



Light Output Ratio:	100.0%	
Luminaire Power:	235.2 W	
SHR Nominal:	0.75	Calculated using the TM5
SHR Maximum:	0.90	fine grid method.

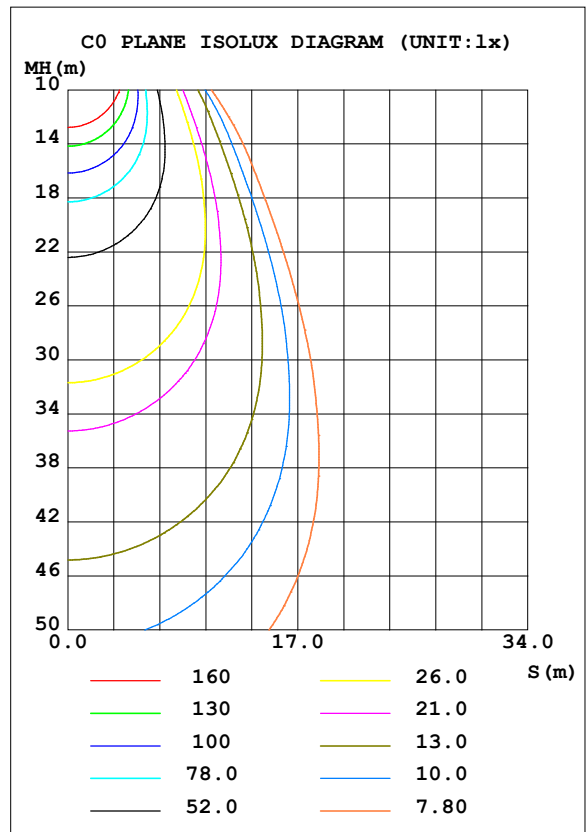
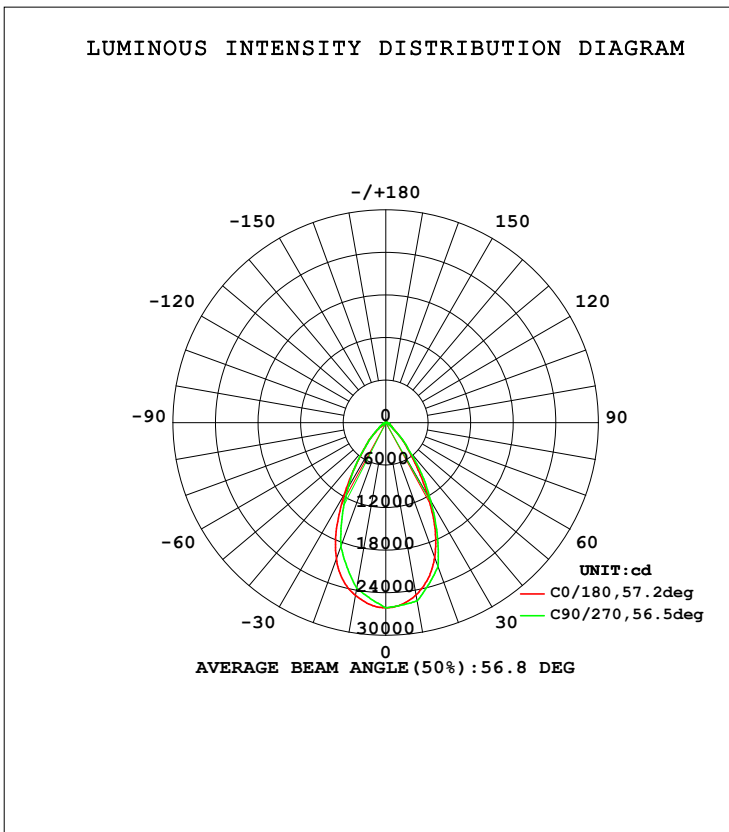
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZJ
 Test Date:2014-09-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.810m [K=1.0000]
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.8V I:1.089A P:235.2W PF:0.9825 Lamp Flux:25207.7x1 lm		
NAME: THE LED High Bay LIGHT LIGHT	TYPE:LED	WEIGHT:9.55KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 554*303.6*196MM	SERIAL No.:1
MFR.: AOK	SUR.:230*484MM	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 107.18 lm/W			
MODEL	AOK-240Wi	I _{max} (cd)	26112	S/MH (C0/180)	0.86
NOMINAL POWER (W)	240	LOR (%)	100.0	S/MH (C90/270)	0.83
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	25208	η UP, DN (C0-180)	0.0, 52.0
NOMINAL FLUX (lm)	25207.7	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 48.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	219.969	η down (%)	100.0	CIBSE SHR MAX	0.90



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: ZZJ
 Test Date: 2014-09-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.810m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	2574	2574	2582	2572	2575	2509	2491	2508	0- 5	614.6	614.6	2.44,2.44
10	2467	2504	2554	2499	2473	2379	2371	2379	5- 10	1785	2399	9.52,9.52
15	2286	2383	2356	2373	2311	2205	2113	2202	10- 15	2799	5198	20.6,20.6
20	2020	2106	2158	2107	2043	1918	1855	1910	15- 20	3524	8722	34.6,34.6
25	1644	1774	1711	1792	1645	1589	1462	1582	20- 25	3839	12561	49.8,49.8
30	1190	1325	1264	1333	1165	1171	1069	1180	25- 30	3588	16149	64.1,64.1
35	775.1	861.8	884.1	839.4	746.8	752.7	757.3	777.5	30- 35	2902	19051	75.6,75.6
40	490.2	516.4	503.9	491.0	456.1	448.1	446.1	472.2	35- 40	2106	21157	83.9,83.9
45	304.2	315.0	324.2	296.2	290.4	267.4	293.5	288.0	40- 45	1435	22592	89.6,89.6
50	150.0	149.7	144.4	131.7	127.4	122.9	141.0	149.7	45- 50	883.8	23476	93.1,93.1
55	90.49	93.13	102.5	84.31	78.84	82.09	100.8	99.37	50- 55	497.9	23974	95.1,95.1
60	58.59	58.57	60.51	55.98	53.48	54.28	60.60	62.76	55- 60	332.6	24306	96.4,96.4
65	46.46	47.73	49.62	45.92	43.14	45.08	49.57	48.60	60- 65	247.2	24554	97.4,97.4
70	38.73	39.88	38.73	38.53	35.92	38.02	38.53	39.76	65- 70	212.3	24766	98.2,98.2
75	30.11	33.48	27.97	32.05	27.80	31.64	27.78	33.20	70- 75	182.7	24949	99,99
80	22.01	25.98	17.22	24.18	19.32	23.88	17.02	25.37	75- 80	151.3	25100	99.6,99.6
85	6.446	8.996	0	8.011	5.133	8.044	0	8.509	80- 85	96.47	25196	100,100
90	0.0739	0	0	0	0.0688	0	0	0	85- 90	11.30	25208	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:×10cd								UNIT:lm			

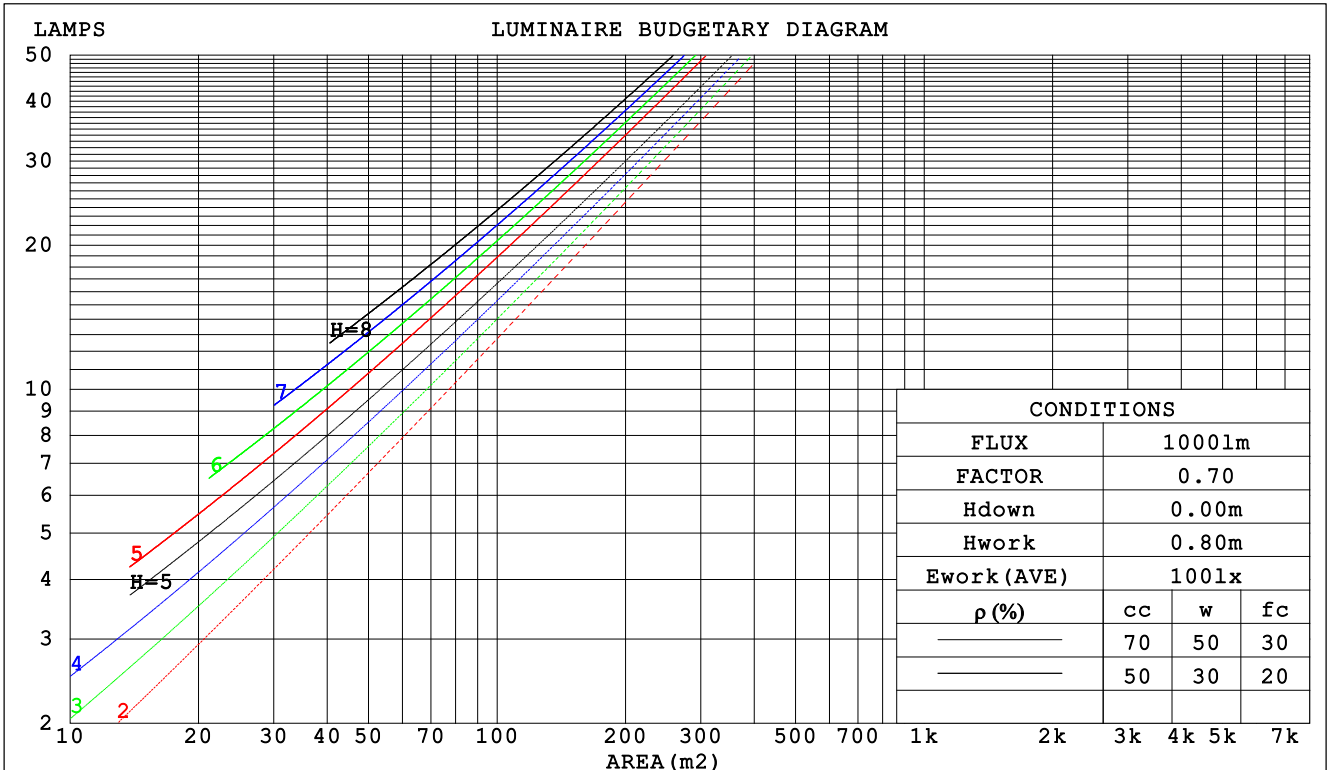
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZJ
 Test Date:2014-09-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.810m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.8V I:1.089A P:235.2W PF:0.9825 Lamp Flux:25207.7x1 lm		
NAME: THE LED High Bay LIGHT LIGHT	TYPE:LED	WEIGHT:9.55KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 554*303.6*196MM	SERIAL No.:1
MFR.: AOK	SUR.:230*484MM	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						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	1.10	1.07	1.04	1.07	1.05	1.03	1.03	1.01	.99	.00	.98	.97	.96	.95	.94	.92
2.0	1.01	.97	.93	.99	.95	.92	.96	.93	.90	.93	.90	.88	.90	.88	.86	.84
3.0	.93	.88	.84	.92	.87	.83	.89	.85	.82	.87	.83	.80	.85	.82	.79	.77
4.0	.87	.81	.76	.85	.80	.76	.83	.78	.75	.81	.77	.74	.79	.76	.73	.71
5.0	.81	.74	.70	.80	.74	.69	.78	.73	.69	.76	.72	.68	.75	.71	.67	.66
6.0	.75	.69	.64	.74	.68	.64	.73	.68	.64	.71	.67	.63	.70	.66	.63	.61
7.0	.70	.64	.60	.70	.64	.59	.68	.63	.59	.67	.62	.59	.66	.62	.58	.57
8.0	.66	.60	.55	.66	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.55	.53
9.0	.62	.56	.52	.62	.56	.52	.61	.55	.51	.60	.55	.51	.59	.54	.51	.50
10.0	.59	.53	.49	.58	.52	.48	.57	.52	.48	.57	.52	.48	.56	.51	.48	.47



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZJ
 Test Date:2014-09-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.810m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:219.8V I:1.089A P:235.2W PF:0.9825 Lamp Flux:25207.7x1 lm		
NAME: THE LED High Bay LIGHT LIGHT	TYPE:LED	WEIGHT:9.55KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 554*303.6*196MM	SERIAL No.:1
MFR.: AOK	SUR.:230*484MM	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	.200	.114	.036	.193	.110	.035	.180	.103	.033	.169	.097	.031	.158	.091	.029	
2.0	.190	.104	.032	.184	.102	.031	.174	.097	.030	.164	.092	.029	.155	.087	.028	
3.0	.180	.096	.029	.175	.094	.028	.166	.090	.027	.157	.086	.026	.149	.083	.026	
4.0	.170	.088	.026	.166	.087	.026	.158	.084	.025	.150	.081	.024	.144	.078	.024	
5.0	.161	.082	.024	.158	.081	.024	.150	.078	.023	.144	.076	.023	.138	.074	.022	
6.0	.153	.077	.022	.150	.076	.022	.144	.074	.021	.138	.072	.021	.132	.070	.021	
7.0	.145	.072	.020	.143	.071	.020	.137	.069	.020	.132	.068	.020	.127	.066	.019	
8.0	.139	.068	.019	.136	.067	.019	.131	.065	.019	.126	.064	.018	.122	.063	.018	
9.0	.132	.064	.018	.130	.063	.018	.125	.062	.018	.121	.061	.017	.117	.060	.017	
10.0	.126	.061	.017	.124	.060	.017	.120	.059	.017	.116	.058	.016	.113	.057	.016	

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	.173	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.050	.019	.017	.016	
2.0	.159	.132	.110	.136	.114	.095	.093	.079	.067	.054	.046	.039	.017	.015	.013	
3.0	.147	.114	.087	.126	.098	.075	.087	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.137	.099	.070	.118	.086	.061	.081	.060	.043	.047	.035	.025	.015	.011	.008	
5.0	.129	.088	.057	.111	.076	.050	.076	.053	.035	.044	.031	.021	.014	.010	.007	
6.0	.122	.079	.048	.105	.068	.042	.072	.048	.029	.042	.028	.018	.014	.009	.006	
7.0	.115	.071	.040	.099	.062	.035	.069	.043	.025	.040	.026	.015	.013	.008	.005	
8.0	.110	.065	.035	.094	.057	.030	.065	.040	.021	.038	.023	.013	.012	.008	.004	
9.0	.104	.060	.030	.090	.052	.026	.062	.037	.019	.036	.022	.011	.012	.007	.004	
10.0	.100	.056	.026	.086	.048	.023	.060	.034	.016	.035	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZJ
 Test Date:2014-09-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.810m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:219.8V I:1.089A P:235.2W PF:0.9825 Lamp Flux:25207.7x1 lm		
NAME: THE LED High Bay LIGHT LIGHT	TYPE:LED	WEIGHT:9.55KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 554*303.6*196MM	SERIAL No.:1
MFR.: AOK	SUR.:230*484MM	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	21.2	22.3	21.4	22.4	22.6	21.6	22.7	21.9	22.9	23.0
3H	21.4	22.4	21.7	22.6	22.8	21.8	22.8	22.1	23.0	23.2
4H	21.6	22.5	21.9	22.7	22.9	21.9	22.9	22.2	23.1	23.3
6H	21.8	22.7	22.1	22.9	23.2	22.1	22.9	22.4	23.2	23.4
8H	21.9	22.7	22.2	23.0	23.2	22.1	22.9	22.4	23.2	23.5
12H	21.9	22.7	22.3	23.0	23.3	22.1	22.9	22.4	23.1	23.4
4H 2H	21.1	22.0	21.4	22.3	22.5	21.5	22.5	21.8	22.7	22.9
3H	21.5	22.3	21.8	22.6	22.8	21.9	22.6	22.2	22.9	23.2
4H	21.8	22.5	22.2	22.8	23.2	22.1	22.9	22.5	23.2	23.5
6H	22.3	22.9	22.7	23.2	23.6	22.5	23.1	22.8	23.4	23.8
8H	22.5	23.1	22.9	23.4	23.8	22.5	23.1	22.9	23.5	23.8
12H	22.6	23.1	23.0	23.5	23.9	22.5	23.0	22.9	23.4	23.8
8H 4H	21.9	22.5	22.3	22.9	23.3	22.2	22.8	22.6	23.2	23.5
6H	22.6	23.1	23.1	23.5	23.9	22.8	23.2	23.2	23.6	24.0
8H	23.0	23.4	23.5	23.9	24.3	22.9	23.3	23.4	23.7	24.2
12H	23.3	23.7	23.8	24.1	24.6	22.9	23.3	23.4	23.7	24.2
12H 4H	22.0	22.5	22.4	22.9	23.3	22.2	22.8	22.7	23.2	23.5
6H	22.7	23.1	23.2	23.5	24.0	22.8	23.3	23.3	23.7	24.1
8H	23.2	23.5	23.6	24.0	24.4	23.0	23.4	23.5	23.8	24.3
Variations with the observer position at spacings:										
S = 1.0H	+ 1.1 / - 1.5					+ 1.3 / - 1.9				
1.5H	+ 2.0 / - 1.5					+ 2.5 / - 2.1				
2.0H	+ 2.4 / - 1.0					+ 2.8 / - 1.3				

CIE Pub.117 Corrected 25208 lm Total Lamp Luminous Flux. (8log(F/F0) = 11.2)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZJ
 Test Date:2014-09-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.810m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:219.8V I:1.089A P:235.2W PF:0.9825 Lamp Flux:25207.7x1 lm		
NAME: THE LED High Bay LIGHT LIGHT	TYPE:LED	WEIGHT:9.55KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 554*303.6*196MM	SERIAL No.:1
MFR.: AOK	SUR.:230*484MM	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	82	74	70	81	74	70	80	74	70	65
0.80	90	83	78	89	82	78	88	82	78	73
1.00	95	88	84	94	88	84	92	88	83	79
1.25	100	94	89	99	93	89	96	92	88	84
1.50	103	97	93	102	96	93	99	95	92	87
2.00	106	101	98	105	100	97	102	98	95	90
2.50	108	104	100	107	103	99	103	100	97	91
3.00	110	106	103	108	105	102	105	102	100	93
4.00	112	109	106	110	107	105	107	104	102	95
5.00	114	111	109	112	109	107	108	106	104	96
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:25.3DEG
 Operators:ZZJ
 Test Date:2014-09-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.810m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

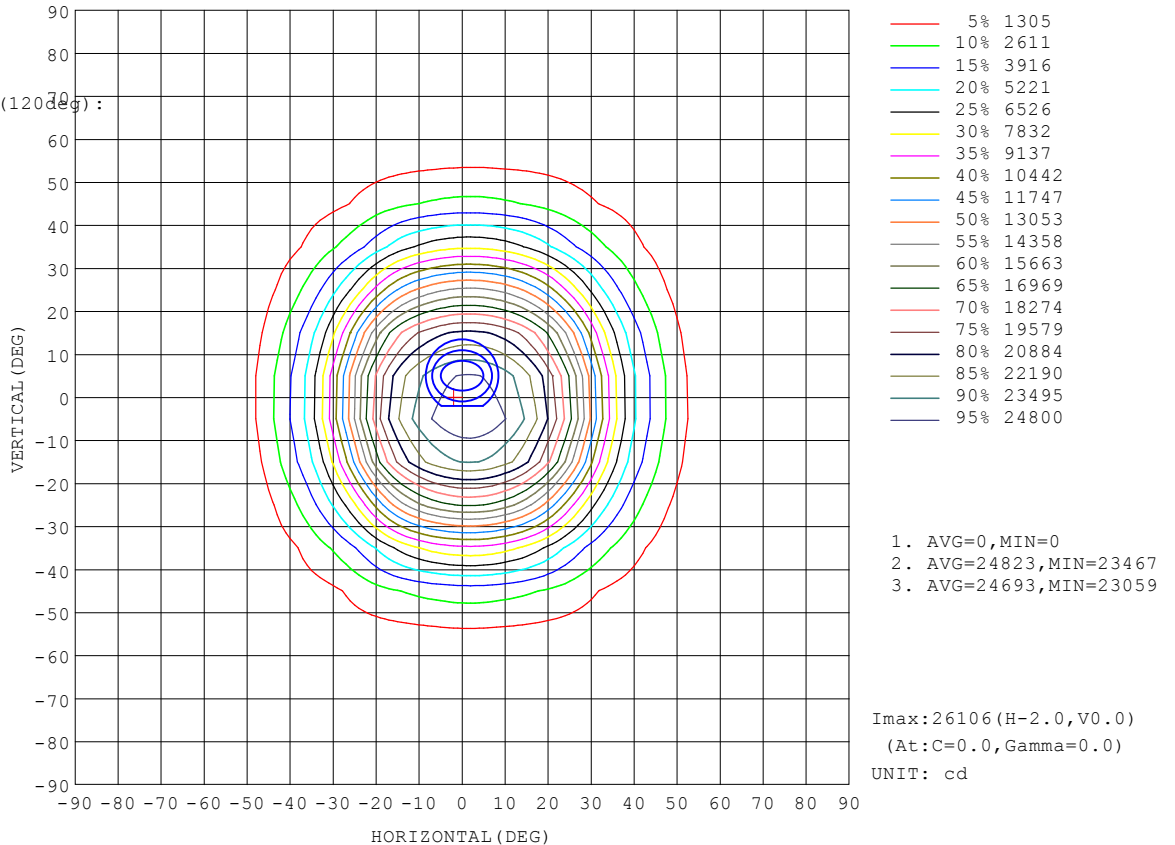
Test:U:219.8V I:1.089A P:235.2W PF:0.9825 Lamp Flux:25207.7x1 lm		
NAME: THE LED High Bay LIGHT LIGHT	TYPE:LED	WEIGHT:9.55KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 554*303.6*196MM	SERIAL No.:1
MFR.: AOK	SUR.:230*484MM	PROTECTION ANGLE:

Conical surface Flux(90deg):

22592 lm
%lum = 89.6%
%lamp = 89.6%

Conical surface Flux(120deg):

24306 lm
%lum = 96.4%
%lamp = 96.4%



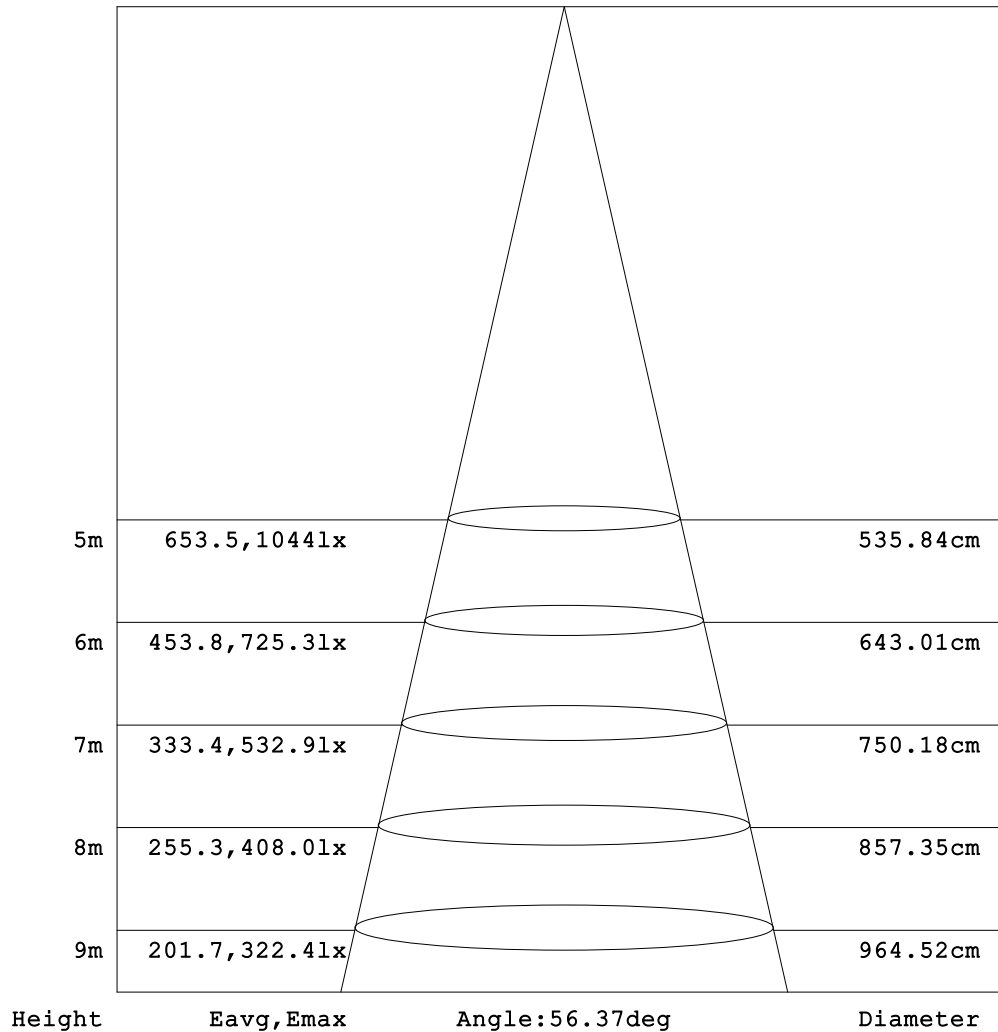
C Range: 0 - 360DEG
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γ Range: 0 - 90DEG
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.810m [K=1.0000]
Remarks:

AAI Figure

Test:U:219.8V I:1.089A P:235.2W PF:0.9825 Lamp Flux:25207.7x1 lm		
NAME: THE LED High Bay LIGHT LIGHT	TYPE:LED	WEIGHT:9.55KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 554*303.6*196MM	SERIAL No.:1
MFR.: AOK	SUR.:230*484MM	PROTECTION ANGLE:

Flux out:15131 lm



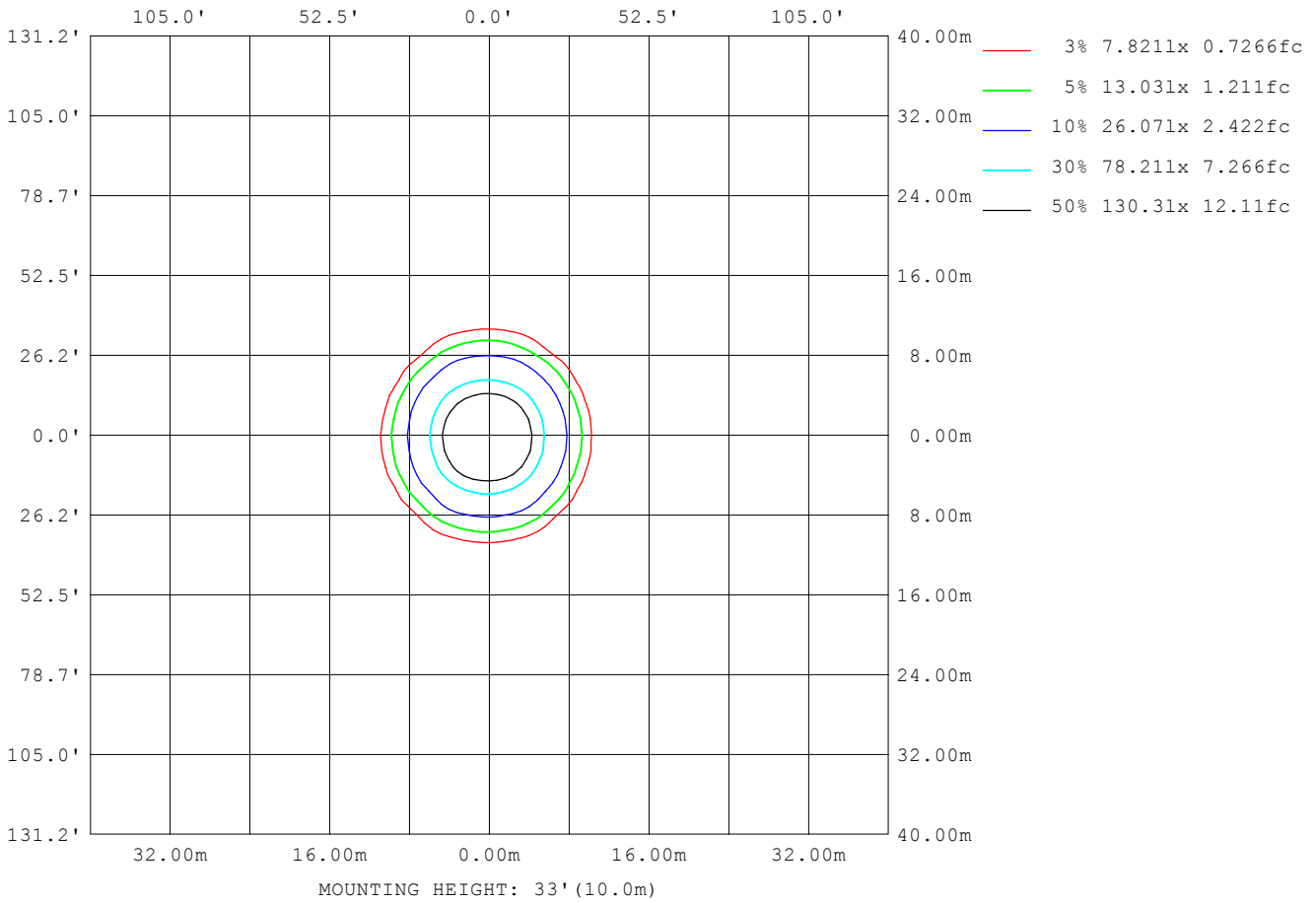
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZJ
 Test Date:2014-09-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.810m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:219.8V I:1.089A P:235.2W PF:0.9825 Lamp Flux:25207.7x1 lm		
NAME: THE LED High Bay LIGHT LIGHT	TYPE:LED	WEIGHT:9.55KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 554*303.6*196MM	SERIAL No.:1
MFR.: AOK	SUR.:230*484MM	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZJ
 Test Date:2014-09-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.810m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:219.8V I:1.089A P:235.2W PF:0.9825 Lamp Flux:25207.7x1 lm		
NAME: THE LED High Bay LIGHT LIGHT	TYPE:LED	WEIGHT:9.55KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 554*303.6*196MM	SERIAL No.:1
MFR.: AOK	SUR.:230*484MM	PROTECTION ANGLE:

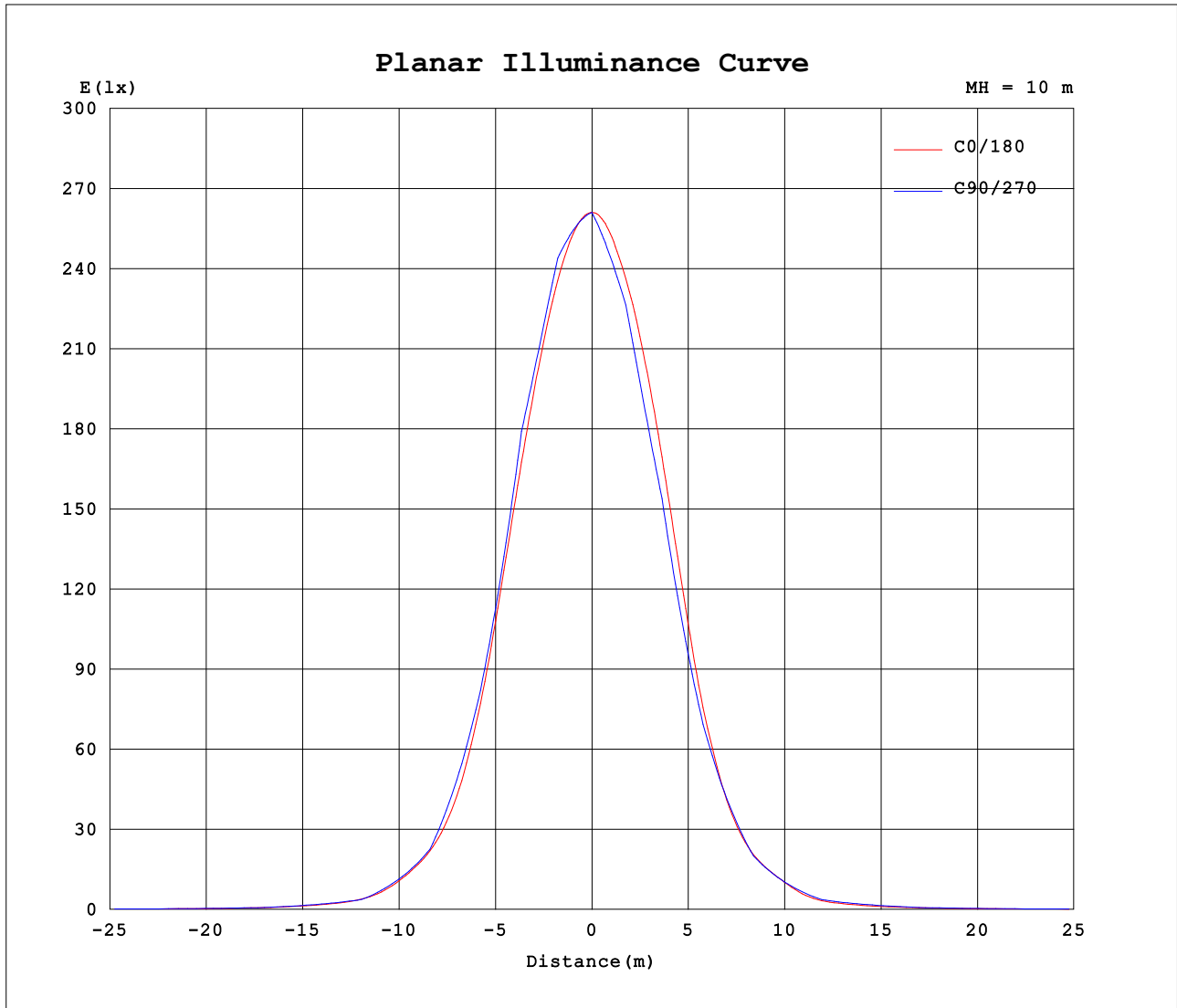
AvgL	cd/m2
L_0~180 (65) av	10601
L_0~180 (75) av	11186
L_0~180 (85) av	6643
L_90~270 (65) av	11735
L_90~270 (75) av	10770
L_90~270 (85) av	0
L_45 (65) av	11082
L_45 (75) av	12592
L_45 (85) av	9627

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZJ
 Test Date:2014-09-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.810m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: ZZJ
 Test Date: 2014-09-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.810m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.8V I:1.089A P:235.2W PF:0.9825 Lamp Flux:25207.7x1 lm		
NAME: THE LED High Bay LIGHT LIGHT	TYPE:LED	WEIGHT:9.55KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 554*303.6*196MM	SERIAL No.:1
MFR.: AOK	SUR.:230*484MM	PROTECTION ANGLE:

Table--1

UNIT: ×10cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611
5	2574	2572	2571	2570	2570	2570	2570	2571	2572	2574	2575	2576	2578	2579	2580	2581	2582	2582	2582
10	2467	2464	2464	2466	2469	2474	2480	2487	2495	2504	2513	2522	2531	2538	2544	2548	2551	2554	2554
15	2286	2283	2285	2292	2305	2321	2341	2363	2386	2383	2372	2364	2359	2357	2358	2357	2356	2356	2356
20	2020	2014	2018	2033	2058	2090	2118	2108	2104	2106	2111	2118	2125	2132	2140	2148	2153	2156	2158
25	1644	1635	1645	1672	1714	1729	1723	1730	1747	1774	1805	1798	1778	1758	1741	1729	1720	1713	1711
30	1190	1179	1191	1224	1249	1247	1260	1289	1322	1325	1322	1317	1308	1298	1287	1278	1273	1267	1264
35	775	766	776	805	802	807	822	843	857	862	859	851	875	892	896	893	890	886	884
40	490	485	493	498	500	505	512	524	525	516	535	557	569	567	553	532	516	507	504
45	304	300	311	304	308	309	309	317	319	315	317	321	327	332	331	327	324	324	324
50	150	150	155	155	157	160	159	169	166	150	169	184	188	182	171	160	152	146	144
55	90.5	89.0	89.0	90.0	91.1	91.6	92.0	89.4	90.3	93.1	94.5	88.0	86.7	90.7	93.8	96.6	98.6	101	102
60	58.6	57.3	56.2	56.7	57.4	59.1	58.1	60.8	60.3	58.6	61.3	62.4	62.9	62.5	61.1	59.1	57.4	58.0	60.5
65	46.5	45.7	45.1	44.9	45.1	45.4	46.1	46.0	46.8	47.7	47.8	46.5	46.5	46.6	46.6	46.6	46.8	47.9	49.6
70	38.7	38.5	38.4	38.6	38.9	39.2	39.4	39.5	39.7	39.9	40.0	40.0	39.9	39.8	39.6	39.2	38.8	38.6	38.7
75	30.1	30.4	31.6	32.5	33.2	33.4	33.6	33.7	33.5	33.5	33.3	33.5	33.5	33.3	32.9	32.3	31.3	29.1	28.0
80	22.0	23.2	26.9	28.7	29.2	29.7	28.9	27.5	27.8	26.0	25.6	27.2	27.4	27.0	26.4	25.5	23.9	19.8	17.2
85	6.45	7.64	13.6	17.7	15.6	15.2	14.4	15.3	13.0	9.00	6.64	5.45	3.96	2.66	1.64	0.88	0.36	0.08	0.00
90	0.07	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:25.3DEG
 Operators:ZZJ
 Test Date:2014-09-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.810m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.8V I:1.089A P:235.2W PF:0.9825 Lamp Flux:25207.7x1 lm		
NAME: THE LED High Bay LIGHT LIGHT	TYPE:LED	WEIGHT:9.55KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 554*303.6*196MM	SERIAL No.:1
MFR.: AOK	SUR.:230*484MM	PROTECTION ANGLE:

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611
5	2582	2582	2581	2579	2578	2576	2575	2573	2572	2571	2570	2569	2569	2569	2569	2571	2572	2575	2565
10	2552	2549	2545	2539	2532	2525	2516	2507	2499	2491	2484	2478	2473	2469	2467	2467	2469	2473	2455
15	2355	2354	2354	2353	2353	2356	2360	2366	2373	2376	2356	2338	2322	2311	2304	2301	2304	2311	2285
20	2156	2153	2148	2141	2135	2127	2120	2112	2107	2105	2107	2112	2087	2057	2038	2029	2030	2043	2011
25	1712	1718	1727	1743	1762	1785	1810	1823	1792	1759	1730	1711	1704	1684	1646	1627	1626	1645	1613
30	1264	1267	1274	1286	1298	1311	1324	1333	1333	1326	1274	1229	1201	1189	1171	1147	1145	1165	1136
35	884	886	892	895	890	870	838	840	839	832	814	791	771	759	757	736	731	747	724
40	507	516	534	553	566	564	542	511	491	501	503	490	481	472	464	457	450	456	446
45	323	323	326	329	331	326	314	303	296	305	304	291	296	300	289	294	283	290	276
50	144	148	156	166	178	185	179	157	132	152	150	131	138	132	128	125	125	127	124
55	100	96.8	93.8	90.5	87.2	83.6	85.0	87.8	84.3	80.7	77.6	77.2	74.7	74.6	74.7	73.8	74.9	78.8	76.0
60	59.3	58.4	59.4	60.4	61.3	61.4	60.6	58.9	56.0	56.0	55.0	52.6	52.2	50.6	50.6	50.3	51.0	53.5	52.0
65	48.5	47.1	46.8	46.4	46.0	45.7	45.5	46.3	45.9	44.8	43.8	43.4	42.4	41.8	41.8	42.0	41.9	43.1	42.3
70	38.4	38.3	38.7	38.9	39.0	39.0	38.9	38.8	38.5	38.2	37.4	36.9	36.3	35.9	35.7	35.8	35.5	35.9	35.4
75	28.1	30.3	31.6	32.1	32.4	32.5	32.4	32.2	32.1	31.8	31.7	31.2	30.8	30.2	29.5	29.1	28.3	27.8	28.1
80	18.0	22.5	24.6	25.6	26.1	26.3	26.2	24.8	24.2	25.5	25.6	25.5	25.5	24.9	23.9	21.8	19.7	19.3	20.7
85	0.07	0.34	0.85	1.58	2.56	3.79	5.24	6.39	8.01	11.8	14.8	16.5	14.1	14.0	14.9	11.5	6.94	5.13	7.88
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	0.07	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZJ
 Test Date:2014-09-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.810m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.8V I:1.089A P:235.2W PF:0.9825 Lamp Flux:25207.7x1 lm		
NAME: THE LED High Bay LIGHT LIGHT	TYPE:LED	WEIGHT:9.55KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 554*303.6*196MM	SERIAL No.:1
MFR.: AOK	SUR.:230*484MM	PROTECTION ANGLE:

Table--3

UNIT: ×10cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611
5	2556	2547	2539	2532	2525	2519	2514	2509	2505	2502	2499	2497	2494	2493	2492	2491	2491	2491	2491
10	2439	2424	2412	2402	2394	2387	2382	2379	2377	2375	2374	2372	2372	2371	2371	2371	2371	2370	2371
15	2264	2248	2236	2229	2225	2224	2224	2205	2182	2164	2149	2137	2128	2121	2116	2113	2113	2114	2117
20	1990	1979	1976	1983	1984	1958	1935	1918	1902	1887	1874	1865	1859	1856	1855	1854	1855	1856	1857
25	1598	1601	1617	1614	1595	1586	1585	1589	1592	1571	1541	1512	1491	1477	1468	1463	1462	1464	1470
30	1128	1140	1148	1140	1143	1156	1175	1171	1162	1148	1129	1110	1092	1081	1074	1070	1069	1070	1076
35	722	736	729	728	732	744	754	753	742	727	748	761	764	762	760	758	757	758	761
40	448	449	452	457	456	463	461	448	456	472	486	489	481	467	456	448	446	449	456
45	277	269	272	270	262	265	274	267	262	263	276	289	294	293	293	293	294	294	294
50	124	126	128	132	124	137	140	123	137	154	164	164	159	151	145	141	141	143	149
55	75.7	77.3	77.0	76.9	77.9	77.2	79.8	82.1	84.0	83.1	84.3	88.4	91.7	94.3	96.3	98.5	101	100	99.4
60	51.6	52.1	52.1	53.4	52.7	54.9	55.2	54.3	57.8	60.2	61.3	61.3	60.2	58.7	57.6	58.4	60.6	59.8	59.0
65	42.5	42.3	42.7	43.0	43.4	43.5	44.2	45.1	45.6	45.1	45.4	45.7	45.9	46.3	46.8	48.0	49.6	48.8	47.5
70	35.6	36.0	36.4	36.8	37.1	37.4	37.7	38.0	38.2	38.5	38.7	38.8	38.7	38.6	38.4	38.2	38.5	38.6	38.7
75	29.2	30.2	30.7	31.1	31.3	31.5	31.5	31.6	31.6	32.1	32.3	32.2	32.0	31.5	30.6	28.5	27.8	28.1	30.4
80	23.3	25.1	25.6	25.7	25.6	25.4	25.7	23.9	23.8	25.5	25.9	25.8	25.4	24.6	22.9	18.8	17.0	17.7	22.4
85	11.5	14.5	12.8	13.5	14.1	14.4	11.9	8.04	6.08	5.06	3.73	2.53	1.57	0.85	0.35	0.07	0.00	0.07	0.34
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:25.3DEG
 Operators:ZZJ
 Test Date:2014-09-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.810m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.8V I:1.089A P:235.2W PF:0.9825 Lamp Flux:25207.7x1 lm		
NAME: THE LED High Bay LIGHT LIGHT	TYPE:LED	WEIGHT:9.55KG
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 554*303.6*196MM	SERIAL No.:1
MFR.: AOK	SUR.:230*484MM	PROTECTION ANGLE:

Table--4

UNIT: x10cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611	2611				
5	2492	2494	2496	2498	2501	2504	2508	2513	2519	2524	2531	2538	2546	2555	2564				
10	2371	2371	2371	2372	2373	2376	2379	2382	2387	2392	2400	2409	2420	2433	2449				
15	2121	2128	2137	2150	2165	2182	2202	2218	2214	2214	2215	2221	2229	2243	2262				
20	1859	1863	1869	1877	1885	1896	1910	1926	1947	1973	1970	1963	1963	1972	1991				
25	1481	1497	1517	1540	1566	1586	1582	1580	1585	1597	1618	1622	1606	1602	1614				
30	1086	1099	1114	1131	1150	1167	1180	1186	1174	1165	1169	1181	1172	1157	1163				
35	765	767	765	756	745	764	778	780	773	764	762	765	774	758	757				
40	467	479	488	490	486	479	472	480	483	480	481	481	485	486	481				
45	295	294	288	276	270	280	288	291	282	284	291	292	294	306	297				
50	158	167	173	174	168	159	150	162	160	148	152	147	147	149	147				
55	99.6	99.9	99.9	98.7	98.8	101	99.4	96.2	91.6	90.3	88.3	86.6	85.2	85.2	86.7				
60	60.9	63.6	66.5	68.3	68.7	67.1	62.8	62.4	61.3	57.7	57.7	55.9	55.0	54.6	55.9				
65	47.5	47.4	47.3	47.0	46.9	48.7	48.6	47.2	46.0	45.9	45.0	44.7	44.4	44.5	45.2				
70	39.3	39.7	39.9	40.0	40.0	39.9	39.8	39.6	39.3	39.1	39.0	38.6	38.4	38.2	38.3				
75	31.9	32.7	33.2	33.4	33.4	33.2	33.2	33.3	33.4	33.2	33.1	33.1	32.7	32.0	30.9				
80	24.8	26.0	26.7	27.1	27.1	25.7	25.4	27.3	27.4	28.5	29.4	29.2	29.9	28.9	26.0				
85	0.85	1.61	2.62	3.92	5.45	6.67	8.51	13.0	15.6	16.6	14.1	16.0	18.3	14.8	11.5				
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:25.3DEG
 Operators:ZZJ
 Test Date:2014-09-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.810m [K=1.0000]
 Remarks: