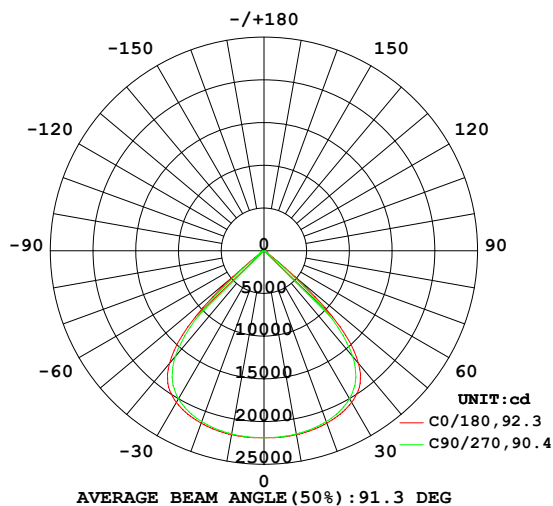


LUMINAIRE PHOTOMETRIC TEST REPORT

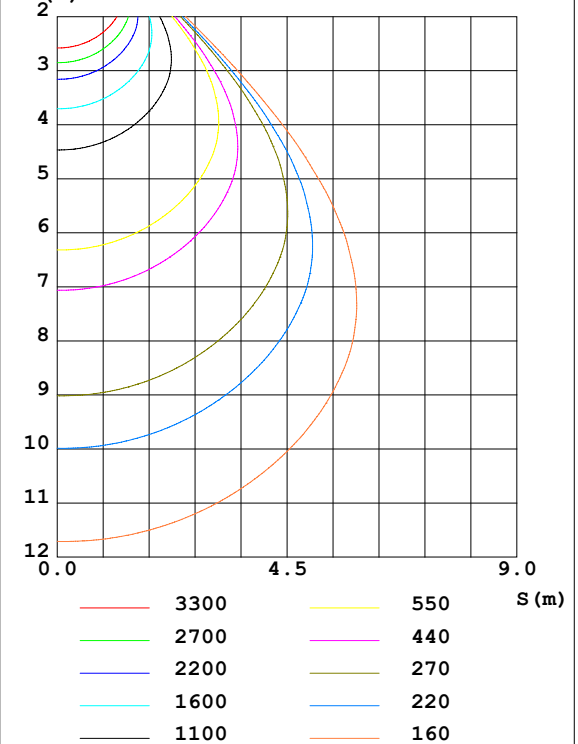
Test:U:219.79V I:1.1355A P:242.56W PF:0.9799 Freq:49.99Hz Lamp Flux:40303.8x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:6.6kg
SPEC.:AOK-240WoH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 166.16 lm/W			
MODEL	5050	I _{max} (cd)	21917	S/MH (C0/180)	1.34
NOMINAL POWER (W)	240	LOR (%)	100.0	S/MH (C90/270)	1.31
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	40304	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	40303.8	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.0
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

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-12-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 7.230m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

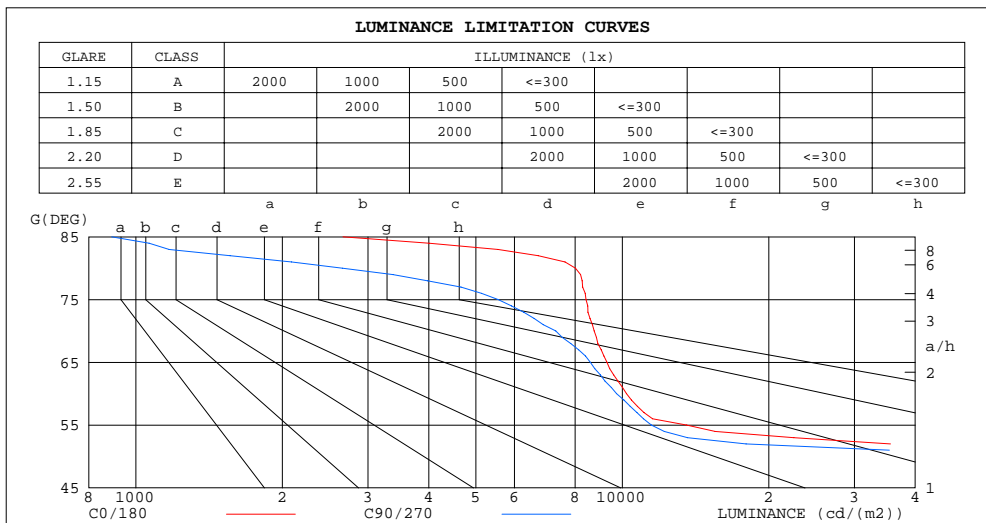
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	2186	2185	2177	2185	2186	2185	2177	2185	0- 10	2089	2089	5.18,5.18
20	2148	2145	2129	2145	2148	2145	2129	2145	10- 20	6137	8225	20.4,20.4
30	2050	2043	2001	2043	2050	2043	2001	2043	20- 30	9697	17923	44.5,44.5
40	1722	1716	1615	1716	1722	1716	1615	1716	30- 40	11926	29848	74.1,74.1
50	474.6	408.3	336.6	408.3	474.6	408.3	336.6	408.3	40- 50	8819	38668	95.9,95.9
60	50.86	49.34	48.75	49.34	50.86	49.34	48.75	49.34	50- 60	1036	39704	98.5,98.5
70	29.86	28.19	25.01	28.19	29.86	28.19	25.01	28.19	60- 70	375.5	40079	99.4,99.4
80	13.87	9.577	4.625	9.577	13.87	9.577	4.625	9.577	70- 80	194.0	40273	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	30.69	40304	100,100
100	0	0	0	0	0	0	0	0	90-100	0	40304	100,100
110	0	0	0	0	0	0	0	0	100-110	0	40304	100,100
120	0	0	0	0	0	0	0	0	110-120	0	40304	100,100
130	0	0	0	0	0	0	0	0	120-130	0	40304	100,100
140	0	0	0	0	0	0	0	0	130-140	0	40304	100,100
150	0	0	0	0	0	0	0	0	140-150	0	40304	100,100
160	0	0	0	0	0	0	0	0	150-160	0	40304	100,100
170	0	0	0	0	0	0	0	0	160-170	0	40304	100,100
180	0	0	0	0	0	0	0	0	170-180	0	40304	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-12-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:7.230m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:219.79V I:1.1355A P:242.56W PF:0.9799 Freq:49.99Hz Lamp Flux:40303.8x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:6.6kg
SPEC.:AOK-240Woh	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2666	892
80	8011	2657
75	8420	5554
70	8755	7296
65	9300	8597
60	10202	9729
55	13547	11470
50	74046	52242
45	178914	158837

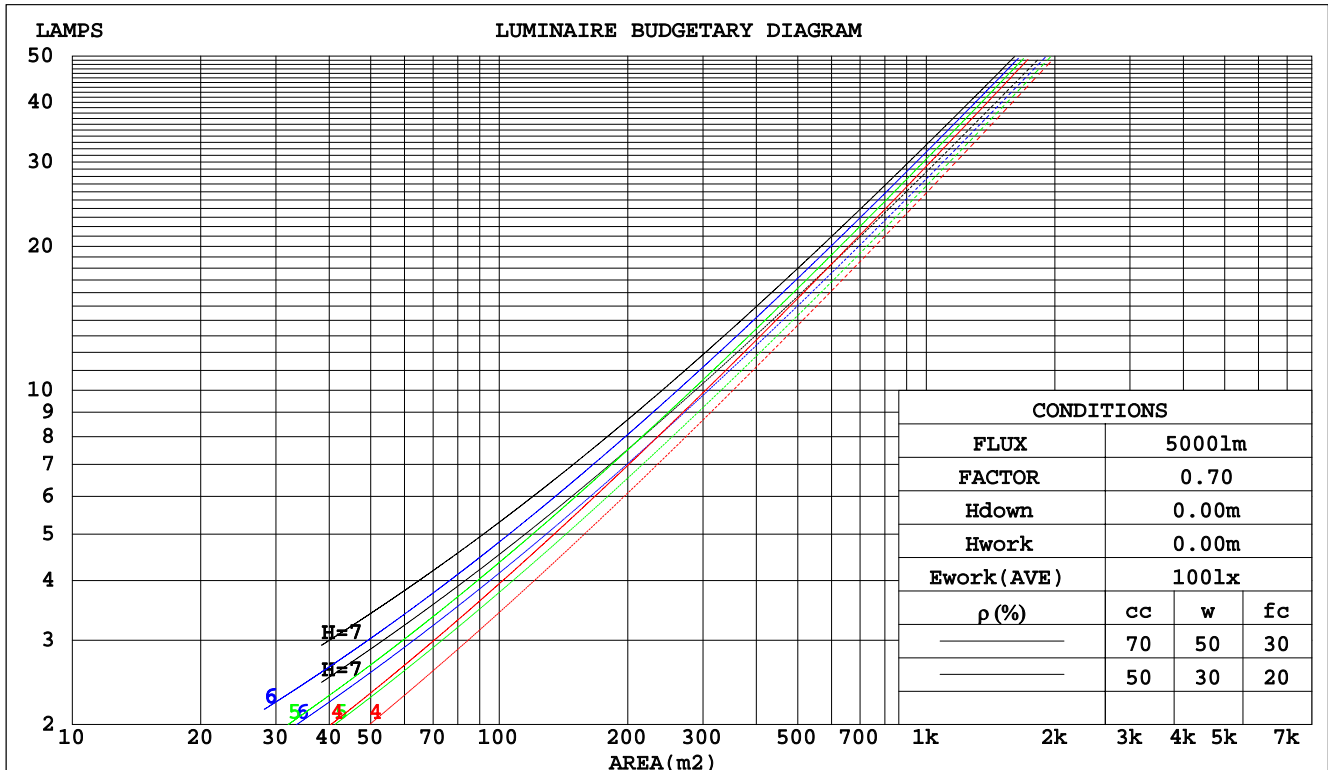
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:7.230m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.79V I:1.1355A P:242.56W PF:0.9799 Freq:49.99Hz Lamp Flux:40303.8x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:6.6kg
SPEC.:AOK-240WoH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	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	1.09	1.06	1.04	1.07	1.04	1.02	1.03	1.01	.99	.99	.97	.96	.96	.94	.93	.91
2.0	.00	.95	.91	.98	.93	.90	.94	.91	.88	.91	.88	.86	.89	.86	.84	.82
3.0	.91	.85	.80	.89	.84	.79	.87	.82	.78	.84	.80	.77	.82	.79	.76	.74
4.0	.83	.76	.71	.82	.76	.71	.80	.74	.70	.77	.73	.69	.76	.72	.68	.67
5.0	.76	.69	.64	.75	.68	.64	.73	.67	.63	.71	.66	.62	.70	.65	.62	.60
6.0	.70	.63	.58	.69	.62	.57	.67	.61	.57	.66	.60	.56	.64	.60	.56	.54
7.0	.64	.57	.52	.64	.57	.52	.62	.56	.52	.61	.55	.51	.60	.55	.51	.49
8.0	.59	.52	.47	.59	.52	.47	.57	.51	.47	.56	.51	.47	.55	.50	.46	.45
9.0	.55	.48	.43	.54	.48	.43	.53	.47	.43	.52	.47	.43	.51	.46	.43	.41
10.0	.51	.44	.40	.50	.44	.39	.50	.44	.39	.49	.43	.39	.48	.43	.39	.38



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-12-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:7.230m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:219.79V I:1.1355A P:242.56W PF:0.9799 Freq:49.99Hz Lamp Flux:40303.8x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:6.6kg
SPEC.:AOK-240WoH	DIM.: ϕ 0.4*0.141M	SERIAL No.:
MFR.: AOK	SUR.: ϕ 0.29M	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.209	.119	.038	.202	.115	.037	.190	.109	.035	.178	.103	.033	.167	.097	.031		
2.0	.204	.112	.034	.198	.109	.034	.187	.104	.032	.177	.099	.031	.168	.095	.030		
3.0	.196	.104	.031	.191	.102	.031	.182	.098	.030	.173	.095	.029	.165	.091	.028		
4.0	.187	.097	.029	.183	.096	.028	.175	.093	.028	.167	.090	.027	.160	.087	.026		
5.0	.179	.091	.026	.175	.090	.026	.168	.087	.026	.161	.085	.025	.154	.083	.025		
6.0	.171	.086	.024	.167	.084	.024	.161	.082	.024	.155	.080	.024	.149	.078	.023		
7.0	.163	.080	.023	.160	.079	.023	.154	.078	.022	.148	.076	.022	.143	.074	.022		
8.0	.155	.076	.021	.152	.075	.021	.147	.074	.021	.142	.072	.021	.138	.071	.021		
9.0	.148	.072	.020	.146	.071	.020	.141	.070	.020	.136	.068	.020	.132	.067	.019		
10.0	.141	.068	.019	.139	.067	.019	.135	.066	.019	.131	.065	.018	.127	.064	.018		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	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	.142	.148	.135	.122	.101	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.161	.132	.109	.137	.114	.094	.094	.079	.065	.054	.046	.038	.017	.015	.013	
3.0	.150	.114	.085	.129	.098	.073	.088	.068	.052	.051	.040	.030	.016	.013	.010	
4.0	.142	.100	.068	.122	.086	.059	.084	.060	.041	.048	.035	.024	.016	.011	.008	
5.0	.134	.089	.055	.115	.077	.048	.079	.054	.034	.046	.031	.020	.015	.010	.007	
6.0	.128	.080	.045	.110	.069	.039	.076	.048	.028	.044	.028	.017	.014	.009	.005	
7.0	.122	.073	.038	.105	.063	.033	.072	.044	.024	.042	.026	.014	.014	.009	.005	
8.0	.116	.067	.033	.100	.058	.028	.069	.041	.020	.040	.024	.012	.013	.008	.004	
9.0	.111	.062	.028	.096	.054	.025	.066	.038	.018	.039	.022	.010	.013	.007	.003	
10.0	.107	.058	.025	.092	.050	.022	.064	.035	.015	.037	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:7.230m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:219.79V I:1.1355A P:242.56W PF:0.9799 Freq:49.99Hz Lamp Flux:40303.8x1 lm											
NAME: LED Hight Bay Light					TYPE:LED			WEIGHT:6.6kg			
SPEC.:AOK-240WoH					DIM.: ϕ 0.4*0.141M			SERIAL No.:			
MFR.: AOK					SUR.: ϕ 0.29M			Shielding 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	14.0	15.2	14.3	15.4	15.6	13.6	14.7	13.8	14.9	15.1	
	3H	13.9	14.9	14.1	15.2	15.4	13.4	14.5	13.7	14.7	14.9
	4H	13.8	14.8	14.1	15.0	15.3	13.3	14.3	13.6	14.6	14.8
	6H	13.7	14.7	14.0	14.9	15.2	13.2	14.2	13.5	14.4	14.7
	8H	13.7	14.6	14.0	14.8	15.1	13.2	14.1	13.5	14.3	14.6
	12H	13.6	14.5	14.0	14.8	15.1	13.1	14.0	13.5	14.3	14.6
4H	2H	13.8	14.8	14.1	15.0	15.2	13.3	14.3	13.6	14.5	14.8
	3H	13.6	14.5	14.0	14.8	15.0	13.1	14.0	13.5	14.3	14.6
	4H	13.6	14.3	13.9	14.6	15.0	13.1	13.8	13.4	14.2	14.5
	6H	13.5	14.2	13.9	14.5	14.9	13.0	13.7	13.4	14.0	14.4
	8H	13.5	14.1	13.9	14.4	14.8	12.9	13.6	13.3	13.9	14.3
	12H	13.4	14.0	13.8	14.4	14.8	12.9	13.5	13.3	13.8	14.2
8H	4H	13.4	14.1	13.8	14.4	14.8	12.9	13.6	13.3	13.9	14.3
	6H	13.4	13.9	13.8	14.3	14.7	12.9	13.4	13.3	13.8	14.2
	8H	13.3	13.8	13.8	14.2	14.7	12.8	13.3	13.3	13.7	14.1
	12H	13.3	13.7	13.8	14.1	14.6	12.8	13.2	13.2	13.6	14.1
12H	4H	13.4	14.0	13.8	14.3	14.7	12.9	13.5	13.3	13.8	14.2
	6H	13.3	13.8	13.8	14.2	14.6	12.8	13.3	13.3	13.7	14.1
	8H	13.3	13.7	13.8	14.1	14.6	12.8	13.2	13.2	13.6	14.1
Variations with the observer position at spacings:											
S = 1.0H	+ 2.9 / -10.0					+ 3.0 / -11.2					
1.5H	+ 2.6 / -11.0					+ 2.9 / -11.7					
2.0H	+ 6.9 / - 8.6					+ 7.1 / - 9.0					

CIE Pub.117, 40304 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 12.8$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:7.230m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:219.79V I:1.1355A P:242.56W PF:0.9799 Freq:49.99Hz Lamp Flux:40303.8x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:6.6kg
SPEC.:AOK-240Woh	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

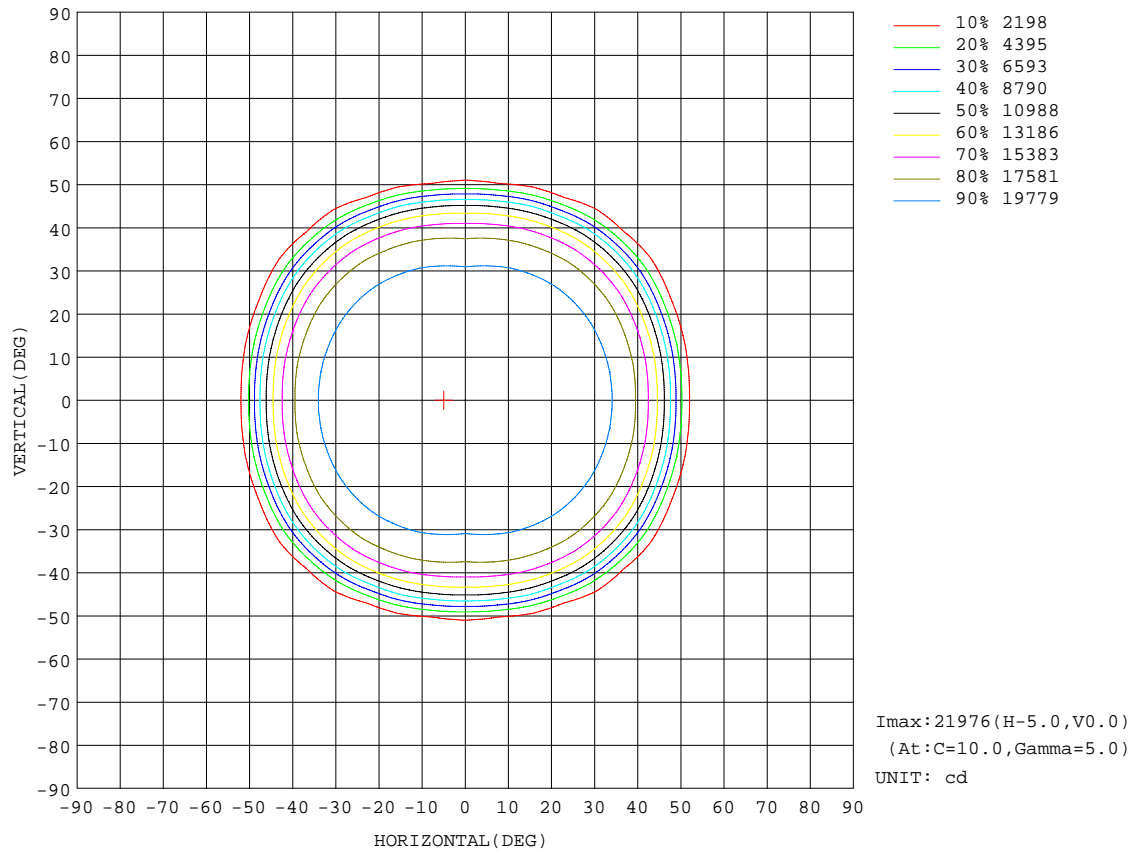
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	75	67	62	75	66	61	74	66	61	57
0.80	85	77	72	84	76	71	82	76	71	66
1.00	92	84	79	91	84	79	89	84	79	74
1.25	97	90	86	96	90	85	94	89	85	80
1.50	101	95	90	99	94	90	97	92	89	83
2.00	105	100	96	104	99	95	101	97	94	88
2.50	107	102	99	106	101	98	102	99	96	89
3.00	109	105	102	107	104	101	104	101	98	91
4.00	112	108	105	110	106	104	106	103	101	94
5.00	113	110	107	111	108	106	107	105	103	95
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:7.230m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:219.79V I:1.1355A P:242.56W PF:0.9799 Freq:49.99Hz Lamp Flux:40303.8x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:6.6kg
SPEC.:AOK-240WoH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

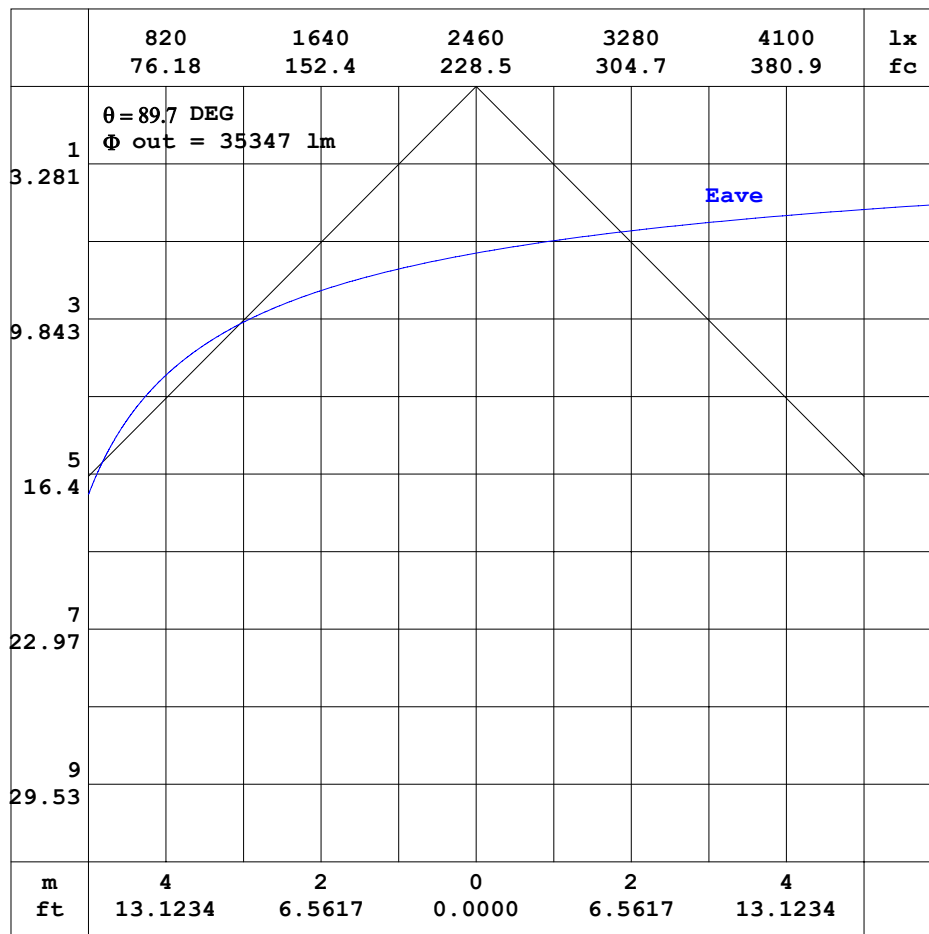


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-12-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 7.230m [K=1.0000]
Remarks:

AAI CURVES

Test:U:219.79V I:1.1355A P:242.56W PF:0.9799 Freq:49.99Hz Lamp Flux:40303.8x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:6.6kg
SPEC.:AOK-240WoH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



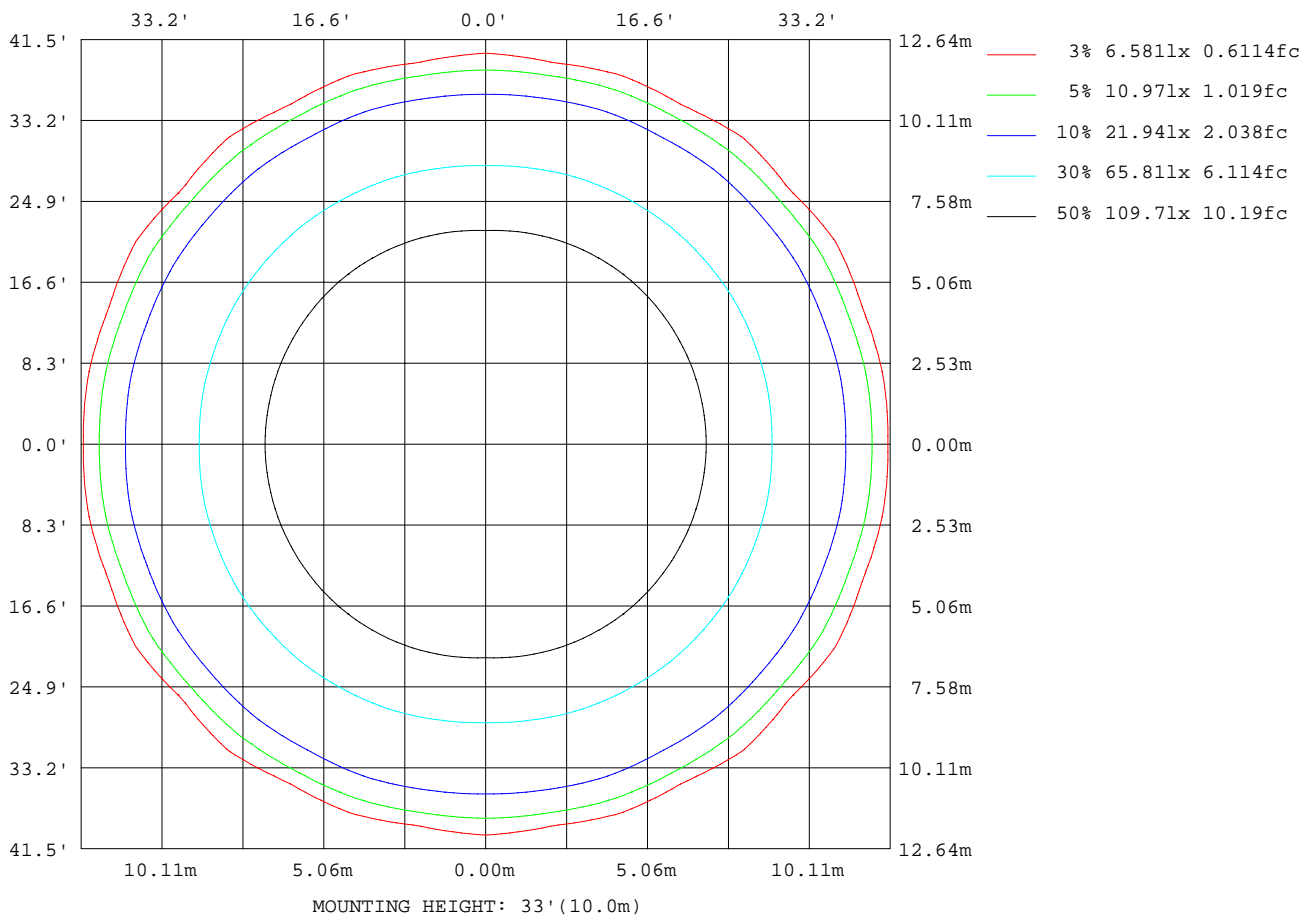
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:7.230m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:219.79V I:1.1355A P:242.56W PF:0.9799 Freq:49.99Hz Lamp Flux:40303.8x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:6.6kg
SPEC.:AOK-240WoH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:7.230m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:219.79V I:1.1355A P:242.56W PF:0.9799 Freq:49.99Hz Lamp Flux:40303.8x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:6.6kg
SPEC.:AOK-240Woh	DIM.: ϕ 0.4*0.141M	SERIAL No.:
MFR.: AOK	SUR.: ϕ 0.29M	Shielding Angle:

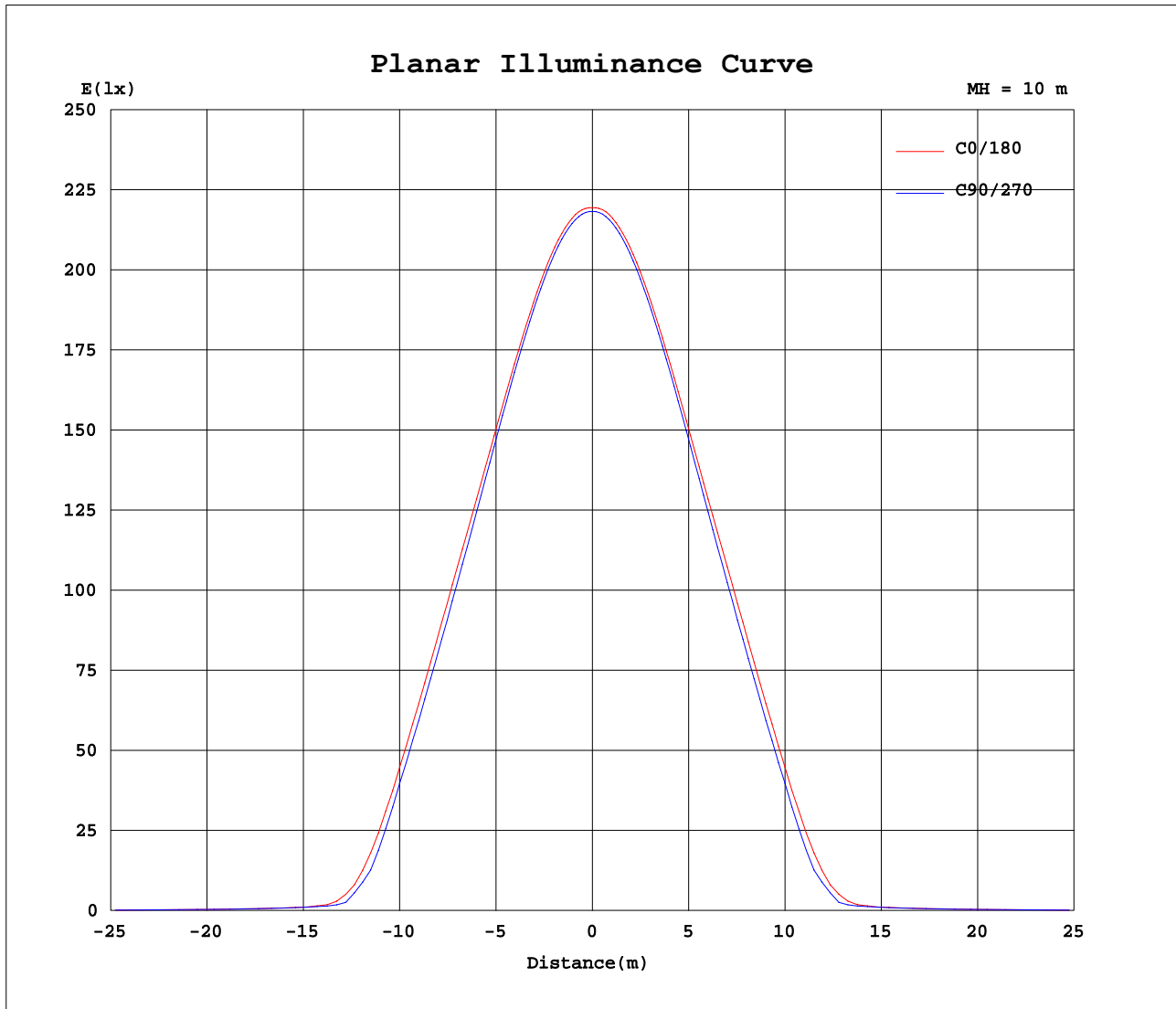
AvgL	cd/m2
L_0~180 (65) av	9274
L_0~180 (75) av	8396
L_0~180 (85) av	2659
L_90~270 (65) av	8616
L_90~270 (75) av	5567
L_90~270 (85) av	894
L_45 (65) av	8889
L_45 (75) av	7240
L_45 (85) av	1622

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:7.230m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-12-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 7.230m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.79V I:1.1355A P:242.56W PF:0.9799 Freq:49.99Hz Lamp Flux:40303.8x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:6.6kg
SPEC.:AOK-240WoH	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

Table--1

UNIT: $\times 10cd$

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188
5	2191	2192	2191	2191	2191	2190	2189	2189	2188	2187	2188	2189	2189	2190	2191	2191	2191	2192	2191
10	2186	2187	2186	2186	2185	2185	2183	2182	2180	2177	2180	2182	2183	2185	2185	2186	2186	2187	2186
15	2173	2173	2172	2172	2171	2169	2168	2166	2162	2159	2162	2166	2168	2169	2171	2172	2172	2173	2173
20	2148	2148	2147	2147	2146	2145	2143	2140	2134	2129	2134	2140	2143	2145	2146	2147	2147	2148	2148
25	2110	2110	2109	2108	2107	2106	2103	2097	2089	2080	2089	2097	2103	2106	2107	2108	2109	2110	2110
30	2050	2051	2049	2047	2045	2041	2035	2026	2014	2001	2014	2026	2035	2041	2045	2047	2049	2051	2050
35	1947	1944	1945	1939	1937	1930	1918	1906	1886	1867	1886	1906	1918	1930	1937	1939	1945	1944	1947
40	1722	1734	1731	1734	1720	1711	1685	1667	1634	1615	1634	1667	1685	1711	1720	1734	1731	1734	1722
45	1262	1282	1276	1280	1257	1245	1207	1185	1146	1126	1146	1185	1207	1245	1257	1280	1276	1282	1262
50	475	484	453	452	413	403	360	350	308	337	308	350	360	403	413	452	453	484	475
55	77.5	71.5	76.5	70.2	79.9	68.1	66.7	66.6	65.8	65.9	65.8	66.6	66.7	68.1	79.9	70.2	76.5	71.5	77.5
60	50.9	50.8	50.2	50.0	49.4	49.3	48.9	48.8	48.5	48.8	48.5	48.8	48.9	49.3	49.4	50.0	50.2	50.8	50.9
65	39.2	39.1	38.6	38.4	37.7	37.4	36.9	36.6	36.3	36.4	36.3	36.6	36.9	37.4	37.7	38.4	38.6	39.1	39.2
70	29.9	29.8	29.2	29.0	28.4	28.0	26.6	25.9	25.0	25.0	25.0	25.9	26.6	28.0	28.4	29.0	29.2	29.8	29.9
75	21.7	21.6	20.9	20.6	19.3	18.1	16.4	15.5	14.4	14.4	14.4	15.5	16.4	18.1	19.3	20.6	20.9	21.6	21.7
80	13.9	13.7	12.9	12.2	10.3	8.87	6.84	5.57	4.90	4.62	4.90	5.57	6.84	8.87	10.3	12.2	12.9	13.7	13.9
85	2.32	2.28	1.99	1.84	1.47	1.36	1.08	0.89	0.75	0.78	0.75	0.89	1.08	1.36	1.47	1.84	1.99	2.28	2.32
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
95	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
100	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
105	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
110	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
115	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
120	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
125	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
130	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
135	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
140	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
145	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
150	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
155	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
160	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
165	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
170	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
175	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
180	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: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-12-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 7.230m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.79V I:1.1355A P:242.56W PF:0.9799 Freq:49.99Hz Lamp Flux:40303.8x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:6.6kg
SPEC.:AOK-240WoH	DIM.: ϕ 0.4*0.141M	SERIAL No.:
MFR.: AOK	SUR.: ϕ 0.29M	Shielding Angle:

Table--2

UNIT: $\times 10\text{cd}$

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188	2188		
5	2192	2191	2191	2191	2190	2189	2189	2188	2187	2188	2189	2188	2189	2190	2191	2191	2192		
10	2187	2186	2186	2185	2185	2183	2182	2180	2177	2180	2182	2183	2185	2185	2186	2186	2187		
15	2173	2172	2172	2171	2169	2168	2166	2162	2159	2162	2166	2168	2169	2171	2172	2172	2173		
20	2148	2147	2147	2146	2145	2143	2140	2134	2129	2134	2140	2143	2145	2146	2147	2147	2148		
25	2110	2109	2108	2107	2106	2103	2097	2089	2080	2089	2097	2103	2106	2107	2108	2109	2110		
30	2051	2049	2047	2045	2041	2035	2026	2014	2001	2014	2026	2035	2041	2045	2047	2049	2051		
35	1944	1945	1939	1937	1930	1918	1906	1886	1867	1886	1906	1918	1930	1937	1939	1945	1944		
40	1734	1731	1734	1720	1711	1685	1667	1634	1615	1634	1667	1685	1711	1720	1734	1731	1734		
45	1282	1276	1280	1257	1245	1207	1185	1146	1126	1146	1185	1207	1245	1257	1280	1276	1282		
50	484	453	452	413	403	360	350	308	337	308	350	360	403	413	452	453	484		
55	71.5	76.5	70.2	79.9	68.1	66.7	66.6	65.8	65.9	65.8	66.6	66.7	68.1	79.9	70.2	76.5	71.5		
60	50.8	50.2	50.0	49.4	49.3	48.9	48.8	48.5	48.8	48.5	48.8	48.9	49.3	49.4	50.0	50.2	50.8		
65	39.1	38.6	38.4	37.7	37.4	36.9	36.6	36.3	36.4	36.3	36.6	36.9	37.4	37.7	38.4	38.6	39.1		
70	29.8	29.2	29.0	28.4	28.0	26.6	25.9	25.0	25.0	25.0	25.9	26.6	28.0	28.4	29.0	29.2	29.8		
75	21.6	20.9	20.6	19.3	18.1	16.4	15.5	14.4	14.4	14.4	15.5	16.4	18.1	19.3	20.6	20.9	21.6		
80	13.7	12.9	12.2	10.3	8.87	6.84	5.57	4.90	4.62	4.90	5.57	6.84	8.87	10.3	12.2	12.9	13.7		
85	2.28	1.99	1.84	1.47	1.36	1.08	0.89	0.75	0.78	0.75	0.89	1.08	1.36	1.47	1.84	1.99	2.28		
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		
95	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		
100	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		
105	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		
110	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		
115	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		
120	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		
125	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		
130	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		
135	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		
140	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		
145	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		
150	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		
155	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		
160	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		
165	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		
170	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		
175	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		
180	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: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:7.230m [K=1.0000]
Remarks: