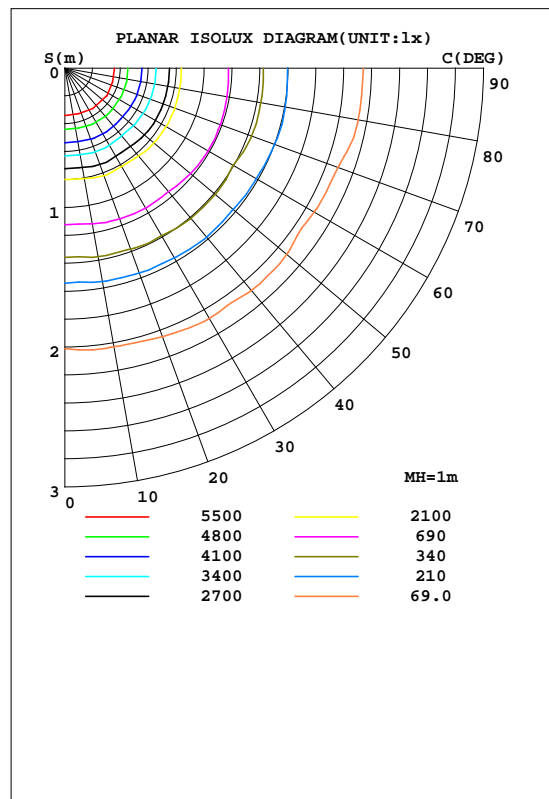
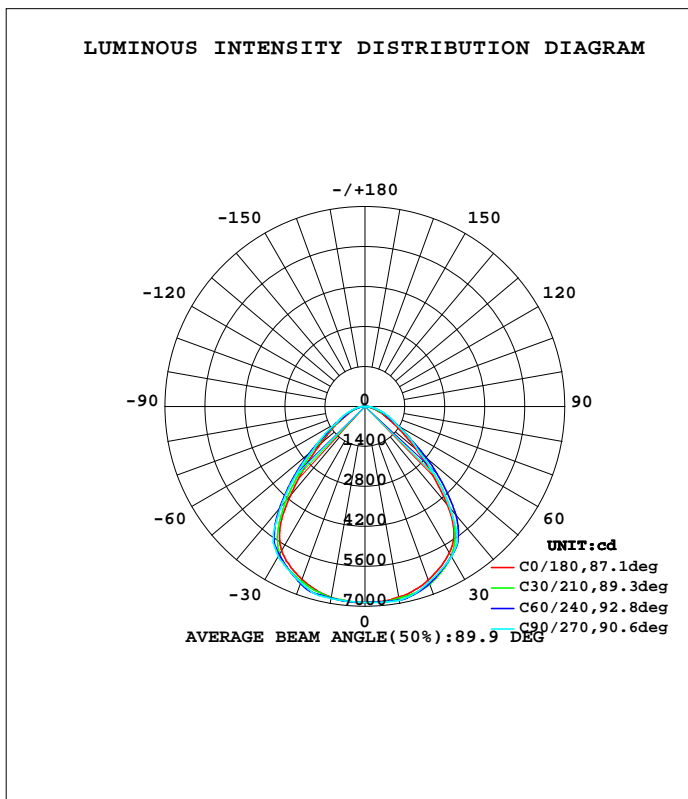


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.2V I:0.5804A P:124.1W PF:0.9666 Lamp Flux:14569.3x1 lm		
NAME: LED Highbay Light	TYPE:YHL-ID-120-HB-VD	WEIGHT:6.5Kg
SPEC.:PMMA90	DIM.:	SERIAL No.:20150716
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 117.40 lm/W			
MODEL	Nichia757-5000K-Ra70	I _{max} (cd)	6901	S/MH(C0/180)	1.26
NOMINAL POWER(W)	124	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	222	TOTAL FLUX(lm)	14569	h UP, DN(C0-180)	0.0, 49.4
NOMINAL FLUX(lm)	14569.3	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0, 50.6
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	221.1	h down(%)	100.0	CIBSE SHR MAX	1.35



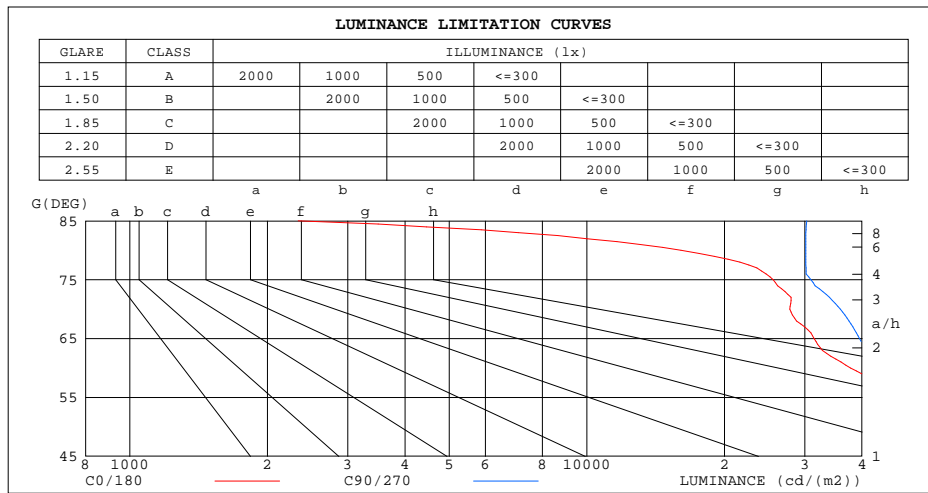
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:Ryan Chan
 Test Date:2015-07-16

Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	6840	6849	6843	6837	6853	6861	6879	6873	0- 5	163.9	163.9	1.13,1.13
10	6786	6798	6826	6805	6775	6859	6897	6852	5- 10	489.4	653.3	4.48,4.48
15	6655	6722	6785	6726	6664	6796	6772	6804	10- 15	805.2	1458	10,10
20	6451	6621	6565	6627	6469	6626	6546	6612	15- 20	1097	2556	17.5,17.5
25	6185	6314	6321	6349	6223	6345	6308	6305	20- 25	1349	3905	26.8,26.8
30	5841	5912	6078	5982	5913	5999	6070	5935	25- 30	1557	5462	37.5,37.5
35	5197	5395	5604	5548	5437	5584	5628	5448	30- 35	1702	7165	49.2,49.2
40	4059	4586	4577	4884	4488	4937	4625	4682	35- 40	1704	8869	60.9,60.9
45	2951	3280	3481	3666	3315	3695	3553	3442	40- 45	1499	10368	71.2,71.2
50	2031	2384	2384	2667	2345	2685	2480	2509	45- 50	1203	11572	79.4,79.4
55	1480	1682	1763	1856	1616	1904	1875	1787	50- 55	913.5	12485	85.7,85.7
60	1019	1122	1141	1234	1106	1281	1270	1197	55- 60	678.0	13163	90.3,90.3
65	716.7	806.7	901.5	854.2	755.0	911.2	1008	859.5	60- 65	490.1	13653	93.7,93.7
70	513.1	575.8	662.0	583.7	531.5	662.6	745.9	618.9	65- 70	369.5	14023	96.2,96.2
75	357.4	374.7	432.5	395.9	320.3	464.5	493.8	427.8	70- 75	267.3	14290	98.1,98.1
80	150.8	176.8	282.5	222.0	146.1	280.6	323.1	251.9	75- 80	169.0	14459	99.2,99.2
85	11.00	86.88	142.5	110.4	9.288	141.0	162.5	126.6	80- 85	84.59	14544	99.8,99.8
90	1.213	3.202	2.450	3.192	0.9991	2.889	1.917	4.802	85- 90	25.72	14569	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		



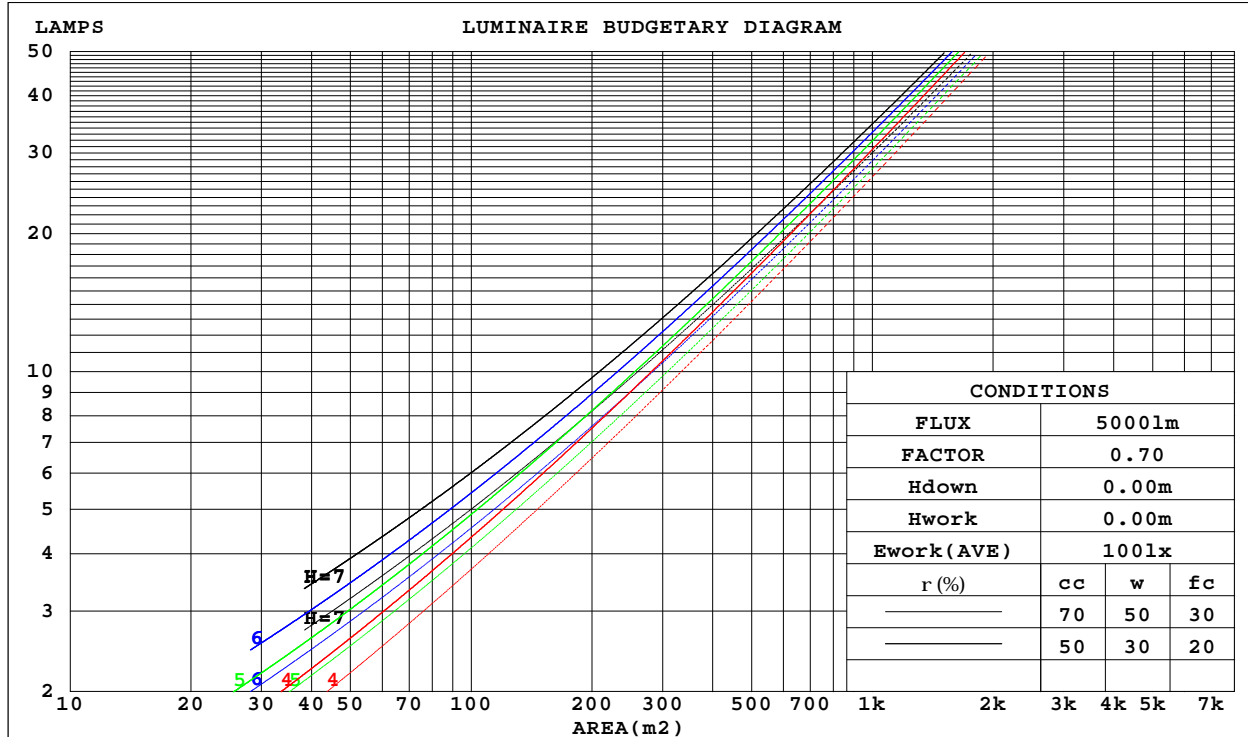
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Ryan Chan
Test Date:2015-07-16

G Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.266
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:221.2V I:0.5804A P:124.1W PF:0.9666 Lamp Flux:14569.3x1 lm		
NAME: LED Highbay Light	TYPE:YHL-ID-120-HB-VD	WEIGHT:6.5Kg
SPEC.:PMMA90	DIM.:	SERIAL No.:20150716
MFR.:	SUR.:	PROTECTION ANGLE:

r _{cc}	80%			70%			50%			30%			10%			0
r _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r _{fc}	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	1.07	1.03	1.00	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.91	.90	.88
2.0	.96	.90	.85	.94	.89	.84	.90	.86	.82	.87	.84	.80	.84	.81	.79	.77
3.0	.86	.79	.73	.84	.78	.73	.81	.76	.71	.79	.74	.70	.76	.72	.69	.67
4.0	.77	.70	.64	.76	.69	.64	.74	.68	.63	.72	.66	.62	.69	.65	.61	.59
5.0	.70	.62	.56	.69	.62	.56	.67	.61	.56	.65	.59	.55	.63	.58	.54	.53
6.0	.64	.56	.50	.63	.55	.50	.61	.55	.50	.60	.54	.49	.58	.53	.49	.47
7.0	.58	.51	.45	.58	.50	.45	.56	.49	.45	.55	.49	.44	.54	.48	.44	.42
8.0	.54	.46	.41	.53	.46	.41	.52	.45	.40	.51	.45	.40	.50	.44	.40	.38
9.0	.50	.42	.37	.49	.42	.37	.48	.41	.37	.47	.41	.36	.46	.40	.36	.35
10.0	.46	.39	.34	.45	.38	.34	.45	.38	.34	.44	.38	.33	.43	.37	.33	.32



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:Ryan Chan
 Test Date:2015-07-16

Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:221.2V I:0.5804A P:124.1W PF:0.9666 Lamp Flux:14569.3x1 lm		
NAME: LED Highbay Light	TYPE:YHL-ID-120-HB-VD	WEIGHT:6.5Kg
SPEC.:PMMA90	DIM.:	SERIAL No.:20150716
MFR.:	SUR.:	PROTECTION ANGLE:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.252	.143	.045	.245	.140	.044	.232	.133	.042	.220	.127	.041	.209	.121	.039	
2.0	.242	.133	.041	.236	.130	.040	.225	.125	.039	.214	.120	.038	.205	.116	.037	
3.0	.228	.122	.036	.223	.120	.036	.213	.116	.035	.204	.112	.034	.196	.108	.034	
4.0	.215	.112	.033	.210	.110	.033	.201	.107	.032	.193	.104	.031	.186	.101	.031	
5.0	.202	.103	.030	.198	.101	.030	.190	.099	.029	.183	.096	.029	.176	.094	.028	
6.0	.190	.095	.027	.186	.094	.027	.179	.092	.027	.173	.090	.026	.167	.088	.026	
7.0	.179	.088	.025	.175	.087	.025	.169	.086	.025	.164	.084	.024	.158	.082	.024	
8.0	.169	.082	.023	.166	.082	.023	.160	.080	.023	.155	.079	.023	.150	.077	.022	
9.0	.159	.077	.022	.157	.076	.021	.152	.075	.021	.147	.074	.021	.143	.073	.021	
10.0	.151	.072	.020	.149	.072	.020	.144	.071	.020	.140	.070	.020	.136	.068	.020	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	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	.176	.157	.139	.151	.134	.120	.103	.092	.083	.059	.054	.048	.019	.017	.016	
2.0	.166	.132	.104	.142	.114	.090	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.156	.114	.080	.134	.098	.070	.092	.068	.049	.053	.040	.029	.017	.013	.009	
4.0	.148	.100	.063	.127	.087	.055	.088	.060	.039	.051	.035	.023	.016	.012	.008	
5.0	.141	.089	.051	.121	.077	.045	.083	.054	.032	.048	.032	.019	.016	.010	.006	
6.0	.134	.081	.043	.115	.070	.037	.080	.049	.026	.046	.029	.016	.015	.009	.005	
7.0	.128	.074	.036	.110	.064	.031	.076	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.122	.068	.031	.105	.059	.027	.073	.041	.019	.042	.024	.011	.014	.008	.004	
9.0	.116	.063	.027	.100	.055	.023	.069	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.111	.059	.024	.096	.051	.021	.067	.036	.015	.039	.021	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:Ryan Chan
 Test Date:2015-07-16

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:221.2V I:0.5804A P:124.1W PF:0.9666 Lamp Flux:14569.3x1 lm										
NAME: LED Highbay Light					TYPE:YHL-ID-120-HB-VD			WEIGHT:6.5Kg		
SPEC.:PMMA90					DIM.:			SERIAL No.:20150716		
MFR.:					SUR.:			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	25.6	26.9	25.8	27.1	27.3	26.2	27.6	26.5	27.8	28.0
3H	26.1	27.3	26.4	27.5	27.8	26.8	28.1	27.1	28.3	28.5
4H	26.3	27.4	26.6	27.7	27.9	27.1	28.2	27.4	28.5	28.7
6H	26.4	27.5	26.7	27.7	28.0	27.3	28.4	27.6	28.6	28.9
8H	26.4	27.4	26.7	27.7	28.0	27.4	28.4	27.7	28.7	29.0
12H	26.3	27.3	26.7	27.6	27.9	27.4	28.4	27.8	28.7	29.0
4H 2H	25.8	27.0	26.1	27.2	27.4	26.4	27.5	26.7	27.8	28.0
3H	26.5	27.5	26.8	27.8	28.1	27.1	28.1	27.5	28.4	28.7
4H	26.8	27.7	27.2	28.0	28.3	27.5	28.4	27.8	28.7	29.0
6H	26.9	27.7	27.3	28.1	28.4	27.8	28.6	28.2	28.9	29.3
8H	26.9	27.7	27.3	28.0	28.4	27.9	28.7	28.3	29.0	29.4
12H	26.9	27.6	27.3	27.9	28.3	28.0	28.7	28.5	29.1	29.5
8H 4H	26.9	27.6	27.3	28.0	28.4	27.5	28.3	27.9	28.6	29.0
6H	27.1	27.7	27.5	28.1	28.5	27.9	28.6	28.4	29.0	29.4
8H	27.1	27.6	27.5	28.0	28.5	28.2	28.7	28.6	29.1	29.6
12H	27.0	27.5	27.5	27.9	28.4	28.4	28.8	28.8	29.3	29.7
12H 4H	26.9	27.5	27.3	27.9	28.3	27.5	28.2	27.9	28.5	28.9
6H	27.1	27.6	27.5	28.0	28.5	27.9	28.5	28.4	28.9	29.3
8H	27.1	27.6	27.6	28.0	28.5	28.2	28.6	28.6	29.1	29.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.8 / - 1.0					+ 0.6 / - 0.8				
1.5H	+ 0.8 / - 0.9					+ 0.6 / - 0.6				
2.0H	+ 1.6 / - 1.3					+ 1.6 / - 1.3				

CIE Pub.117 Corrected 14569 lm Total Lamp Luminous Flux.(8log(F/F0) = 9.3)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:Ryan Chan
 Test Date:2015-07-16

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:221.2V I:0.5804A P:124.1W PF:0.9666 Lamp Flux:14569.3x1 lm		
NAME: LED Highbay Light	TYPE:YHL-ID-120-HB-VD	WEIGHT:6.5Kg
SPEC.:PMMA90	DIM.:	SERIAL No.:20150716
MFR.:	SUR.:	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) x RCR = 5									
k = 0.60	67	57	51	66	57	51	65	56	51	45
0.80	77	67	61	76	67	61	74	66	60	55
1.00	85	76	70	84	75	69	82	76	69	63
1.25	91	82	77	90	82	76	87	80	76	69
1.50	95	87	82	94	87	81	91	85	80	74
2.00	101	94	89	99	93	88	96	91	87	80
2.50	104	97	93	102	96	92	98	94	90	83
3.00	106	101	97	104	99	95	100	97	93	86
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	103	105	102	99	91
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:Ryan Chan
 Test Date:2015-07-16

g Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

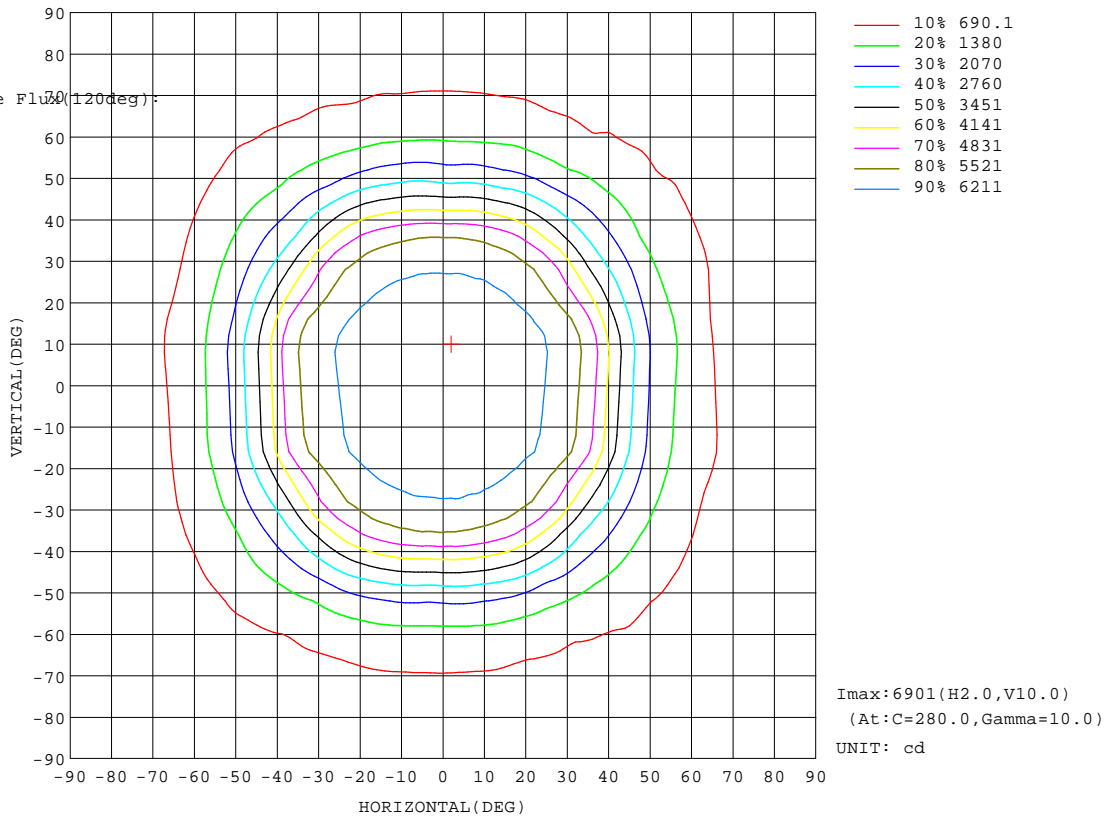
Test:U:221.2V I:0.5804A P:124.1W PF:0.9666 Lamp Flux:14569.3x1 lm		
NAME: LED Highbay Light	TYPE:YHL-ID-120-HB-VD	WEIGHT:6.5Kg
SPEC.:PMMA90	DIM.:	SERIAL No.:20150716
MFR.:	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

10368 lm
%lum = 71.2%
%lamp = 71.2%

Conical surface Flux(120deg):

13163 lm
%lum = 90.3%
%lamp = 90.3%



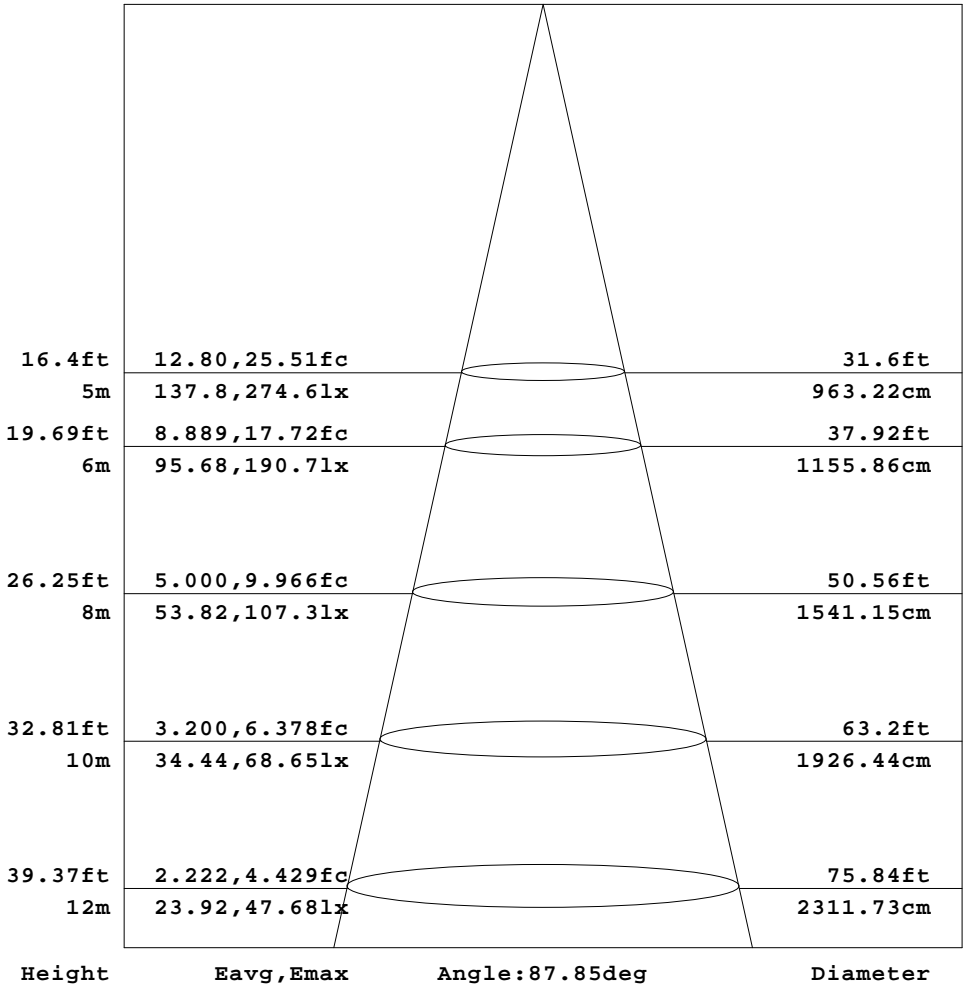
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Ryan Chan
Test Date:2015-07-16

Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.266
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:221.2V I:0.5804A P:124.1W PF:0.9666 Lamp Flux:14569.3x1 lm		
NAME: LED Highbay Light	TYPE:YHL-ID-120-HB-VD	WEIGHT:6.5Kg
SPEC.:PMMA90	DIM.:	SERIAL No.:20150716
MFR.:	SUR.:	PROTECTION ANGLE:

Flux out:10091 lm



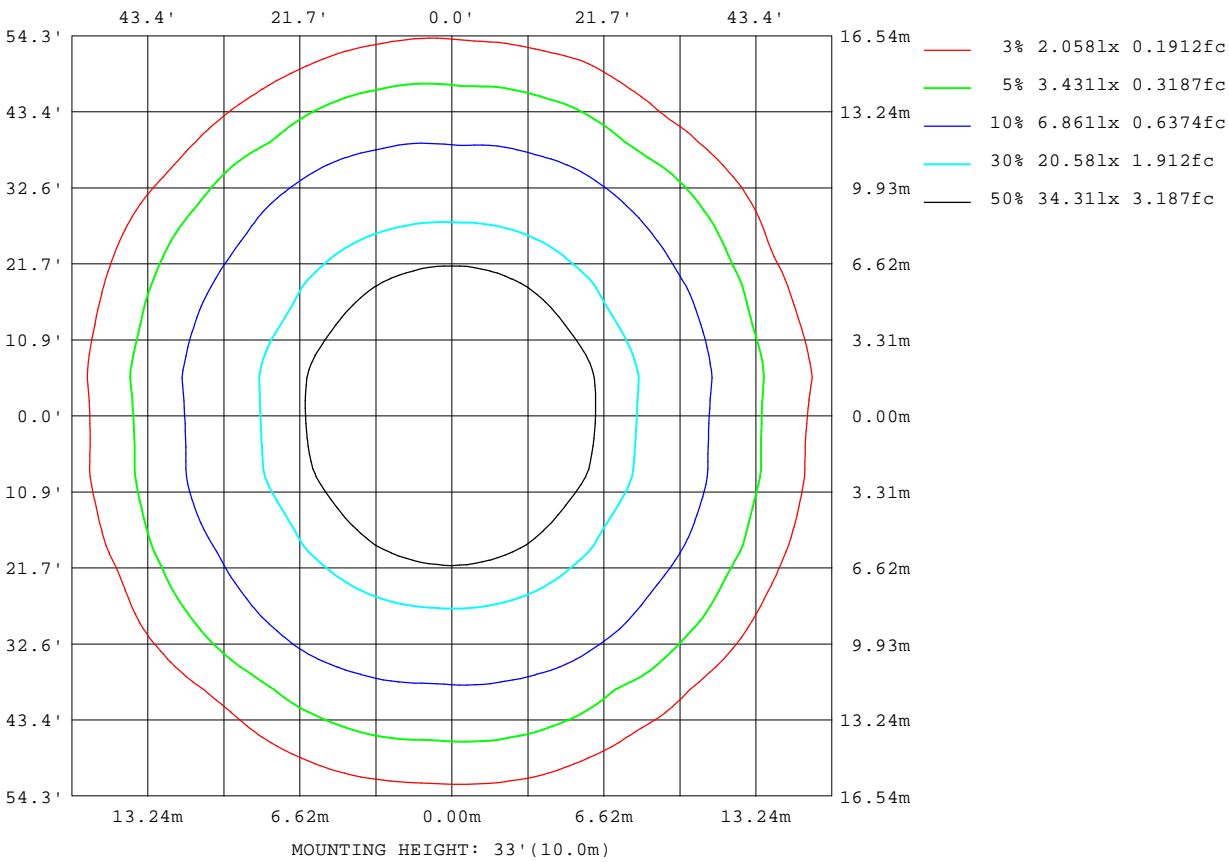
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: Ryan Chan
 Test Date: 2015-07-16

g Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.266
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

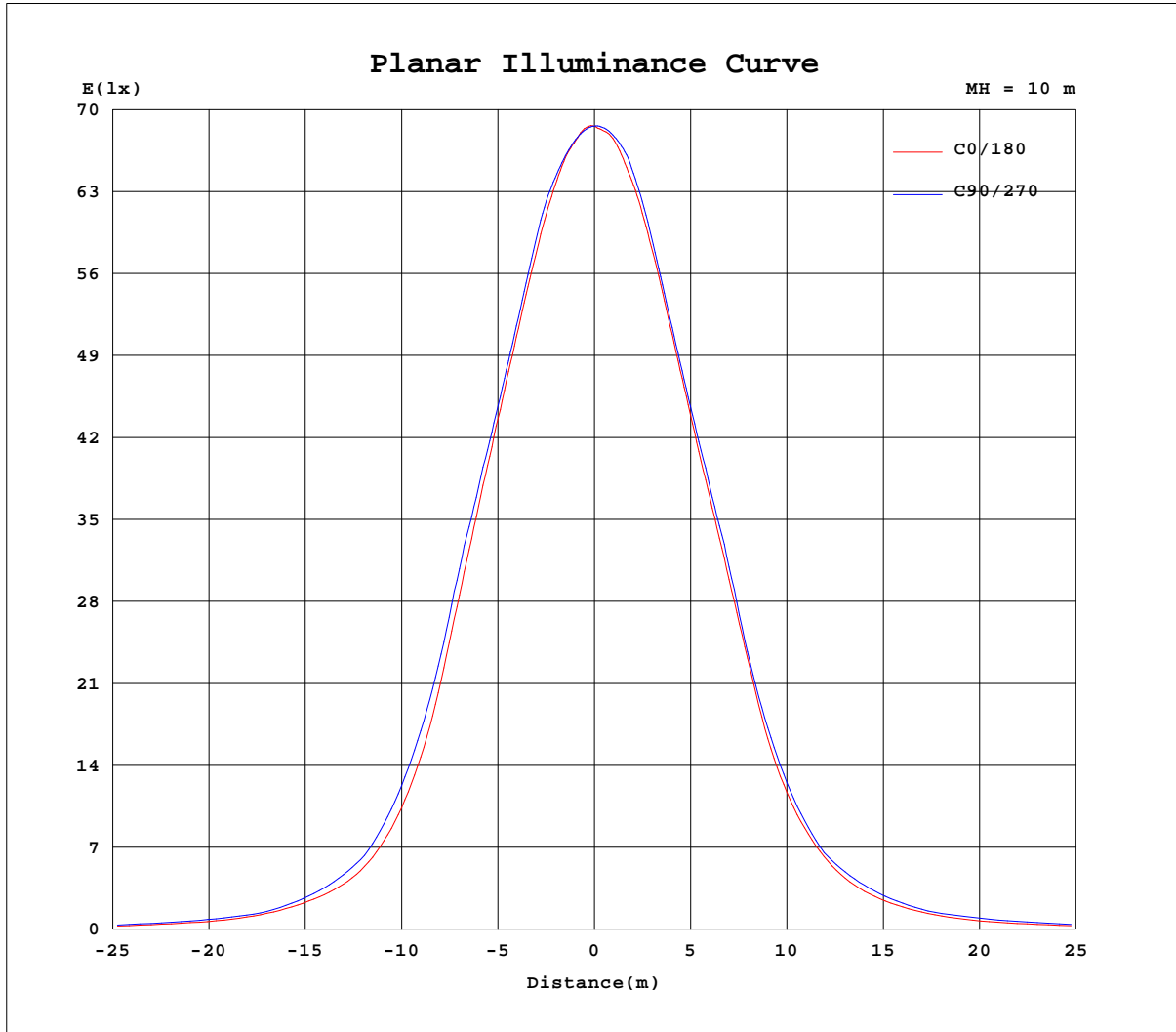
Test:U:221.2V I:0.5804A P:124.1W PF:0.9666 Lamp Flux:14569.3x1 lm		
NAME: LED Highbay Light	TYPE:YHL-ID-120-HB-VD	WEIGHT:6.5Kg
SPEC.:PMMA90	DIM.:	SERIAL No.:20150716
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:Ryan Chan
 Test Date:2015-07-16

Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: Ryan Chan
 Test Date: 2015-07-16

Page Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.266
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.2V I:0.5804A P:124.1W PF:0.9666 Lamp Flux:14569.3x1 lm		
NAME: LED Highbay Light	TYPE:YHL-ID-120-HB-VD	WEIGHT:6.5Kg
SPEC.:PMMA90	DIM.:	SERIAL No.:20150716
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861
5	6840	6838	6838	6838	6839	6840	6842	6845	6847	6849	6851	6853	6853	6853	6852	6852	6850	6847	6843
10	6786	6783	6781	6781	6784	6788	6791	6795	6797	6798	6799	6802	6809	6822	6831	6834	6835	6833	6826
15	6655	6651	6650	6655	6665	6674	6683	6692	6705	6722	6743	6762	6773	6778	6786	6798	6799	6796	6785
20	6451	6443	6443	6451	6468	6495	6516	6542	6580	6621	6617	6603	6595	6595	6578	6574	6581	6573	6565
25	6185	6180	6187	6204	6226	6264	6311	6324	6327	6314	6303	6315	6314	6314	6328	6315	6333	6326	6321
30	5841	5833	5849	5888	5931	6007	5978	5924	5906	5912	5936	5967	6000	6032	6048	6064	6080	6081	6078
35	5197	5184	5224	5312	5435	5428	5322	5286	5314	5395	5490	5574	5553	5546	5572	5598	5599	5603	5604
40	4059	4047	4121	4287	4450	4371	4309	4322	4440	4586	4579	4621	4669	4673	4654	4629	4612	4592	4577
45	2951	2946	3025	3183	3209	3209	3202	3194	3236	3280	3415	3511	3588	3608	3583	3556	3536	3510	3481
50	2031	2037	2114	2217	2248	2291	2333	2336	2329	2384	2467	2507	2540	2562	2533	2494	2457	2431	2384
55	1480	1482	1555	1546	1562	1614	1601	1652	1690	1682	1692	1659	1644	1729	1770	1793	1790	1784	1763
60	1019	1018	1048	1059	1101	1104	1132	1147	1128	1122	1157	1171	1164	1165	1156	1180	1170	1147	1141
65	717	753	743	737	763	778	796	781	819	807	799	745	796	807	818	874	897	897	902
70	513	510	556	546	545	563	564	568	603	576	572	566	584	597	603	639	651	654	662
75	357	347	346	374	353	352	364	352	366	375	373	386	383	392	393	414	414	420	433
80	151	151	149	146	152	149	145	138	148	177	205	232	237	248	252	268	268	273	283
85	11.0	12.1	12.8	20.4	11.2	17.6	30.3	47.7	65.7	86.9	103	116	120	125	127	135	135	138	142
90	1.21	3.01	3.16	2.61	2.77	2.94	3.15	3.23	3.23	3.20	3.14	3.05	2.88	2.75	2.63	2.61	2.59	2.47	2.45

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Ryan Chan
Test Date:2015-07-16

g Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.266
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.2V I:0.5804A P:124.1W PF:0.9666 Lamp Flux:14569.3x1 lm		
NAME: LED Highbay Light	TYPE:YHL-ID-120-HB-VD	WEIGHT:6.5Kg
SPEC.:PMMA90	DIM.:	SERIAL No.:20150716
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) g (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861
5	6837	6832	6830	6829	6830	6831	6832	6834	6837	6840	6842	6844	6845	6847	6848	6850	6852	6853	6855
10	6813	6811	6812	6817	6821	6823	6817	6811	6805	6796	6788	6781	6775	6772	6771	6771	6772	6775	6779
15	6772	6777	6790	6800	6790	6774	6754	6736	6726	6719	6709	6698	6684	6673	6665	6661	6660	6664	6672
20	6556	6565	6582	6589	6590	6595	6620	6634	6627	6601	6568	6541	6519	6497	6479	6467	6464	6469	6481
25	6314	6320	6330	6327	6323	6333	6340	6343	6349	6366	6361	6336	6293	6255	6228	6217	6215	6223	6240
30	6069	6070	6078	6059	6049	6045	6026	6002	5982	5979	5989	6038	6032	5982	5942	5914	5904	5913	5938
35	5596	5638	5649	5653	5642	5649	5670	5604	5548	5489	5463	5486	5585	5609	5522	5459	5428	5437	5484
40	4572	4636	4696	4757	4814	4867	4848	4842	4884	4787	4660	4629	4699	4830	4732	4575	4487	4488	4576
45	3472	3546	3621	3678	3733	3776	3781	3724	3666	3635	3570	3505	3532	3570	3578	3413	3320	3315	3399
50	2371	2466	2543	2606	2677	2738	2739	2700	2667	2596	2553	2510	2541	2555	2555	2451	2352	2345	2434
55	1756	1804	1835	1841	1837	1819	1779	1816	1856	1861	1847	1820	1799	1753	1711	1691	1621	1616	1686
60	1150	1179	1223	1244	1250	1252	1234	1235	1234	1263	1284	1241	1198	1223	1189	1197	1143	1106	1138
65	900	905	913	894	853	826	814	826	854	864	853	853	854	839	803	809	766	755	787
70	658	661	666	655	630	615	612	582	584	575	619	602	594	579	576	548	524	532	569
75	425	425	426	421	414	409	412	400	396	389	406	389	372	371	349	333	357	320	326
80	277	275	274	269	261	254	249	241	222	203	182	173	171	164	151	151	144	146	166
85	140	139	138	135	131	129	125	121	110	95.1	71.3	48.9	31.0	16.3	22.1	17.2	11.9	9.29	17.0
90	2.44	2.44	2.47	2.54	2.59	2.73	2.87	3.01	3.19	3.15	3.17	3.27	3.33	3.48	3.64	3.76	2.72	1.00	1.75

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:Ryan Chan
 Test Date:2015-07-16

g Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.2V I:0.5804A P:124.1W PF:0.9666 Lamp Flux:14569.3x1 lm		
NAME: LED Highbay Light	TYPE:YHL-ID-120-HB-VD	WEIGHT:6.5Kg
SPEC.:PMMA90	DIM.:	SERIAL No.:20150716
MFR.:	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

C (DEG) g (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861
5	6856	6857	6859	6860	6861	6861	6861	6861	6861	6860	6861	6862	6863	6865	6867	6873	6879	6881	6883
10	6785	6792	6800	6809	6821	6834	6847	6859	6870	6879	6883	6882	6880	6880	6882	6886	6897	6900	6901
15	6683	6699	6718	6738	6760	6777	6797	6796	6790	6791	6793	6797	6801	6794	6783	6773	6772	6783	6792
20	6502	6530	6564	6602	6629	6625	6627	6626	6624	6617	6598	6581	6574	6575	6565	6553	6546	6556	6567
25	6266	6301	6350	6370	6370	6372	6356	6345	6343	6338	6339	6334	6322	6327	6323	6316	6308	6311	6324
30	5980	6036	6070	6068	6043	6007	5988	5999	6013	6035	6055	6071	6074	6075	6084	6078	6070	6067	6076
35	5568	5667	5670	5602	5511	5486	5527	5584	5637	5699	5680	5674	5679	5684	5668	5650	5628	5648	5649
40	4750	4844	4846	4714	4638	4665	4817	4937	4918	4943	4956	4894	4822	4767	4722	4671	4625	4647	4685
45	3571	3603	3569	3541	3526	3583	3617	3695	3785	3873	3885	3852	3785	3725	3687	3621	3553	3571	3631
50	2541	2542	2559	2574	2563	2560	2584	2685	2767	2797	2826	2815	2757	2684	2652	2575	2480	2500	2574
55	1733	1735	1786	1824	1863	1884	1871	1904	1911	1850	1882	1952	1975	1966	1959	1931	1875	1874	1900
60	1189	1206	1249	1280	1317	1313	1267	1281	1324	1336	1331	1317	1324	1330	1301	1290	1270	1252	1265
65	783	814	826	877	917	907	903	911	900	895	923	910	951	1001	1001	1014	1008	992	982
70	548	563	580	611	631	669	649	663	662	673	698	677	705	742	730	746	746	739	729
75	373	365	378	414	420	442	459	465	471	468	477	449	466	491	469	488	494	495	483
80	166	180	196	211	223	233	263	281	293	296	301	286	298	319	304	318	323	324	315
85	25.9	33.3	34.2	54.8	84.5	103	125	141	146	149	152	145	149	161	153	160	163	163	159
90	2.01	2.26	2.27	2.28	2.32	2.52	2.73	2.89	2.84	2.71	2.58	2.46	2.30	2.14	2.02	1.92	1.92	2.28	2.80

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:Ryan Chan
 Test Date:2015-07-16

Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.2V I:0.5804A P:124.1W PF:0.9666 Lamp Flux:14569.3x1 lm		
NAME: LED Highbay Light	TYPE:YHL-ID-120-HB-VD	WEIGHT:6.5Kg
SPEC.:PMMA90	DIM.:	SERIAL No.:20150716
MFR.:	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

C(DEG) g (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861	6861				
5	6884	6883	6883	6882	6881	6878	6873	6869	6864	6859	6855	6851	6847	6844	6841				
10	6900	6894	6884	6870	6861	6855	6852	6848	6842	6833	6825	6814	6805	6797	6791				
15	6798	6797	6788	6790	6798	6803	6804	6800	6772	6746	6725	6707	6691	6676	6664				
20	6572	6565	6578	6598	6599	6604	6612	6616	6610	6602	6573	6540	6511	6486	6465				
25	6314	6314	6323	6308	6311	6312	6305	6317	6340	6336	6337	6326	6282	6235	6203				
30	6055	6063	6030	6020	5985	5955	5935	5913	5934	5974	6016	6004	5975	5916	5870				
35	5674	5640	5611	5601	5621	5535	5448	5365	5317	5335	5435	5489	5492	5367	5260				
40	4730	4751	4773	4777	4714	4666	4682	4518	4384	4350	4388	4467	4456	4361	4162				
45	3659	3679	3710	3695	3621	3533	3442	3353	3235	3238	3230	3229	3236	3235	3046				
50	2590	2626	2672	2664	2616	2563	2509	2456	2402	2386	2341	2284	2240	2215	2109				
55	1889	1891	1849	1771	1708	1767	1787	1761	1717	1628	1601	1552	1549	1576	1535				
60	1293	1321	1273	1235	1213	1224	1197	1196	1191	1129	1120	1111	1095	1099	1089				
65	974	964	886	842	809	804	859	846	832	807	835	826	816	747	717				
70	711	709	666	635	617	595	619	606	610	605	598	595	552	534	558				
75	453	469	455	442	438	443	428	430	415	418	408	408	359	376	360				
80	291	305	290	285	282	284	252	249	222	208	203	202	183	183	175				
85	147	155	146	145	143	144	127	121	96.7	70.1	45.7	27.8	31.0	23.4	16.6				
90	3.23	3.67	4.00	4.47	4.81	5.08	4.80	4.33	3.79	3.35	2.84	2.48	2.09	1.86	1.38				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:Ryan Chan
 Test Date:2015-07-16

g Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks: