555	1531	1489	1435	1410	1420	1434	1460	1449	1465	1505
75	913	896	876	875	868	855	839	794	776	774	744	715	683	671	707	722	719	734	762
80	331	315	326	317	311	299	286	265	243	220	211	190	187	180	178	186	191	194	206
85	51.3	50.3	52.9	52.4	50.8	49.4	46.6	44.4	39.7	31.7	26.1	26.1	28.6	28.6	29.0	29.7	29.6	32.2	34.2
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	2.99	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:2017-02-17	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:223.4V I:0.6755A P:146.4W PF:0.9706 Lamp Flux:21619.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-150-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170217
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

Table--3

UNIT: cd

C( DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780
5	7746	7745	7744	7744	7745	7746	7747	7748	7749	7750	7750	7750	7750	7750	7750	7750	7750	7749	7749
10	7654	7655	7657	7659	7659	7661	7660	7660	7660	7661	7663	7665	7667	7669	7671	7671	7672	7671	7670
15	7504	7510	7512	7513	7513	7516	7520	7518	7516	7515	7516	7517	7518	7517	7518	7519	7520	7519	7520
20	7309	7312	7311	7312	7316	7311	7312	7314	7315	7315	7315	7317	7318	7319	7322	7325	7326	7327	7327
25	7049	7052	7056	7058	7058	7058	7055	7053	7059	7059	7058	7059	7061	7063	7062	7062	7063	7065	7067
30	6721	6725	6732	6736	6739	6737	6740	6734	6737	6739	6741	6741	6743	6745	6748	6750	6753	6754	6756
35	6343	6352	6356	6358	6358	6354	6354	6352	6352	6362	6366	6367	6369	6373	6371	6372	6373	6377	6382
40	5856	5869	5889	5898	5902	5909	5906	5907	5906	5915	5924	5925	5926	5929	5932	5937	5940	5945	5951
45	5325	5345	5362	5374	5382	5389	5397	5405	5400	5406	5407	5409	5413	5417	5418	5423	5426	5431	5443
50	4699	4724	4738	4762	4777	4791	4797	4810	4818	4829	4833	4836	4839	4837	4839	4847	4850	4856	4872
55	3993	4016	4039	4049	4076	4087	4110	4134	4151	4178	4186	4187	4189	4180	4169	4172	4171	4181	4216
60	3207	3243	3260	3289	3323	3340	3346	3369	3409	3434	3445	3459	3459	3454	3456	3470	3466	3466	3498
65	2381	2404	2441	2479	2512	2531	2546	2575	2604	2650	2674	2696	2709	2719	2719	2722	2721	2728	2767
70	1544	1579	1584	1617	1674	1716	1743	1785	1832	1853	1863	1897	1915	1935	1944	1928	1931	1952	1986
75	775	794	826	861	903	948	974	1001	1051	1083	1103	1141	1172	1201	1219	1194	1202	1232	1252
80	220	242	265	292	313	349	377	405	440	469	489	517	525	559	576	555	570	590	602
85	35.0	35.9	37.8	42.7	41.5	53.3	68.2	84.9	97.5	109	116	120	120	123	125	120	123	127	139
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:2017-02-17

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:223.4V I:0.6755A P:146.4W PF:0.9706 Lamp Flux:21619.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-150-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170217
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780	7780				
5	7748	7748	7747	7747	7746	7745	7743	7741	7740	7739	7738	7738	7738	7739	7741				
10	7668	7666	7664	7662	7660	7658	7657	7656	7656	7654	7653	7651	7649	7649	7651				
15	7521	7522	7522	7521	7521	7523	7525	7528	7522	7518	7516	7515	7514	7510	7511				
20	7328	7327	7327	7327	7329	7331	7332	7331	7330	7335	7328	7322	7320	7318	7316				
25	7070	7072	7073	7078	7086	7092	7087	7082	7074	7072	7078	7078	7070	7067	7064				
30	6758	6759	6763	6769	6774	6779	6781	6787	6775	6761	6755	6758	6756	6752	6749				
35	6389	6393	6400	6408	6417	6414	6410	6413	6405	6399	6384	6375	6386	6373	6365				
40	5959	5967	5975	5985	5987	5978	5976	5971	5960	5949	5948	5923	5915	5912	5901				
45	5458	5471	5483	5486	5491	5486	5482	5473	5453	5429	5417	5407	5402	5418	5396				
50	4893	4914	4929	4929	4932	4926	4926	4911	4892	4864	4843	4823	4816	4821	4788				
55	4263	4296	4315	4320	4321	4309	4297	4267	4239	4199	4175	4174	4165	4147	4145				
60	3543	3585	3622	3633	3614	3587	3571	3547	3511	3466	3419	3397	3389	3383	3396				
65	2814	2854	2875	2870	2841	2818	2781	2759	2730	2654	2602	2583	2592	2584	2581				
70	2032	2066	2077	2079	2053	2026	1997	1965	1910	1831	1785	1757	1753	1750	1730				
75	1282	1288	1295	1307	1296	1261	1234	1201	1135	1067	1016	998	999	979	948				
80	617	648	644	630	624	583	559	530	501	470	417	393	383	362	338				
85	153	167	177	183	184	171	157	136	117	89.7	78.0	64.1	55.5	47.8	42.3				
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  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2017-02-17

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: