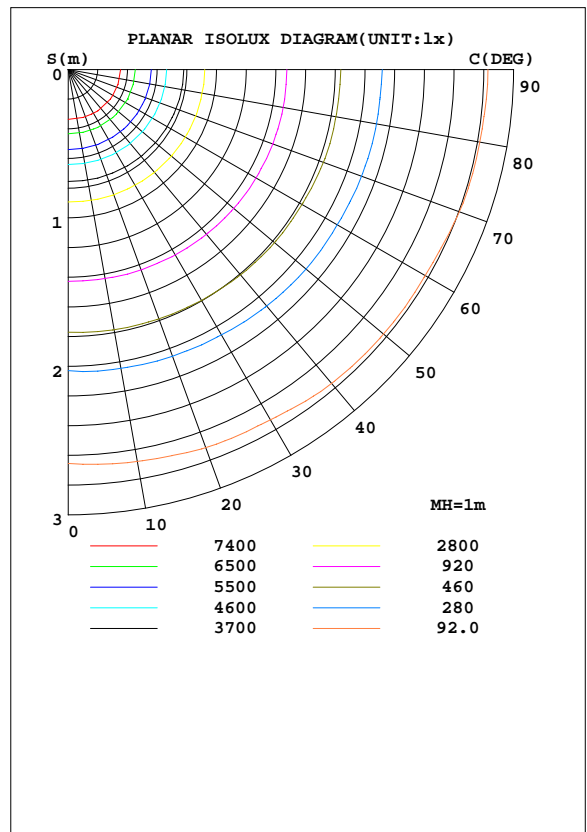
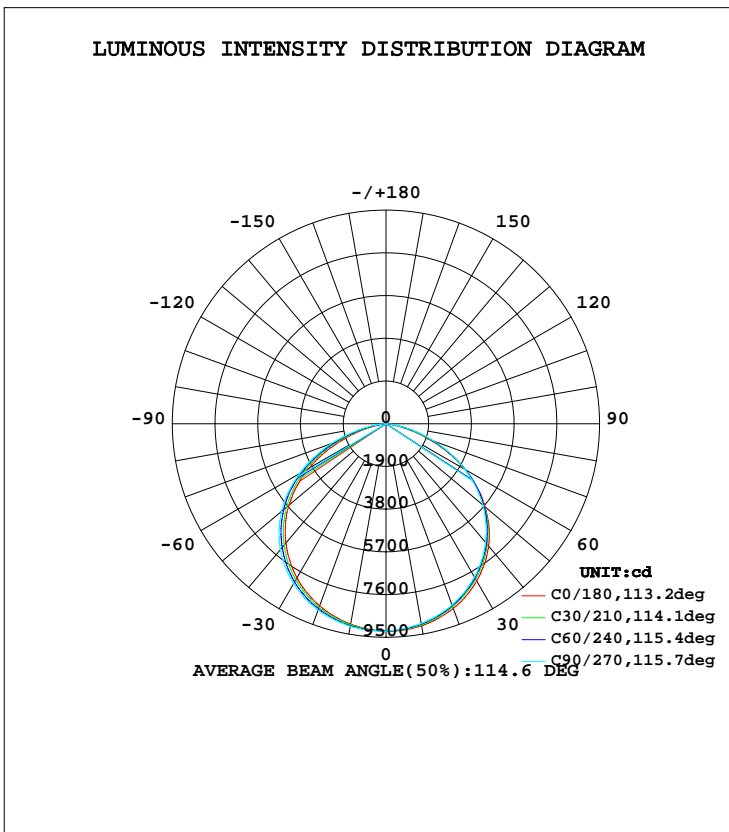


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:223.3V I:0.8348A P:178.7W PF:0.9584 Lamp Flux:26104.1x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-180-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170220
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.09 lm/W			
MODEL NF2W757GRT-V1 380PCS		Imax(cd)	9228	S/MH(C0/180)	1.30
NOMINAL POWER(W)	177	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	26104	η UP, DN(C0-180)	0.0, 51.0
NOMINAL FLUX(lm)	26104.1	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 49.0
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



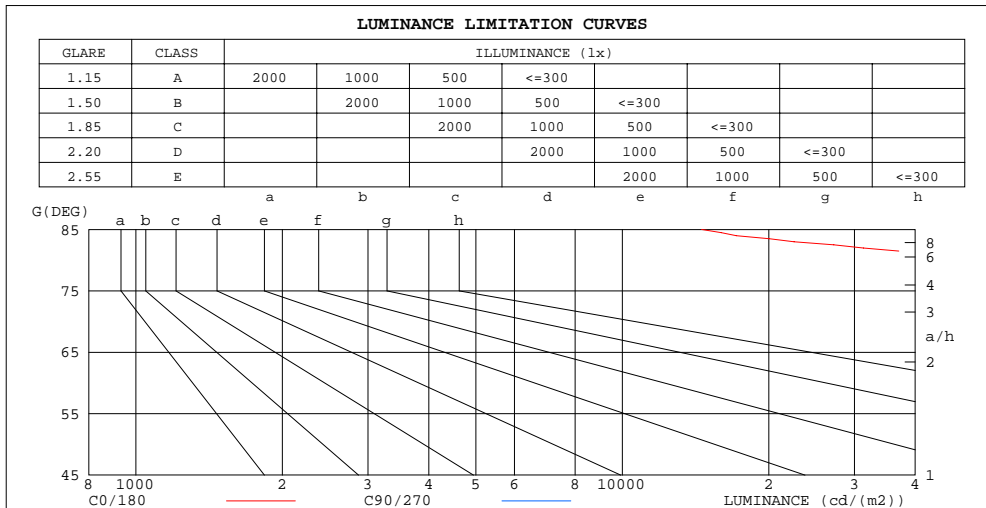
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2017-02-20

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	Φ lum, lamp
5	9167	9190	9214	9217	9212	9170	9143	9137	0- 5	219.9	219.9	0.84,0.84
10	9048	9098	9153	9145	9126	9060	9022	9002	5- 10	653.1	873.1	3.34,3.34
15	8869	8951	9012	9011	8964	8887	8830	8815	10- 15	1067	1940	7.43,7.43
20	8622	8726	8824	8810	8742	8641	8584	8553	15- 20	1450	3391	13,13
25	8302	8434	8554	8524	8445	8323	8258	8220	20- 25	1790	5181	19.8,19.8
30	7917	8071	8219	8179	8071	7942	7874	7818	25- 30	2074	7255	27.8,27.8
35	7452	7635	7799	7757	7627	7492	7415	7350	30- 35	2293	9548	36.6,36.6
40	6925	7121	7316	7250	7103	6970	6896	6805	35- 40	2437	11985	45.9,45.9
45	6321	6524	6724	6634	6477	6383	6288	6183	40- 45	2497	14482	55.5,55.5
50	5632	5873	6073	5940	5753	5722	5633	5502	45- 50	2466	16947	64.9,64.9
55	4837	5112	5301	5141	4946	4949	4871	4710	50- 55	2338	19285	73.9,73.9
60	3943	4258	4449	4240	4040	4088	4059	3875	55- 60	2105	21390	81.9,81.9
65	2985	3343	3526	3282	3065	3177	3192	2976	60- 65	1779	23169	88.8,88.8
70	1963	2369	2579	2278	2038	2238	2274	2058	65- 70	1372	24541	94,94
75	1056	1394	1604	1310	1100	1323	1382	1193	70- 75	915.9	25457	97.5,97.5
80	340.0	538.7	764.9	500.0	356.8	559.9	630.2	496.7	75- 80	479.9	25937	99.4,99.4
85	44.40	96.08	146.3	78.53	29.30	133.7	127.6	128.2	80- 85	156.9	26093	100,100
90	2.291	0	0	0	3.362	0	0	0	85- 90	10.69	26104	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	14555	47964
80	55939	125851
75	116532	177031
70	164006	215415
65	201805	238375
60	225311	254246
55	240939	264068
50	250322	269948
45	255416	271684

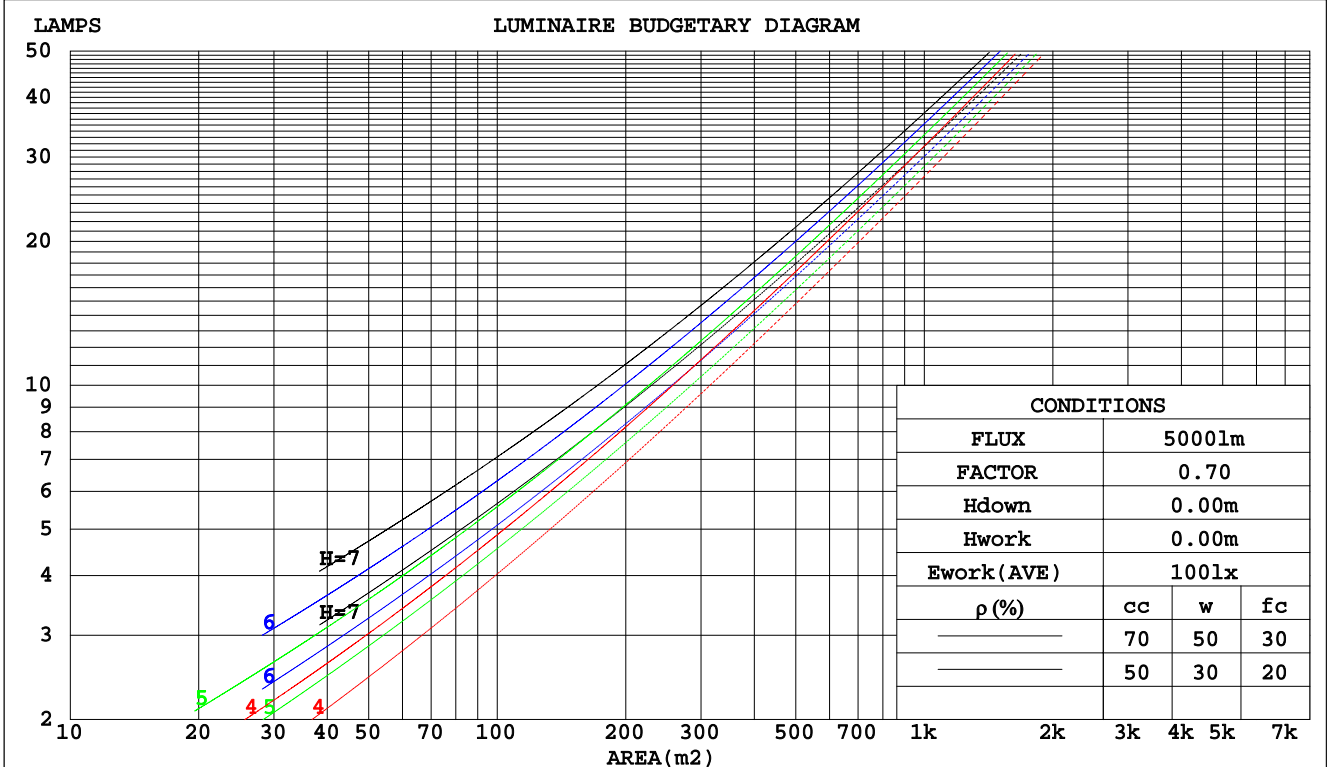
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:CHEN YU
Test Date:2017-02-20

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:223.3V I:0.8348A P:178.7W PF:0.9584 Lamp Flux:26104.1x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-180-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170220
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																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	1.03	.99	.96	.98	.95	.93	.95	.92	.90	.91	.89	.87	.85
2.0	.92	.85	.80	.90	.84	.79	.86	.81	.77	.83	.79	.75	.80	.77	.73	.71
3.0	.81	.73	.66	.79	.72	.66	.76	.70	.65	.73	.68	.63	.71	.66	.62	.60
4.0	.71	.63	.56	.70	.62	.56	.68	.61	.55	.65	.59	.54	.63	.58	.54	.51
5.0	.64	.55	.48	.63	.54	.48	.61	.53	.48	.59	.52	.47	.57	.51	.47	.44
6.0	.57	.49	.42	.56	.48	.42	.55	.47	.42	.53	.46	.41	.51	.45	.41	.39
7.0	.52	.43	.37	.51	.43	.37	.50	.42	.37	.48	.42	.36	.47	.41	.36	.34
8.0	.47	.39	.33	.47	.39	.33	.45	.38	.33	.44	.37	.33	.43	.37	.32	.30
9.0	.43	.35	.30	.43	.35	.30	.42	.35	.30	.41	.34	.29	.40	.34	.29	.27
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.26	.25



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2017-02-20

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:223.3V I:0.8348A P:178.7W PF:0.9584 Lamp Flux:26104.1x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-180-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170220
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	.289	.164	.052	.282	.161	.051	.269	.154	.049	.257	.148	.048	.246	.142	.046	
2.0	.279	.153	.047	.273	.150	.046	.261	.145	.045	.250	.140	.044	.241	.136	.043	
3.0	.261	.139	.042	.256	.137	.041	.246	.133	.040	.236	.129	.040	.227	.126	.039	
4.0	.243	.126	.037	.238	.125	.037	.229	.122	.036	.221	.119	.036	.213	.116	.035	
5.0	.226	.115	.033	.222	.114	.033	.214	.111	.033	.206	.109	.032	.199	.106	.032	
6.0	.211	.106	.030	.207	.104	.030	.200	.102	.030	.193	.100	.029	.187	.098	.029	
7.0	.197	.097	.028	.193	.096	.027	.187	.094	.027	.181	.093	.027	.175	.091	.027	
8.0	.184	.090	.025	.181	.089	.025	.175	.088	.025	.170	.086	.025	.165	.085	.025	
9.0	.173	.084	.023	.170	.083	.023	.165	.081	.023	.160	.080	.023	.155	.079	.023	
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.151	.075	.021	.147	.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	.171	.132	.100	.146	.114	.086	.100	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.163	.114	.076	.140	.099	.065	.096	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.155	.101	.059	.133	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.148	.090	.048	.127	.078	.042	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.141	.082	.040	.121	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.034	.116	.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	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.023	.101	.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:2017-02-20

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:223.3V I:0.8348A P:178.7W PF:0.9584 Lamp Flux:26104.1x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-180-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170220
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	32.1	33.6	32.3	33.8	34.0	32.5	34.0	32.8	34.2	34.4
3H	33.2	34.6	33.5	34.8	35.0	33.9	35.2	34.2	35.5	35.7
4H	33.4	34.7	33.7	35.0	35.2	34.3	35.6	34.6	35.9	36.1
6H	33.4	34.7	33.8	35.0	35.2	34.5	35.8	34.9	36.0	36.3
8H	33.4	34.6	33.7	34.9	35.2	34.6	35.8	34.9	36.0	36.3
12H	33.4	34.5	33.7	34.8	35.1	34.6	35.7	34.9	36.0	36.3
4H 2H	32.7	34.0	33.0	34.2	34.5	33.0	34.3	33.3	34.6	34.8
3H	33.9	35.1	34.3	35.4	35.7	34.5	35.7	34.9	36.0	36.3
4H	34.3	35.3	34.6	35.6	36.0	35.1	36.1	35.4	36.4	36.7
6H	34.4	35.3	34.8	35.6	36.0	35.4	36.3	35.8	36.6	37.0
8H	34.3	35.2	34.7	35.5	35.9	35.4	36.3	35.8	36.6	37.0
12H	34.3	35.1	34.7	35.5	35.9	35.4	36.2	35.9	36.6	37.0
8H 4H	34.4	35.3	34.9	35.7	36.0	35.2	36.0	35.6	36.4	36.8
6H	34.6	35.3	35.0	35.7	36.1	35.5	36.2	36.0	36.6	37.1
8H	34.6	35.2	35.0	35.6	36.1	35.6	36.3	36.1	36.7	37.1
12H	34.5	35.1	35.0	35.5	36.0	35.7	36.2	36.1	36.6	37.1
12H 4H	34.4	35.2	34.8	35.6	36.0	35.1	35.9	35.6	36.3	36.7
6H	34.6	35.2	35.0	35.6	36.1	35.5	36.1	36.0	36.6	37.0
8H	34.6	35.1	35.0	35.5	36.0	35.6	36.2	36.1	36.6	37.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
1.5H	+ 0.3 / - 0.5					+ 0.2 / - 0.4				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.3				

CIE Pub.117 Corrected 26104 lm Total Lamp Luminous Flux.(8log(F/F0) = 11.3)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2017-02-20

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:223.3V I:0.8348A P:178.7W PF:0.9584 Lamp Flux:26104.1x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-180-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170220
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	46	40	57	46	39	56	46	39	33
0.80	68	57	50	67	56	49	66	56	49	42
1.00	77	66	59	76	66	59	74	67	58	51
1.25	84	74	67	83	73	67	80	72	66	59
1.50	89	80	73	88	79	72	85	77	71	64
2.00	96	88	82	94	87	81	91	85	80	72
2.50	100	93	87	98	91	86	94	89	84	76
3.00	103	97	92	101	95	90	97	92	88	80
4.00	107	102	97	105	100	96	101	97	93	85
5.00	109	105	101	107	103	100	103	99	96	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:2017-02-20

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:

ISOCANDELA DIAGRAM

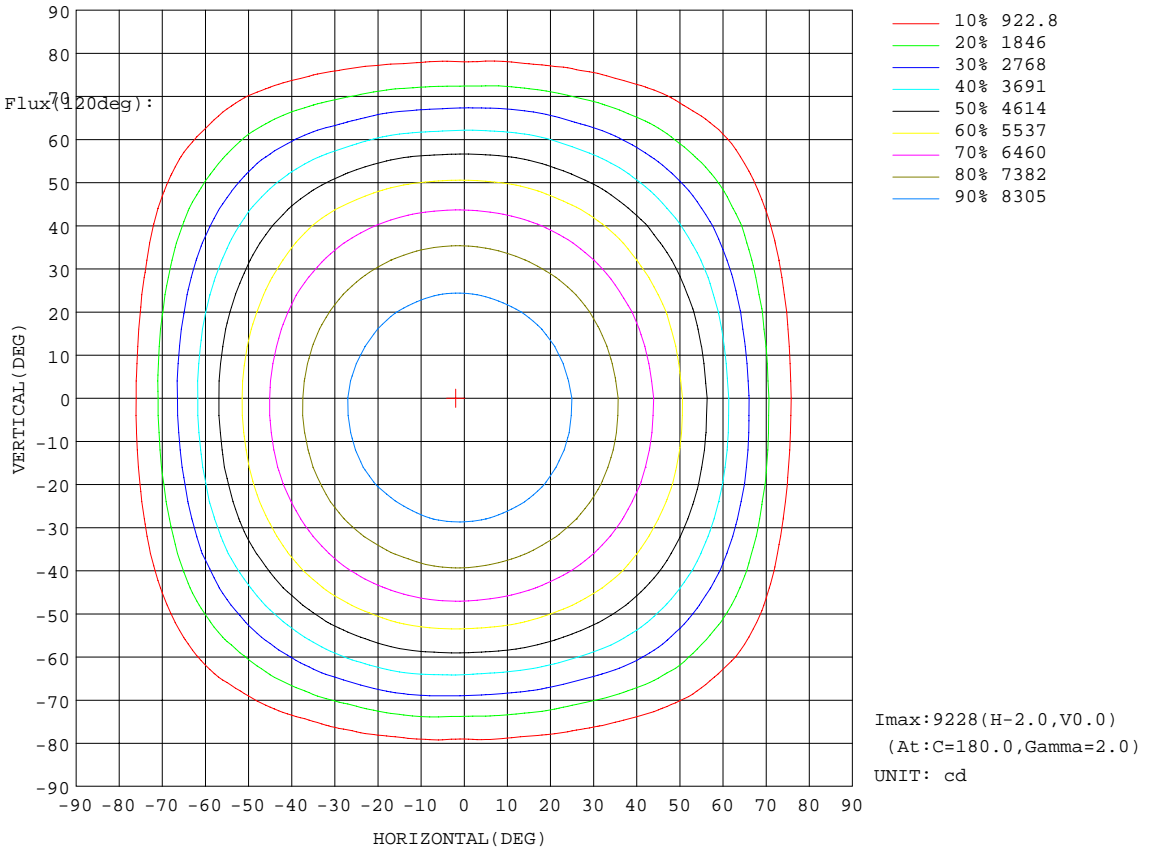
Test:U:223.3V I:0.8348A P:178.7W PF:0.9584 Lamp Flux:26104.1x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-180-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170220
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

Conical surface Flux(90deg):

14482 lm
%lum = 55.5%
%lamp = 55.5%

Conical surface Flux(70deg):

21390 lm
%lum = 81.9%
%lamp = 81.9%



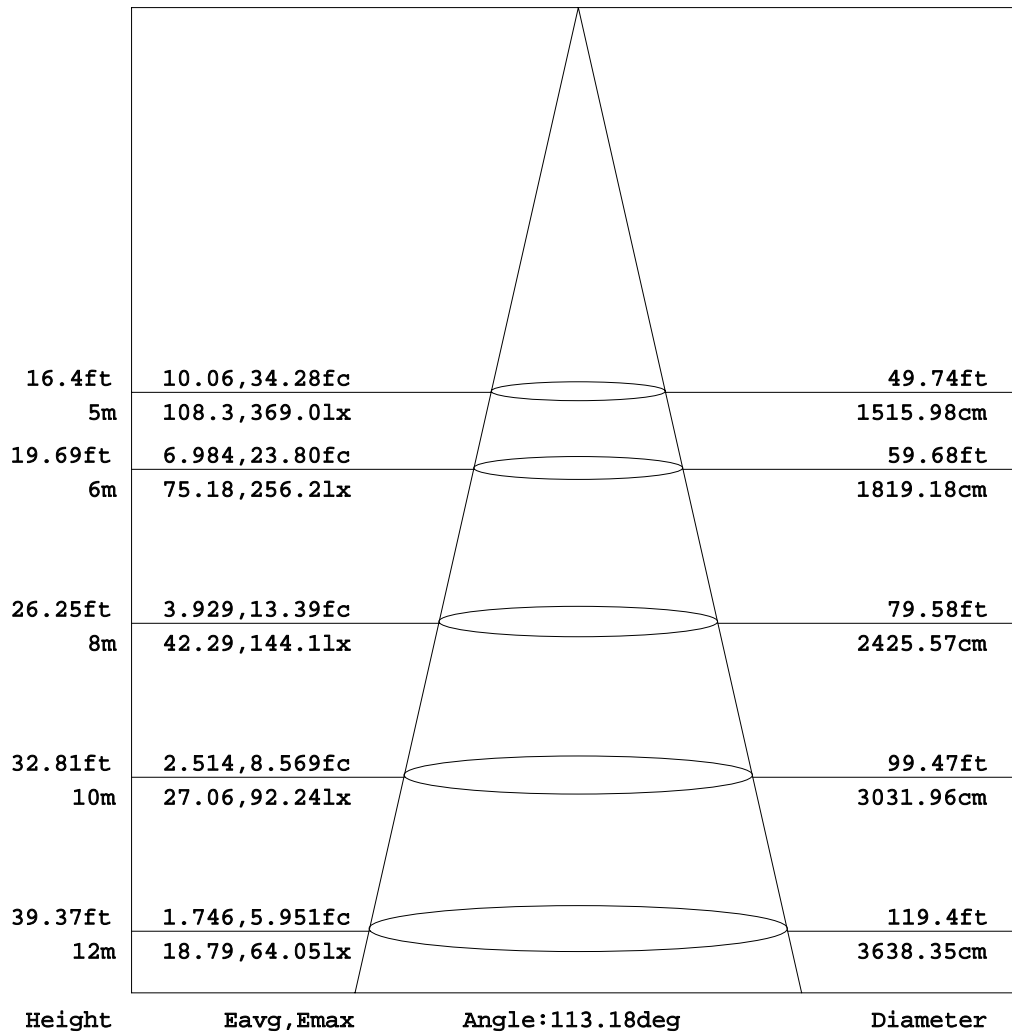
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: CHEN YU
 Test Date: 2017-02-20

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:223.3V I:0.8348A P:178.7W PF:0.9584 Lamp Flux:26104.1x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-180-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170220
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

Flux out:20161 lm



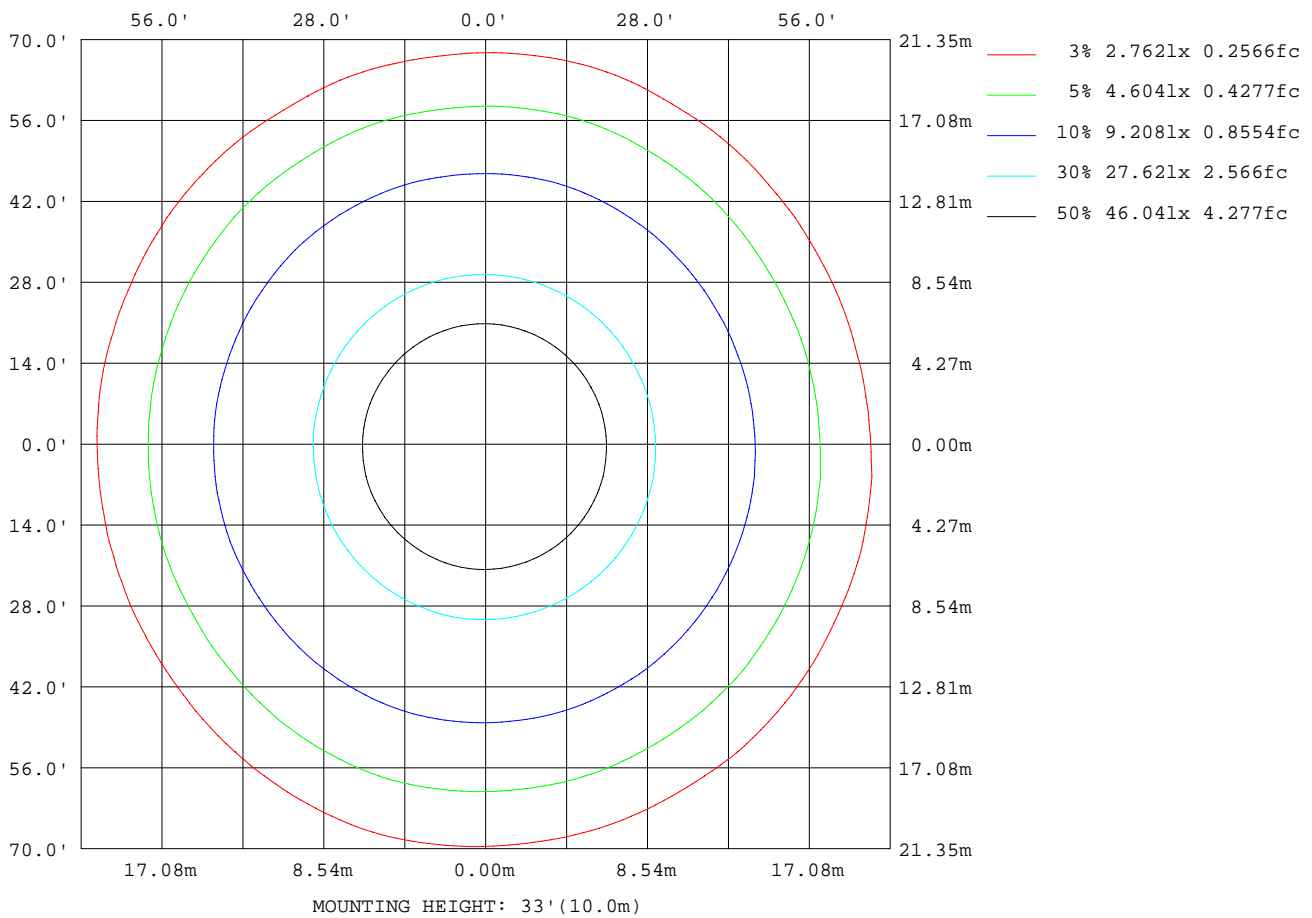
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2017-02-20

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

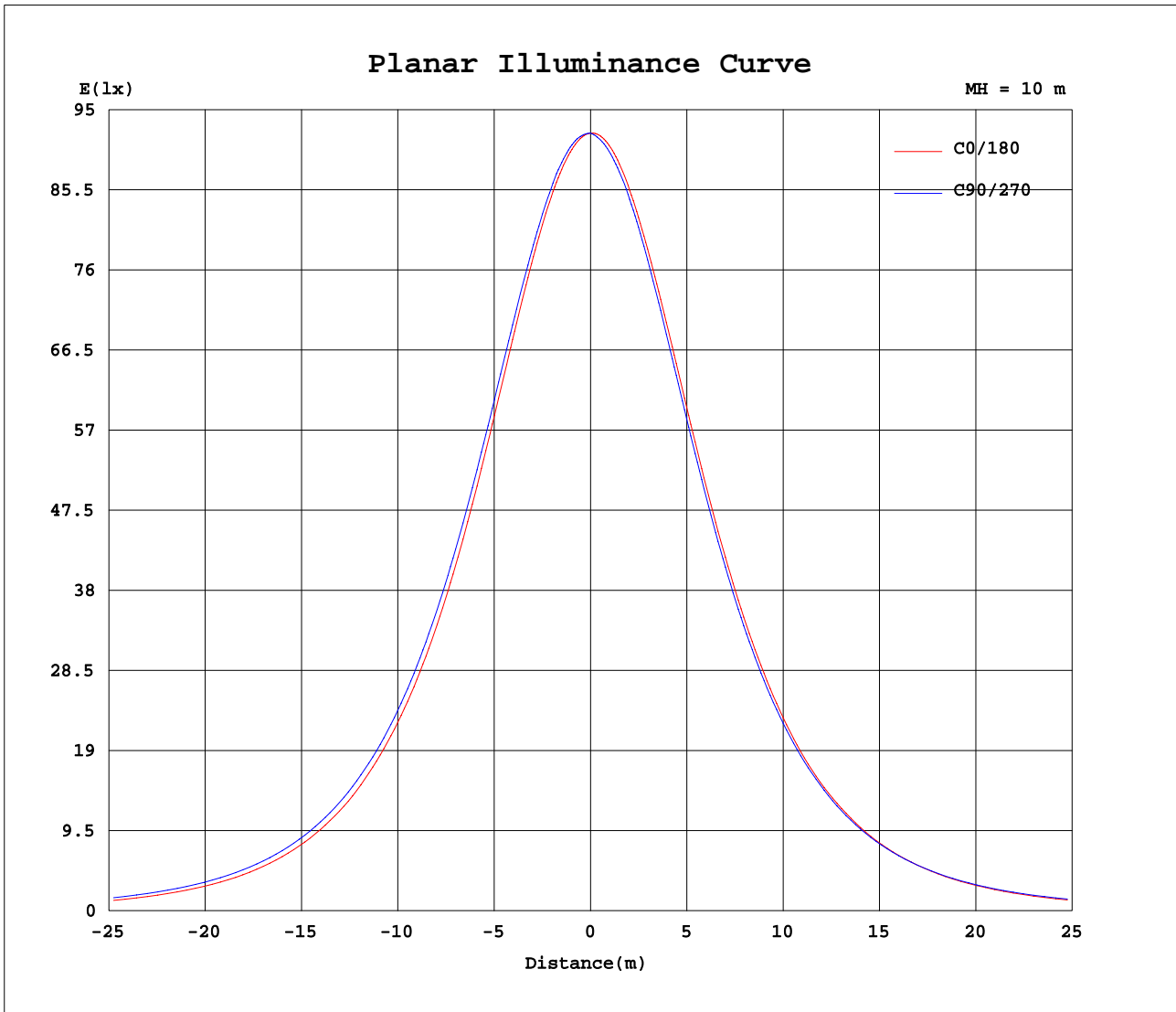
Test:U:223.3V I:0.8348A P:178.7W PF:0.9584 Lamp Flux:26104.1x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-180-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170220
MFR.:	SUR.:70Ra	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2017-02-20

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: 2017-02-20

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:223.3V I:0.8348A P:178.7W PF:0.9584 Lamp Flux:26104.1x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-180-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170220
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	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223
5	9167	9167	9168	9170	9172	9175	9178	9182	9186	9190	9194	9198	9201	9204	9206	9209	9211	9212	9214
10	9048	9048	9051	9056	9063	9071	9077	9086	9092	9098	9106	9113	9122	9128	9135	9141	9146	9150	9153
15	8869	8869	8873	8883	8892	8902	8913	8927	8944	8951	8957	8964	8973	8981	8990	8996	9002	9007	9012
20	8622	8622	8631	8643	8656	8673	8692	8699	8712	8726	8738	8749	8761	8773	8785	8797	8808	8817	8824
25	8302	8304	8317	8333	8355	8369	8382	8399	8417	8434	8457	8469	8480	8494	8509	8524	8535	8545	8554
30	7917	7920	7937	7959	7979	7994	8013	8033	8059	8071	8093	8111	8127	8143	8161	8179	8196	8209	8219
35	7452	7460	7482	7516	7526	7547	7576	7593	7614	7635	7654	7681	7694	7712	7733	7754	7770	7786	7799
40	6925	6933	6959	6979	6999	7023	7037	7064	7091	7121	7138	7161	7184	7205	7229	7252	7275	7298	7316
45	6321	6327	6362	6377	6405	6416	6440	6481	6494	6524	6549	6579	6602	6623	6651	6676	6693	6707	6724
50	5632	5647	5677	5703	5729	5737	5770	5791	5829	5873	5887	5910	5939	5963	5992	6017	6034	6053	6073
55	4837	4847	4886	4923	4935	4964	5004	5043	5072	5112	5140	5178	5196	5216	5245	5273	5282	5285	5301
60	3943	3987	4018	4055	4080	4107	4154	4179	4222	4258	4285	4302	4328	4357	4398	4427	4433	4433	4449
65	2985	3054	3093	3128	3149	3166	3207	3261	3314	3343	3382	3385	3383	3413	3441	3465	3479	3490	3526
70	1963	2014	2055	2107	2165	2193	2211	2286	2343	2369	2389	2396	2399	2434	2493	2523	2531	2559	2579
75	1056	1059	1096	1164	1210	1231	1260	1329	1353	1394	1396	1435	1459	1502	1548	1563	1597	1613	1604
80	340	349	365	384	423	442	456	501	517	539	578	611	637	670	702	723	758	795	765
85	44.4	41.6	45.0	46.7	48.1	52.4	45.0	55.1	75.3	96.1	111	121	131	140	145	146	151	152	146
90	2.29	0.00	0.00	0.00	0.00	0.00	0.00	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: 2017-02-20

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:223.3V I:0.8348A P:178.7W PF:0.9584 Lamp Flux:26104.1x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-180-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170220
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	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223
5	9215	9217	9217	9218	9218	9218	9219	9218	9217	9216	9214	9213	9212	9211	9211	9211	9211	9212	9212	9206
10	9154	9154	9154	9154	9152	9151	9149	9147	9145	9144	9142	9138	9136	9131	9127	9125	9124	9126	9115	
15	9015	9018	9020	9021	9020	9018	9015	9012	9011	9010	9001	8994	8989	8984	8978	8969	8964	8964	8949	
20	8827	8829	8828	8827	8823	8820	8817	8814	8810	8802	8797	8797	8787	8777	8770	8760	8747	8742	8723	
25	8560	8563	8565	8562	8555	8545	8537	8532	8524	8522	8517	8507	8497	8486	8474	8464	8450	8445	8424	
30	8224	8225	8222	8213	8202	8194	8187	8185	8179	8179	8166	8157	8142	8128	8111	8097	8079	8071	8054	
35	7806	7810	7808	7791	7780	7773	7766	7759	7757	7750	7733	7717	7708	7696	7682	7661	7644	7627	7611	
40	7325	7327	7320	7295	7284	7284	7270	7258	7250	7228	7217	7197	7176	7156	7137	7123	7116	7103	7086	
45	6734	6743	6742	6722	6705	6698	6682	6660	6634	6610	6594	6575	6550	6540	6527	6507	6492	6477	6464	
50	6087	6090	6087	6073	6047	6032	6003	5980	5940	5917	5895	5859	5839	5826	5805	5779	5771	5753	5749	
55	5317	5330	5331	5312	5281	5251	5209	5186	5141	5092	5062	5045	5022	5025	4998	4994	4963	4946	4948	
60	4463	4475	4490	4471	4427	4391	4350	4289	4240	4182	4154	4101	4104	4087	4089	4070	4058	4040	4041	
65	3550	3576	3593	3565	3512	3458	3411	3341	3282	3212	3179	3141	3127	3101	3083	3066	3066	3065	3082	
70	2598	2617	2608	2573	2505	2441	2413	2336	2278	2212	2175	2148	2109	2110	2082	2047	2037	2038	2080	
75	1634	1667	1638	1594	1537	1477	1417	1350	1310	1244	1188	1180	1157	1115	1114	1118	1107	1100	1094	
80	800	793	753	735	702	656	595	544	500	457	415	394	378	365	360	358	353	357	375	
85	151	150	148	146	139	125	110	94.2	78.5	57.6	38.8	29.2	35.3	32.6	30.9	29.4	25.9	29.3	34.9	
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	3.36	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2017-02-20

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:223.3V I:0.8348A P:178.7W PF:0.9584 Lamp Flux:26104.1x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-180-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170220
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	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223
5	9200	9194	9189	9185	9181	9177	9174	9170	9167	9164	9160	9157	9153	9150	9148	9145	9143	9141	9139
10	9106	9100	9094	9090	9082	9076	9068	9060	9054	9048	9044	9040	9035	9032	9028	9025	9022	9019	9015
15	8940	8935	8926	8918	8908	8901	8897	8887	8876	8868	8863	8858	8853	8847	8841	8836	8830	8825	8819
20	8711	8698	8682	8672	8666	8654	8647	8641	8632	8621	8612	8606	8602	8600	8596	8591	8584	8576	8568
25	8412	8394	8378	8362	8350	8341	8333	8323	8317	8305	8295	8290	8286	8281	8274	8267	8258	8248	8239
30	8044	8026	8012	7998	7981	7962	7955	7942	7937	7927	7916	7905	7900	7896	7891	7884	7874	7862	7849
35	7596	7585	7569	7552	7533	7516	7505	7492	7479	7474	7461	7453	7450	7445	7434	7425	7415	7405	7394
40	7064	7050	7042	7019	7004	6995	6978	6970	6961	6958	6950	6938	6932	6926	6915	6908	6896	6883	6871
45	6448	6432	6422	6418	6410	6393	6384	6383	6368	6361	6353	6345	6339	6328	6310	6299	6288	6278	6270
50	5728	5703	5692	5694	5689	5710	5713	5722	5702	5692	5684	5676	5671	5660	5645	5638	5633	5624	5618
55	4941	4914	4905	4902	4915	4915	4929	4949	4945	4938	4932	4928	4928	4917	4890	4875	4871	4868	4870
60	4050	4037	4031	4050	4048	4055	4076	4088	4084	4073	4085	4092	4104	4094	4065	4051	4059	4054	4055
65	3101	3101	3112	3109	3130	3156	3179	3177	3182	3177	3151	3174	3200	3183	3175	3174	3192	3199	3209
70	2089	2116	2123	2117	2159	2210	2227	2238	2248	2228	2218	2235	2277	2286	2272	2263	2274	2284	2298
75	1141	1178	1200	1198	1224	1286	1308	1323	1311	1344	1355	1369	1373	1377	1392	1399	1382	1406	1426
80	389	419	450	464	484	530	554	560	592	610	618	634	643	633	636	661	630	661	653
85	40.8	47.7	55.0	68.5	67.7	95.0	117	134	147	153	153	151	148	141	136	134	128	134	135
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:2017-02-20

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:223.3V I:0.8348A P:178.7W PF:0.9584 Lamp Flux:26104.1x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:YHL-ID-180-HB-VE	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20170220
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	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223	9223				
5	9138	9137	9136	9136	9137	9137	9137	9138	9139	9140	9143	9146	9150	9155	9161				
10	9011	9008	9005	9003	9001	9000	9002	9004	9008	9010	9014	9018	9022	9028	9037				
15	8815	8812	8808	8806	8806	8809	8815	8821	8819	8820	8825	8831	8837	8843	8853				
20	8560	8551	8545	8543	8545	8549	8553	8555	8560	8572	8572	8574	8581	8590	8601				
25	8232	8223	8216	8213	8217	8222	8220	8223	8227	8233	8243	8251	8255	8265	8278				
30	7837	7826	7818	7815	7815	7816	7818	7827	7826	7833	7841	7853	7862	7872	7888				
35	7383	7368	7355	7349	7353	7347	7350	7353	7353	7357	7361	7373	7394	7399	7418				
40	6857	6841	6828	6820	6813	6808	6805	6798	6795	6795	6815	6826	6844	6864	6886				
45	6265	6250	6232	6221	6213	6194	6183	6177	6180	6163	6182	6208	6220	6258	6275				
50	5614	5593	5563	5542	5531	5513	5502	5488	5472	5471	5486	5512	5527	5558	5574				
55	4869	4844	4811	4783	4762	4746	4710	4700	4705	4685	4703	4706	4739	4752	4775				
60	4059	4038	3991	3957	3930	3904	3875	3845	3817	3814	3810	3846	3857	3871	3897				
65	3202	3175	3118	3070	3060	3019	2976	2946	2930	2904	2898	2893	2900	2916	2932				
70	2286	2265	2200	2158	2129	2084	2058	2018	1972	1956	1961	1940	1929	1903	1916				
75	1392	1358	1342	1304	1256	1209	1193	1145	1097	1094	1078	1037	1014	1023	1029				
80	621	624	608	586	551	521	497	478	444	431	404	385	359	340	325				
85	137	145	148	150	152	141	128	118	100	83.7	79.5	68.5	59.8	52.7	47.8				
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				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2017-02-20

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: