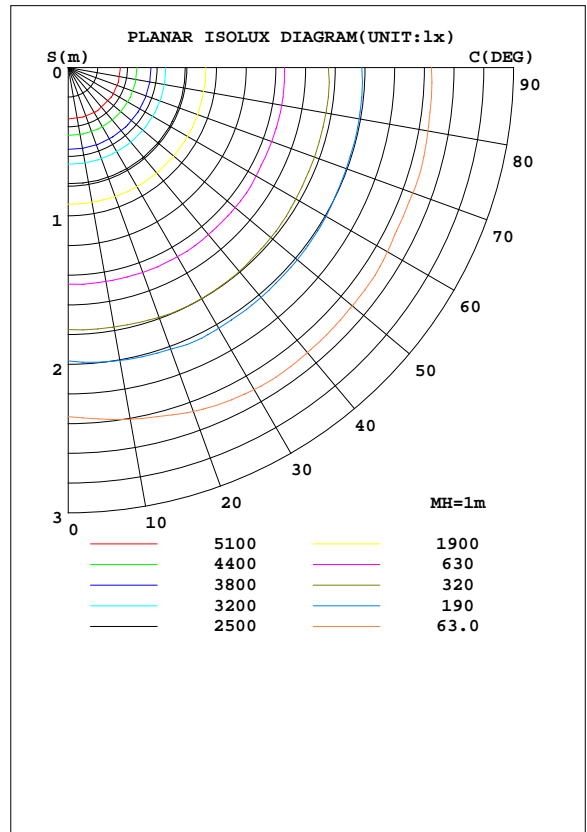
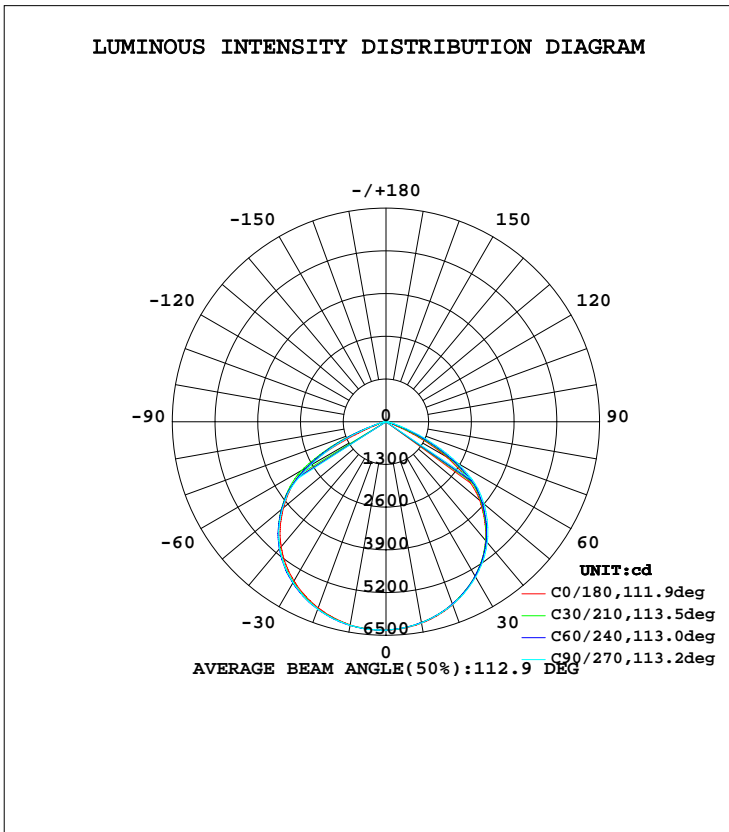


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm		
NAME: LED HIGH BAY LIGHTT	TYPE:YHL-ID-120-HB-VD	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20161229
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.68 lm/W			
MODEL	NF2W757GRT-V1 150PCS	Imax(cd)	6344	S/MH(C0/180)	1.27
NOMINAL POWER(W)	120.8	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	222	TOTAL FLUX(lm)	16505	η UP, DN(C0-180)	0.0, 50.8
NOMINAL FLUX(lm)	16505.5	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 49.2
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	221.1	η down(%)	100.0	CIBSE SHR MAX	1.35



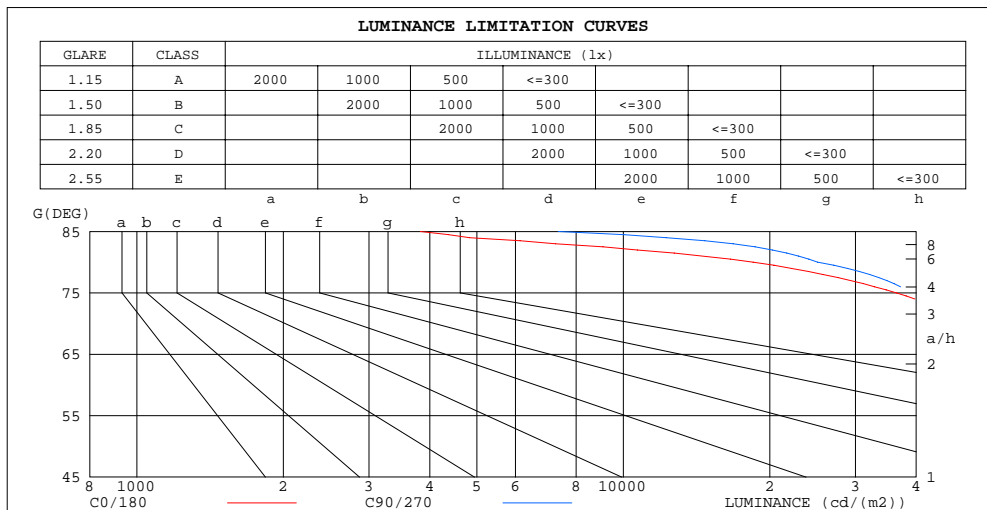
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2016-12-29

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	6330	6336	6335	6317	6306	6291	6296	6307	0- 5	151.2	151.2	0.92,0.92
10	6276	6291	6289	6254	6221	6204	6215	6233	5- 10	449.3	600.6	3.64,3.64
15	6171	6203	6201	6151	6099	6077	6083	6124	10- 15	734.6	1335	8.09,8.09
20	6027	6069	6068	6007	5925	5902	5921	5964	15- 20	998.9	2334	14.1,14.1
25	5837	5883	5885	5808	5703	5682	5710	5761	20- 25	1234	3568	21.6,21.6
30	5599	5657	5656	5560	5433	5418	5460	5516	25- 30	1433	5001	30.3,30.3
35	5309	5384	5372	5261	5112	5107	5153	5222	30- 35	1587	6588	39.9,39.9
40	4963	5051	5038	4894	4717	4734	4801	4877	35- 40	1689	8277	50.1,50.1
45	4555	4646	4610	4458	4247	4295	4372	4458	40- 45	1729	10006	60.6,60.6
50	4068	4176	4113	3960	3727	3799	3898	3987	45- 50	1701	11707	70.9,70.9
55	3545	3623	3533	3359	2997	3173	3318	3452	50- 55	1601	13308	80.6,80.6
60	2747	2879	2666	2353	2099	2295	2512	2695	55- 60	1376	14683	89,89
65	1573	1868	1706	1266	1013	1353	1605	1802	60- 65	993.4	15677	95,95
70	440.7	899.9	708.6	504.4	258.8	550.8	746.5	886.6	65- 70	532.5	16209	98.2,98.2
75	188.6	253.3	241.8	172.9	127.5	181.3	262.5	273.1	70- 75	198.1	16407	99.4,99.4
80	64.20	89.15	87.14	60.45	34.41	65.07	101.5	110.5	75- 80	73.36	16481	99.8,99.8
85	6.664	14.96	12.81	9.926	9.966	15.50	19.87	28.74	80- 85	22.71	16503	100,100
90	0.6274	0	0	0	2.826	0	0	0	85- 90	2.229	16505	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	3823	7347
80	18486	25092
75	36425	46722
70	64422	103584
65	186052	201858
60	274668	266640
55	309039	307957
50	316422	319949
45	322056	325981

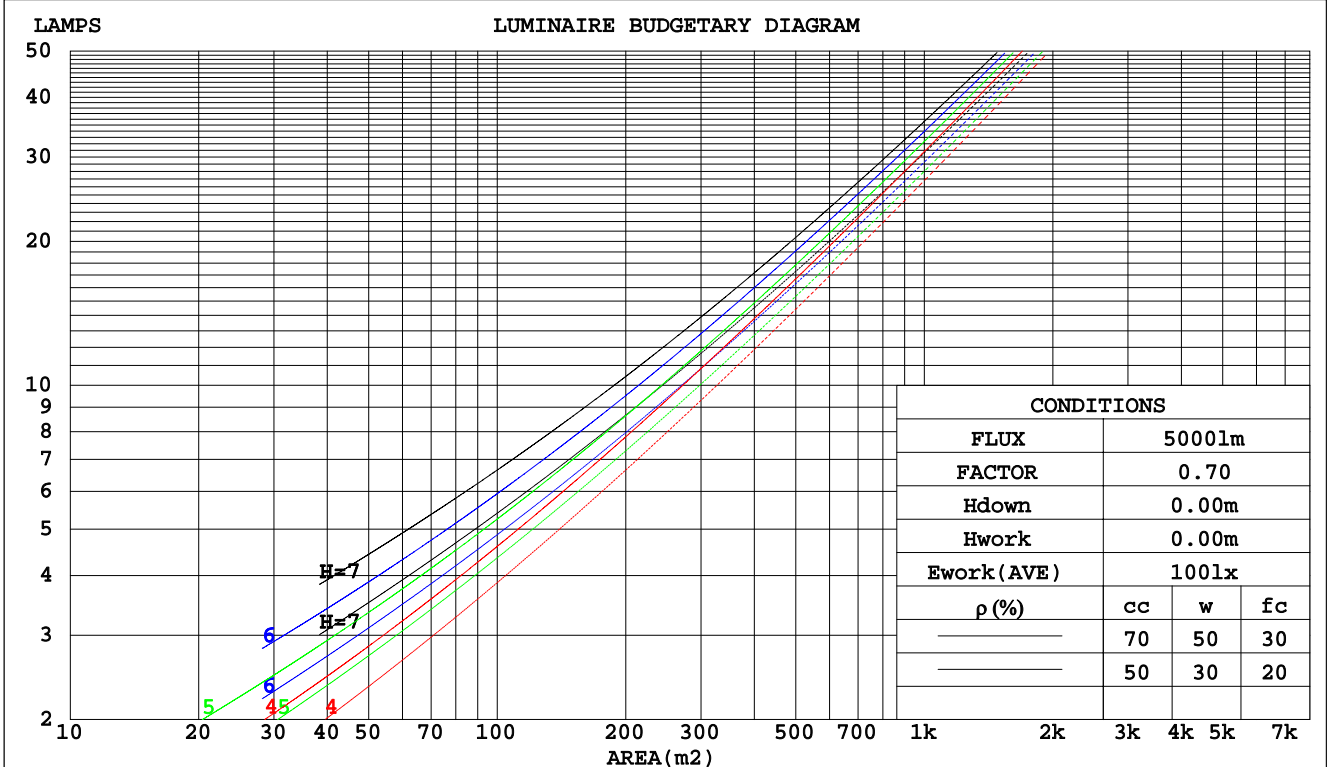
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:CHEN YU
Test Date:2016-12-29

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:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm		
NAME: LED HIGH BAY LIGHTT	TYPE:YHL-ID-120-HB-VD	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20161229
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	.00
1.0	1.07	1.03	.00	1.04	1.01	.98	1.00	.97	.95	.96	.94	.92	.93	.91	.89	.87
2.0	.94	.88	.83	.92	.87	.82	.89	.84	.80	.86	.82	.79	.83	.80	.77	.75
3.0	.84	.76	.70	.82	.75	.70	.79	.73	.68	.76	.71	.67	.74	.70	.66	.64
4.0	.74	.66	.60	.73	.65	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.67	.58	.52	.66	.58	.52	.63	.56	.51	.62	.55	.51	.60	.54	.50	.48
6.0	.60	.52	.45	.59	.51	.45	.57	.50	.45	.56	.49	.44	.54	.48	.44	.42
7.0	.54	.46	.40	.54	.46	.40	.52	.45	.40	.51	.44	.39	.49	.44	.39	.37
8.0	.50	.41	.36	.49	.41	.36	.48	.41	.35	.46	.40	.35	.45	.39	.35	.33
9.0	.46	.38	.32	.45	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.32	.30
10.0	.42	.34	.29	.41	.34	.29	.40	.34	.29	.40	.33	.29	.39	.33	.29	.27



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2016-12-29

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:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm		
NAME: LED HIGH BAY LIGHTT	TYPE:YHL-ID-120-HB-VD	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20161229
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	.259	.147	.047	.252	.144	.046	.239	.137	.044	.227	.131	.042	.216	.125	.040	
2.0	.255	.140	.043	.249	.137	.042	.238	.132	.041	.227	.127	.040	.217	.123	.039	
3.0	.243	.129	.039	.238	.127	.038	.228	.123	.038	.219	.120	.037	.210	.116	.036	
4.0	.229	.119	.035	.225	.118	.035	.216	.114	.034	.207	.111	.034	.200	.109	.033	
5.0	.215	.110	.032	.211	.108	.032	.203	.106	.031	.196	.103	.031	.189	.101	.030	
6.0	.202	.101	.029	.198	.100	.029	.191	.098	.029	.185	.096	.028	.179	.094	.028	
7.0	.190	.094	.027	.187	.093	.026	.180	.091	.026	.174	.089	.026	.169	.088	.026	
8.0	.179	.087	.025	.176	.086	.024	.170	.085	.024	.165	.083	.024	.160	.082	.024	
9.0	.168	.081	.023	.166	.081	.023	.160	.079	.022	.156	.078	.022	.151	.077	.022	
10.0	.159	.076	.021	.156	.076	.021	.152	.074	.021	.148	.073	.021	.143	.072	.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	.177	.157	.138	.151	.134	.119	.103	.092	.082	.060	.054	.048	.019	.017	.015	
2.0	.167	.132	.102	.143	.114	.089	.098	.079	.062	.057	.046	.036	.018	.015	.012	
3.0	.159	.114	.078	.137	.098	.068	.094	.068	.047	.054	.040	.028	.017	.013	.009	
4.0	.152	.101	.061	.130	.087	.053	.090	.061	.037	.052	.035	.022	.017	.012	.007	
5.0	.145	.090	.049	.125	.078	.043	.086	.054	.030	.050	.032	.018	.016	.010	.006	
6.0	.138	.082	.041	.119	.071	.036	.082	.049	.025	.048	.029	.015	.015	.010	.005	
7.0	.132	.075	.034	.114	.065	.030	.078	.045	.021	.046	.027	.013	.015	.009	.004	
8.0	.126	.069	.030	.108	.060	.026	.075	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.120	.064	.026	.104	.055	.023	.072	.039	.016	.042	.023	.010	.014	.008	.003	
10.0	.115	.060	.023	.099	.052	.020	.069	.036	.014	.040	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2016-12-29

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:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm		
NAME: LED HIGH BAY LIGHTT	TYPE:YHL-ID-120-HB-VD	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20161229
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	33.2	34.6	33.4	34.8	35.0	33.1	34.5	33.3	34.7	34.9
3H	33.5	34.8	33.8	35.1	35.3	33.5	34.8	33.8	35.1	35.3
4H	33.4	34.7	33.8	34.9	35.2	33.5	34.7	33.8	35.0	35.2
6H	33.4	34.5	33.7	34.8	35.1	33.4	34.6	33.7	34.8	35.1
8H	33.3	34.4	33.6	34.7	35.0	33.4	34.5	33.7	34.7	35.0
12H	33.3	34.3	33.6	34.6	34.9	33.3	34.4	33.6	34.7	35.0
4H 2H	33.6	34.8	33.9	35.1	35.3	33.5	34.7	33.8	35.0	35.2
3H	34.0	35.0	34.3	35.3	35.6	34.0	35.0	34.3	35.3	35.6
4H	33.9	34.9	34.3	35.2	35.5	34.0	34.9	34.3	35.2	35.6
6H	33.8	34.7	34.2	35.0	35.4	33.9	34.7	34.3	35.1	35.5
8H	33.8	34.6	34.2	35.0	35.3	33.9	34.6	34.3	35.0	35.4
12H	33.8	34.5	34.2	34.9	35.3	33.8	34.5	34.2	34.9	35.3
8H 4H	33.8	34.6	34.3	35.0	35.4	33.9	34.7	34.3	35.0	35.4
6H	33.8	34.4	34.2	34.8	35.2	33.8	34.5	34.3	34.9	35.3
8H	33.7	34.3	34.2	34.7	35.2	33.8	34.4	34.3	34.8	35.2
12H	33.7	34.2	34.2	34.6	35.1	33.8	34.2	34.2	34.7	35.2
12H 4H	33.8	34.5	34.2	34.9	35.3	33.8	34.6	34.3	34.9	35.3
6H	33.7	34.3	34.2	34.7	35.2	33.8	34.4	34.3	34.8	35.2
8H	33.7	34.2	34.2	34.6	35.1	33.8	34.2	34.2	34.7	35.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.5					+ 0.3 / - 0.4				
1.5H	+ 0.7 / - 1.0					+ 0.5 / - 0.8				
2.0H	+ 0.6 / - 0.9					+ 0.7 / - 0.7				

CIE Pub.117 Corrected 16505 lm Total Lamp Luminous Flux. (8log(F/F0) = 9.7)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2016-12-29

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:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm		
NAME: LED HIGH BAY LIGHTT	TYPE:YHL-ID-120-HB-VD	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20161229
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	60	49	42	59	48	42	58	48	42	35
0.80	71	60	53	70	59	53	68	59	52	46
1.00	80	70	63	79	69	63	77	70	62	55
1.25	87	78	71	86	77	71	83	76	70	63
1.50	92	83	77	90	82	77	88	81	75	69
2.00	99	91	86	97	90	85	94	88	83	76
2.50	102	95	90	100	94	89	96	91	87	80
3.00	105	99	94	103	98	93	99	95	91	83
4.00	108	104	100	106	102	98	102	99	96	87
5.00	110	106	103	108	104	101	104	101	98	90
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:2016-12-29

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

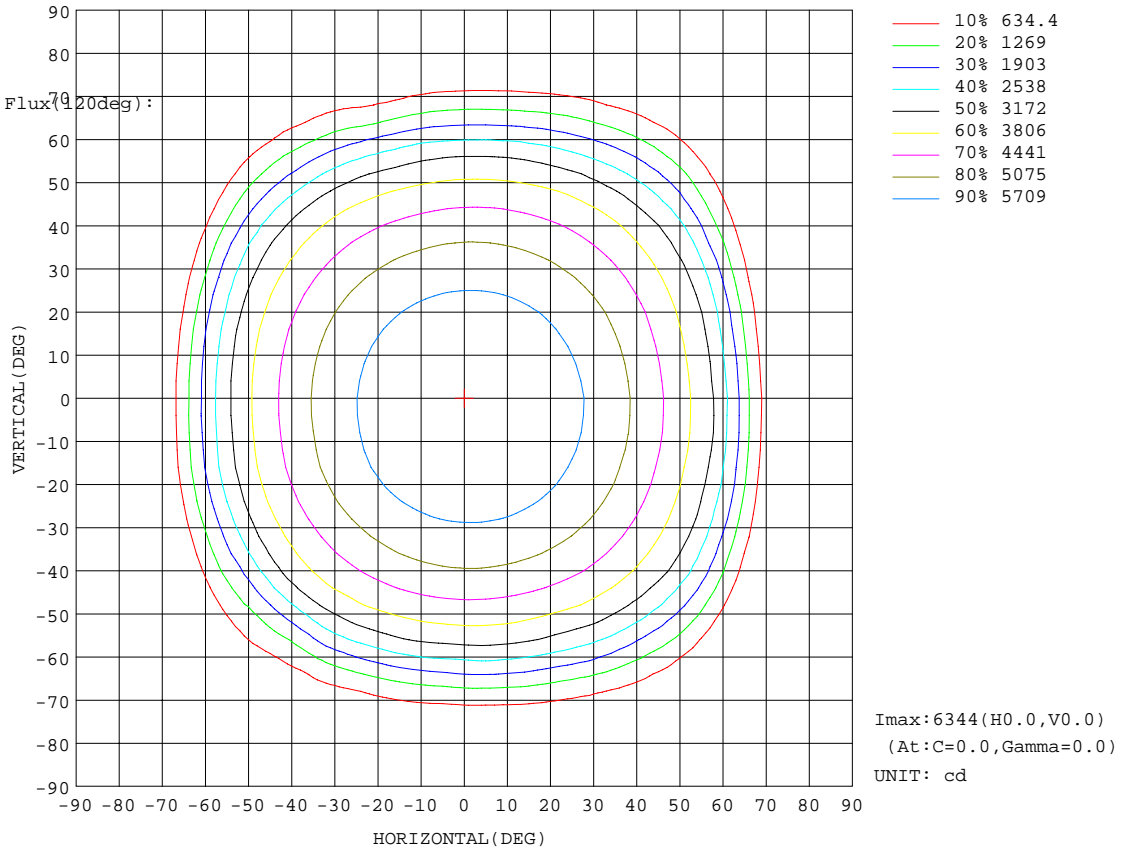
Test:U:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm		
NAME: LED HIGH BAY LIGHTT	TYPE:YHL-ID-120-HB-VD	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20161229
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

Conical surface Flux(90deg):

10006 lm
 %lum = 60.6%
 %lamp = 60.6%

Conical surface Flux(70deg):

14683 lm
 %lum = 89.0%
 %lamp = 89.0%



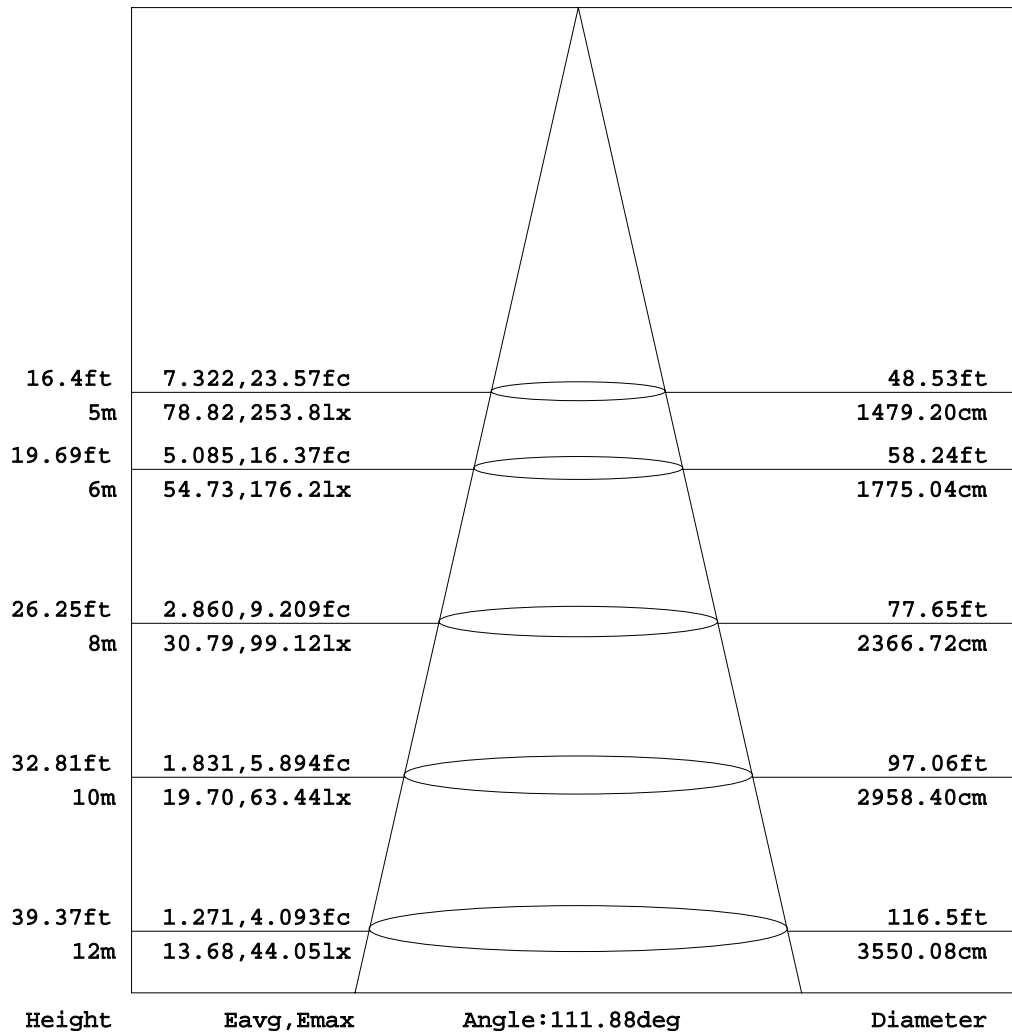
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2016-12-29

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:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm		
NAME: LED HIGH BAY LIGHTT	TYPE:YHL-ID-120-HB-VD	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20161229
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

Flux out:13606 lm



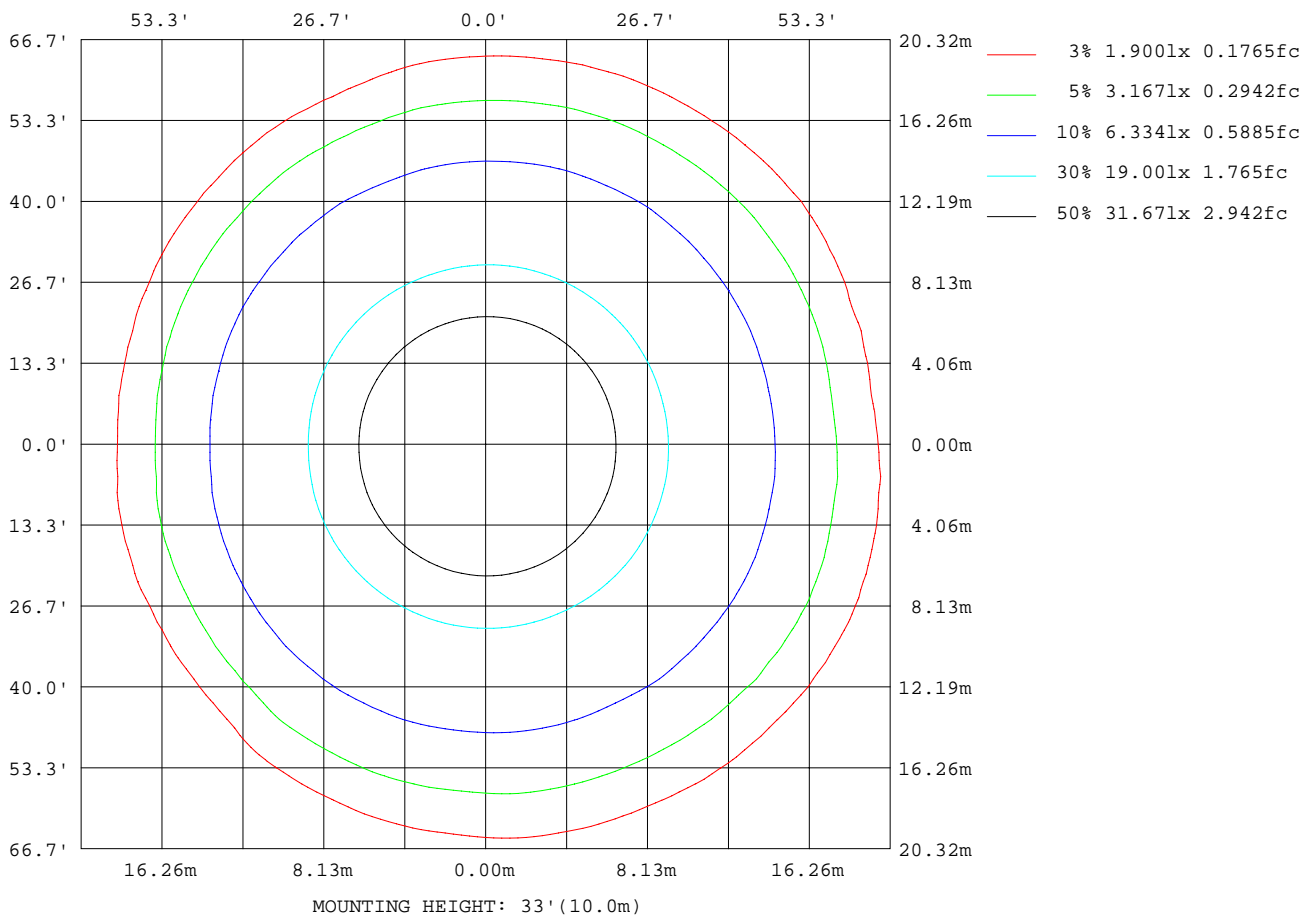
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2016-12-29

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

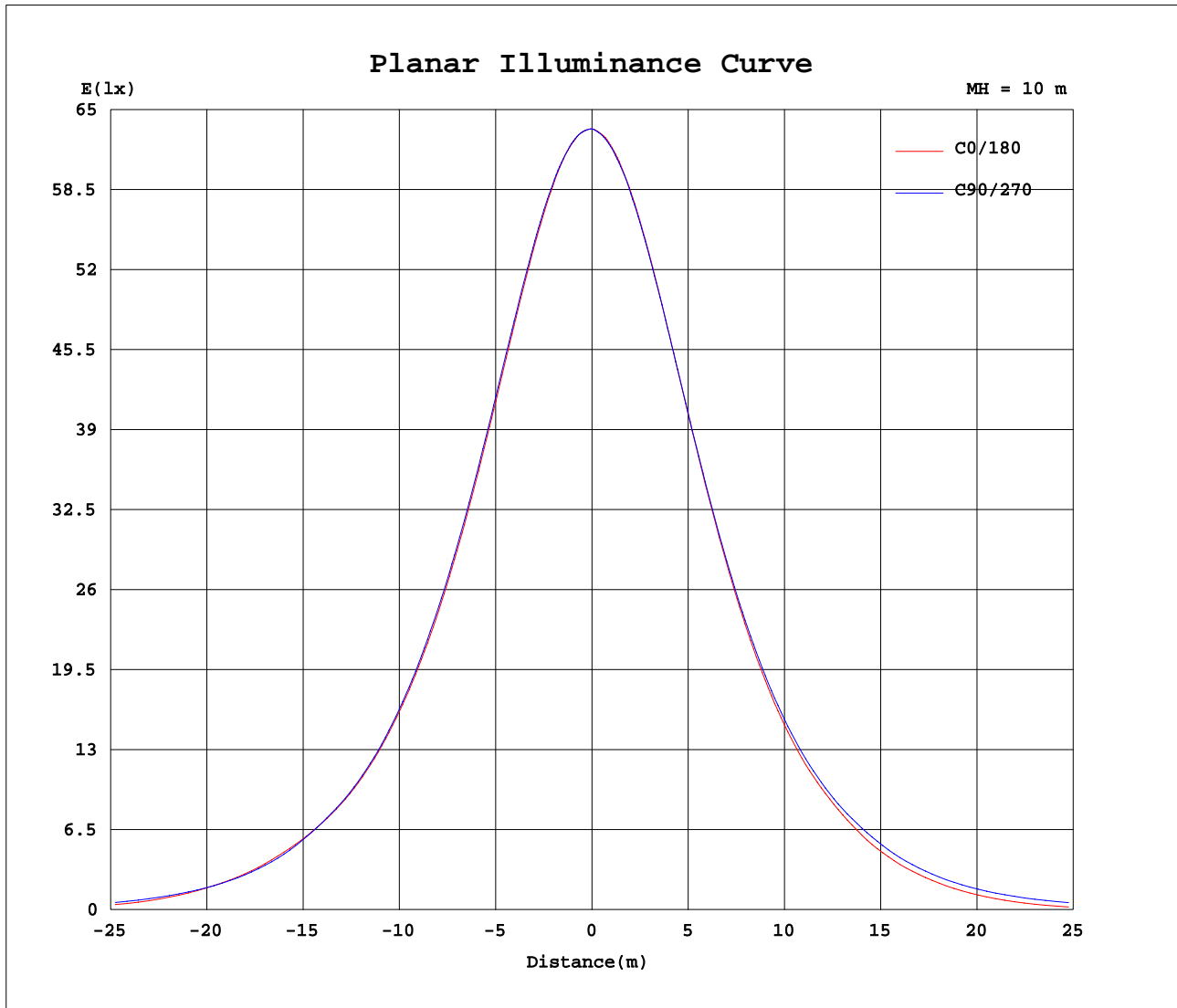
Test:U:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm		
NAME: LED HIGH BAY LIGHTT	TYPE:YHL-ID-120-HB-VD	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20161229
MFR.:	SUR.:70Ra	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2016-12-29

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: 2016-12-29

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:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm		
NAME: LED HIGH BAY LIGHTT	TYPE:YHL-ID-120-HB-VD	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20161229
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	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344
5	6330	6330	6330	6330	6331	6332	6333	6335	6336	6336	6337	6337	6336	6335	6335	6335	6334	6335	6335
10	6276	6276	6276	6278	6281	6285	6287	6290	6291	6291	6291	6291	6291	6292	6295	6296	6294	6290	6289
15	6171	6171	6173	6179	6182	6186	6191	6196	6202	6203	6202	6203	6205	6208	6208	6205	6204	6204	6201
20	6027	6026	6031	6037	6043	6051	6061	6060	6064	6069	6071	6071	6071	6072	6072	6075	6073	6072	6068
25	5837	5837	5844	5852	5863	5868	5870	5875	5879	5883	5892	5892	5893	5893	5894	5894	5892	5887	5885
30	5599	5600	5609	5621	5628	5632	5639	5646	5655	5657	5664	5665	5666	5668	5669	5666	5666	5664	5656
35	5309	5313	5325	5342	5341	5347	5361	5369	5378	5384	5385	5393	5389	5385	5386	5385	5382	5379	5372
40	4963	4971	4988	4995	5002	5019	5026	5037	5045	5051	5049	5050	5049	5044	5043	5045	5044	5044	5038
45	4555	4563	4590	4585	4601	4614	4628	4642	4642	4646	4644	4647	4640	4628	4625	4623	4621	4615	4610
50	4068	4081	4100	4102	4124	4143	4161	4163	4167	4176	4166	4156	4144	4134	4128	4128	4126	4120	4113
55	3545	3563	3568	3592	3608	3631	3635	3649	3624	3623	3618	3630	3579	3547	3553	3573	3567	3555	3533
60	2747	2791	2793	2856	2916	2945	2956	2934	2914	2879	2858	2828	2784	2753	2745	2739	2735	2736	2666
65	1573	1662	1749	1834	1875	1934	1934	1919	1877	1868	1858	1857	1824	1773	1764	1772	1751	1735	1706
70	441	486	553	619	714	775	840	894	901	900	888	893	861	822	813	797	751	729	709
75	189	192	201	207	213	219	224	243	268	253	239	271	286	275	268	265	255	247	242
80	64.2	66.5	70.6	73.1	77.8	82.3	85.2	88.9	89.3	89.2	93.5	97.4	96.1	94.3	95.4	95.1	92.9	89.8	87.1
85	6.66	5.88	7.10	7.40	7.81	8.40	6.85	9.53	12.4	15.0	16.0	16.7	16.9	16.7	16.4	15.6	14.5	13.4	12.8
90	0.63	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:2016-12-29

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:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm		
NAME: LED HIGH BAY LIGHTT	TYPE:YHL-ID-120-HB-VD	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20161229
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	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344
5	6334	6333	6330	6327	6324	6323	6321	6319	6317	6315	6313	6311	6310	6308	6307	6307	6306	6306	6303
10	6288	6285	6279	6275	6272	6269	6263	6258	6254	6252	6249	6245	6242	6235	6229	6224	6222	6221	6215
15	6199	6196	6191	6186	6180	6172	6166	6159	6151	6144	6135	6127	6122	6117	6112	6104	6100	6099	6091
20	6066	6061	6053	6045	6038	6032	6025	6015	6007	5994	5980	5971	5958	5948	5942	5935	5928	5925	5916
25	5878	5875	5866	5858	5849	5838	5828	5822	5808	5796	5785	5770	5753	5739	5726	5715	5705	5703	5693
30	5650	5644	5633	5621	5610	5600	5590	5578	5560	5549	5534	5523	5505	5480	5462	5452	5439	5433	5425
35	5364	5354	5346	5332	5317	5304	5292	5274	5261	5244	5227	5209	5194	5172	5144	5126	5117	5112	5103
40	5028	5013	4999	4981	4966	4951	4934	4911	4894	4873	4856	4834	4813	4797	4764	4735	4727	4717	4714
45	4598	4586	4572	4554	4535	4522	4501	4476	4458	4429	4404	4383	4358	4336	4315	4269	4257	4247	4248
50	4102	4087	4072	4057	4040	4023	4004	3982	3960	3929	3899	3865	3842	3819	3800	3763	3740	3727	3730
55	3498	3487	3481	3449	3427	3429	3403	3362	3359	3295	3276	3221	3190	3163	3124	3109	3034	2997	3018
60	2638	2639	2612	2586	2546	2536	2525	2429	2353	2301	2270	2240	2225	2218	2204	2185	2112	2099	2114
65	1642	1617	1585	1551	1527	1500	1456	1368	1266	1257	1211	1248	1246	1215	1177	1149	1066	1013	998
70	669	678	668	652	634	616	589	526	504	475	499	439	375	329	315	286	280	259	264
75	236	237	234	224	208	189	173	171	173	164	163	156	150	144	141	138	134	127	131
80	85.0	82.8	80.0	76.6	72.7	70.5	67.7	65.3	60.4	56.5	53.7	48.9	46.8	46.1	44.6	41.2	38.4	34.4	35.9
85	12.6	12.6	12.8	12.9	12.9	13.0	12.8	11.8	9.93	8.04	7.22	6.99	8.19	8.16	8.19	8.39	8.08	9.97	15.2
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	2.83	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2016-12-29

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:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm		
NAME: LED HIGH BAY LIGHTT	TYPE:YHL-ID-120-HB-VD	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20161229
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	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344
5	6300	6297	6295	6293	6292	6292	6291	6291	6291	6291	6291	6292	6292	6291	6292	6294	6296	6297	6299
10	6210	6208	6207	6206	6204	6205	6204	6204	6203	6204	6205	6206	6210	6212	6212	6213	6215	6219	6221
15	6086	6085	6082	6080	6077	6077	6080	6077	6074	6073	6075	6077	6079	6079	6081	6084	6083	6088	6093
20	5913	5909	5905	5905	5906	5899	5899	5902	5902	5903	5903	5904	5905	5911	5913	5916	5921	5926	5931
25	5689	5686	5687	5685	5684	5684	5682	5682	5686	5685	5686	5689	5692	5695	5702	5705	5710	5714	5721
30	5424	5422	5421	5422	5422	5418	5420	5418	5423	5425	5427	5427	5430	5437	5442	5453	5460	5464	5470
35	5100	5102	5101	5101	5101	5101	5106	5107	5108	5114	5113	5117	5122	5129	5136	5143	5153	5160	5169
40	4712	4717	4721	4719	4721	4727	4727	4734	4737	4743	4746	4745	4750	4760	4772	4789	4801	4812	4821
45	4253	4260	4259	4267	4274	4279	4286	4295	4299	4305	4307	4307	4312	4326	4342	4358	4372	4385	4400
50	3736	3746	3753	3769	3775	3785	3789	3799	3808	3812	3814	3817	3825	3842	3863	3882	3898	3911	3924
55	3048	3063	3102	3116	3149	3143	3159	3173	3182	3206	3225	3199	3204	3248	3275	3302	3318	3332	3357
60	2147	2173	2200	2231	2241	2273	2280	2295	2321	2349	2357	2354	2373	2431	2484	2496	2512	2539	2554
65	1015	1035	1100	1156	1236	1290	1338	1353	1383	1404	1413	1372	1401	1467	1536	1576	1605	1624	1643
70	277	285	313	341	409	477	497	551	566	591	614	567	563	583	659	721	746	767	786
75	136	141	149	158	166	172	174	181	179	187	206	209	215	226	243	255	263	273	286
80	38.5	42.3	47.2	53.2	57.1	61.6	64.9	65.1	70.9	75.6	76.7	76.8	81.5	88.0	92.2	97.0	101	111	119
85	17.4	17.7	17.3	16.8	15.6	15.0	15.0	15.5	16.6	17.3	16.7	15.7	16.0	16.9	17.4	18.4	19.9	22.3	25.4
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	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2016-12-29

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:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm		
NAME: LED HIGH BAY LIGHTT	TYPE:YHL-ID-120-HB-VD	WEIGHT:
SPEC.:MEAN WELL	DIM.: 5000K	SERIAL No.:20161229
MFR.:	SUR.:70Ra	PROTECTION ANGLE:

Table--4

UNIT: cd

C(DEC) \ y (DEC)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344	6344				
5	6300	6301	6302	6303	6304	6306	6307	6309	6311	6313	6315	6318	6320	6323	6326				
10	6223	6224	6225	6227	6229	6231	6233	6237	6241	6246	6251	6254	6258	6263	6269				
15	6095	6099	6103	6105	6110	6117	6124	6130	6131	6135	6140	6144	6149	6153	6161				
20	5934	5937	5940	5946	5952	5958	5964	5968	5974	5986	5989	5992	5997	6004	6013				
25	5726	5731	5736	5742	5750	5756	5761	5767	5774	5779	5789	5797	5802	5811	5821				
30	5475	5481	5488	5496	5502	5512	5516	5526	5529	5536	5542	5552	5559	5569	5580				
35	5176	5185	5191	5199	5213	5217	5222	5230	5237	5247	5250	5256	5270	5274	5287				
40	4825	4833	4840	4851	4857	4864	4877	4881	4889	4895	4907	4907	4915	4926	4940				
45	4407	4414	4424	4438	4448	4452	4458	4465	4481	4480	4487	4497	4494	4514	4523				
50	3937	3945	3957	3960	3966	3976	3987	3989	3992	4003	4005	4010	4009	4018	4033				
55	3380	3382	3392	3425	3455	3431	3452	3447	3477	3470	3487	3484	3497	3491	3511				
60	2592	2602	2619	2628	2642	2670	2695	2711	2710	2735	2723	2737	2726	2673	2675				
65	1676	1718	1736	1748	1770	1787	1802	1784	1790	1728	1659	1581	1531	1497	1490				
70	797	831	866	885	879	878	887	888	835	749	663	567	483	434	430				
75	293	302	317	326	308	273	273	272	241	218	206	197	188	185	185				
80	123	126	128	126	123	118	110	103	95.3	86.6	78.1	71.2	65.1	59.6	60.8				
85	27.9	30.2	32.8	34.7	35.0	31.2	28.7	26.0	20.1	15.9	15.7	14.2	13.2	12.2	10.0				
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:2016-12-29

y Range: 0 - 90DEG
 y Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:9.410m [K=1.0000]
 Remarks: