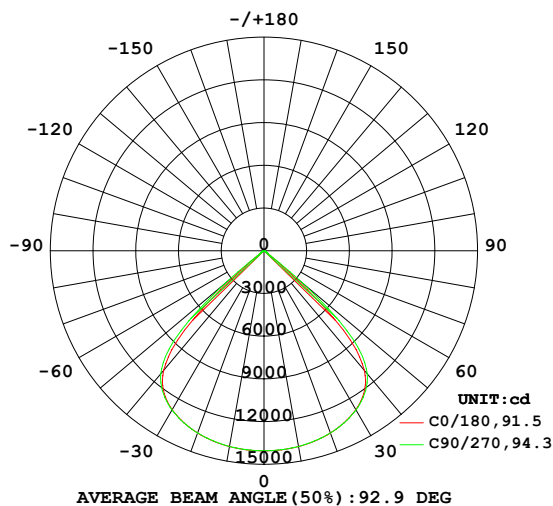


LUMINAIRE PHOTOMETRIC TEST REPORT

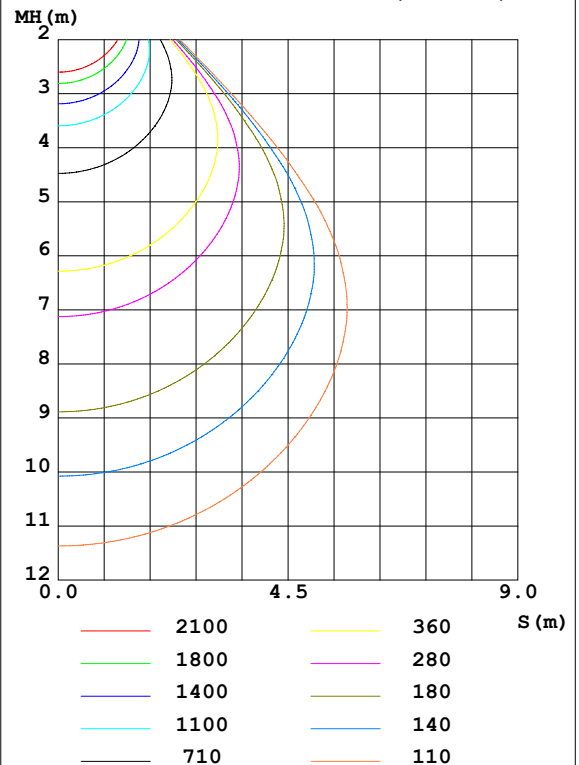
Test:U:219.82V I:0.7204A P:151.54W PF:0.9570 Freq:49.99Hz Lamp Flux:25738x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:4.6kg
SPEC.:AOK-150WoH	DIM.: ϕ 0.319*0.138M	SERIAL No.:
MFR.: AOK	SUR.: ϕ 0.24M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 168.64 lm/W			
MODEL	5050	I _{max} (cd)	14049	S/MH (C0/180)	1.34
NOMINAL POWER (W)	150	LOR (%)	99.3	S/MH (C90/270)	1.36
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	25556	η UP,DN (C0-180)	0.0,49.6
NOMINAL FLUX (lm)	25738	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,49.6
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	η down (%)	99.3	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:2017-12-11

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:

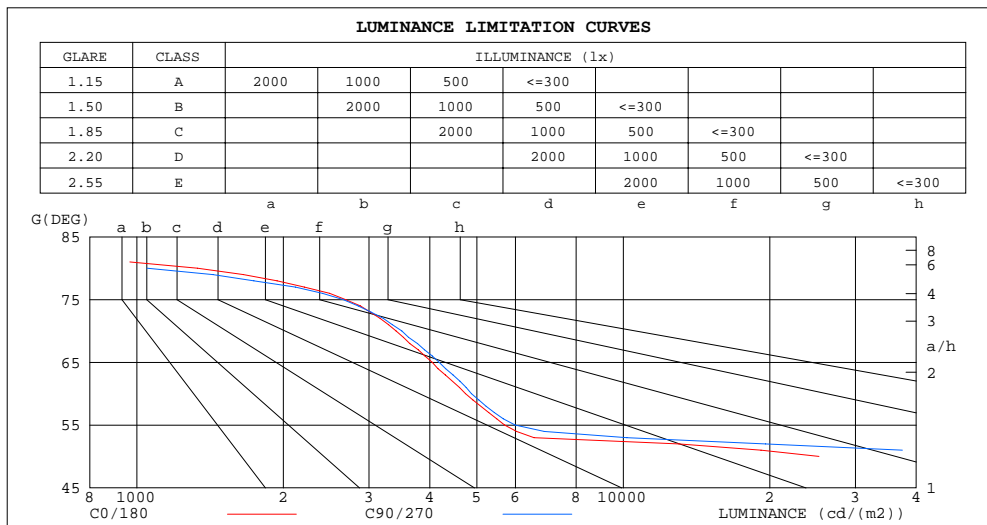
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1396	1396	1395	1396	1396	1396	1395	1396	0- 10	1337	1337	5.23,5.19
20	1363	1362	1362	1362	1363	1362	1362	1362	10- 20	3911	5248	20.5,20.4
30	1289	1289	1291	1289	1289	1289	1291	1289	20- 30	6146	11394	44.6,44.3
40	1096	1106	1128	1106	1096	1106	1128	1106	30- 40	7615	19008	74.4,73.9
50	160.4	209.5	354.1	209.5	160.4	209.5	354.1	209.5	40- 50	5817	24825	97.1,96.5
60	23.42	23.18	24.56	23.18	23.42	23.18	24.56	23.18	50- 60	482.2	25308	99,98.3
70	11.52	11.65	12.09	11.65	11.52	11.65	12.09	11.65	60- 70	169.9	25478	99.7,99
80	2.286	2.319	1.836	2.319	2.286	2.319	1.836	2.319	70- 80	72.66	25550	100,99.3
90	0	0	0	0	0	0	0	0	80- 90	5.670	25556	100,99.3
100	0	0	0	0	0	0	0	0	90-100	0	25556	100,99.3
110	0	0	0	0	0	0	0	0	100-110	0	25556	100,99.3
120	0	0	0	0	0	0	0	0	110-120	0	25556	100,99.3
130	0	0	0	0	0	0	0	0	120-130	0	25556	100,99.3
140	0	0	0	0	0	0	0	0	130-140	0	25556	100,99.3
150	0	0	0	0	0	0	0	0	140-150	0	25556	100,99.3
160	0	0	0	0	0	0	0	0	150-160	0	25556	100,99.3
170	0	0	0	0	0	0	0	0	160-170	0	25556	100,99.3
180	0	0	0	0	0	0	0	0	170-180	0	25556	100,99.3
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-12-11

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:219.82V I:0.7204A P:151.54W PF:0.9570 Freq:49.99Hz Lamp Flux:25738x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:4.6kg
SPEC.:AOK-150Woh	DIM.: $\phi 0.319 \times 0.138\text{M}$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.24\text{M}$	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	295	295
80	1332	1049
75	2684	2654
70	3409	3505
65	4046	4182
60	4739	4874
55	5699	5992
50	25250	54643
45	113187	125984

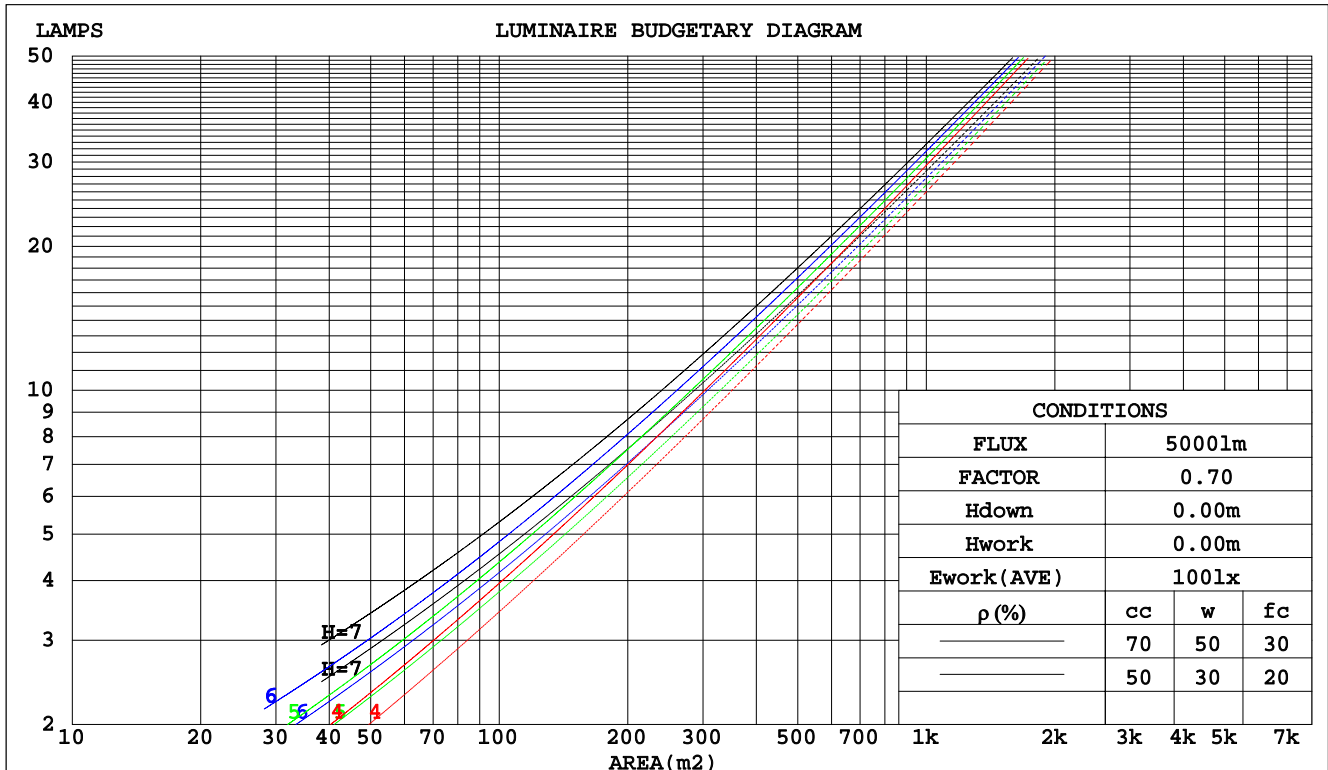
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-11

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:219.82V I:0.7204A P:151.54W PF:0.9570 Freq:49.99Hz Lamp Flux:25738x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:4.6kg
SPEC.:AOK-150WoH	DIM.: $\phi 0.319 \times 0.138\text{M}$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.24\text{M}$	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	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.08	1.06	1.03	1.06	1.04	1.01	1.02	1.00	.98	.99	.97	.95	.95	.94	.93	.91
2.0	.99	.94	.90	.97	.93	.89	.94	.90	.87	.91	.88	.85	.88	.86	.84	.82
3.0	.91	.85	.80	.89	.84	.79	.86	.82	.78	.84	.80	.77	.82	.78	.76	.74
4.0	.83	.76	.71	.82	.76	.71	.79	.74	.70	.77	.73	.69	.75	.71	.68	.67
5.0	.76	.69	.64	.75	.68	.64	.73	.67	.63	.71	.66	.62	.70	.65	.62	.60
6.0	.70	.63	.57	.69	.62	.57	.67	.61	.57	.66	.60	.56	.64	.60	.56	.54
7.0	.64	.57	.52	.63	.57	.52	.62	.56	.52	.61	.55	.51	.59	.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	.42	.41
10.0	.51	.44	.39	.50	.44	.39	.49	.43	.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:2017-12-11

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:219.82V I:0.7204A P:151.54W PF:0.9570 Freq:49.99Hz Lamp Flux:25738x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:4.6kg
SPEC.:AOK-150WoH	DIM.: ϕ 0.319*0.138M	SERIAL No.:
MFR.: AOK	SUR.: ϕ 0.24M	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.205	.117	.037	.198	.113	.036	.186	.107	.034	.174	.100	.032	.163	.095	.031	
2.0	.200	.110	.034	.195	.107	.033	.184	.102	.032	.174	.098	.031	.165	.093	.029	
3.0	.193	.103	.031	.188	.101	.030	.179	.097	.029	.170	.093	.029	.162	.090	.028	
4.0	.185	.096	.028	.180	.094	.028	.172	.091	.027	.164	.088	.027	.157	.086	.026	
5.0	.176	.090	.026	.173	.089	.026	.165	.086	.025	.159	.084	.025	.152	.081	.024	
6.0	.168	.084	.024	.165	.083	.024	.159	.081	.024	.153	.079	.023	.147	.077	.023	
7.0	.161	.079	.023	.158	.079	.022	.152	.077	.022	.147	.075	.022	.141	.073	.022	
8.0	.153	.075	.021	.151	.074	.021	.146	.073	.021	.141	.071	.021	.136	.070	.020	
9.0	.147	.071	.020	.144	.070	.020	.139	.069	.020	.135	.068	.019	.131	.066	.019	
10.0	.140	.067	.019	.138	.067	.019	.134	.065	.018	.130	.064	.018	.126	.063	.018	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.189	.189	.189	.162	.162	.162	.110	.110	.110	.063	.063	.063	.020	.020	.020	
1.0	.172	.156	.142	.147	.134	.122	.101	.092	.084	.058	.053	.049	.019	.017	.016	
2.0	.159	.131	.108	.136	.113	.093	.093	.078	.065	.054	.046	.038	.017	.015	.012	
3.0	.149	.113	.084	.128	.097	.073	.088	.068	.051	.051	.040	.030	.016	.013	.010	
4.0	.140	.099	.067	.120	.085	.058	.083	.060	.041	.048	.035	.024	.015	.011	.008	
5.0	.133	.088	.055	.114	.076	.048	.079	.053	.034	.046	.031	.020	.015	.010	.007	
6.0	.126	.079	.045	.109	.069	.039	.075	.048	.028	.043	.028	.017	.014	.009	.005	
7.0	.121	.072	.038	.104	.062	.033	.072	.044	.023	.042	.026	.014	.013	.008	.005	
8.0	.115	.066	.032	.099	.057	.028	.069	.040	.020	.040	.024	.012	.013	.008	.004	
9.0	.110	.061	.028	.095	.053	.025	.066	.037	.017	.038	.022	.010	.012	.007	.003	
10.0	.106	.057	.025	.091	.050	.022	.063	.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:2017-12-11

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:219.82V I:0.7204A P:151.54W PF:0.9570 Freq:49.99Hz Lamp Flux:25738x1 lm											
NAME: LED Hight Bay Light					TYPE:LED			WEIGHT:4.6kg			
SPEC.:AOK-150WoH					DIM.: ϕ 0.319*0.138M			SERIAL No.:			
MFR.: AOK					SUR.: ϕ 0.24M			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	13.8	14.9	14.0	15.1	15.3	14.1	15.3	14.3	15.5	15.6	
	3H	13.6	14.7	13.9	14.9	15.1	13.9	15.0	14.2	15.2	
	4H	13.5	14.5	13.8	14.7	15.0	13.8	14.8	14.1	15.1	
	6H	13.4	14.3	13.7	14.6	14.9	13.7	14.7	14.1	14.9	
	8H	13.4	14.3	13.7	14.5	14.8	13.7	14.6	14.0	14.9	
	12H	13.3	14.2	13.6	14.4	14.7	13.7	14.5	14.0	14.8	
4H	2H	13.5	14.5	13.8	14.7	15.0	13.8	14.8	14.1	15.1	
	3H	13.3	14.2	13.7	14.5	14.7	13.7	14.5	14.0	14.8	
	4H	13.2	14.0	13.6	14.3	14.6	13.6	14.3	13.9	14.6	
	6H	13.2	13.8	13.5	14.2	14.5	13.5	14.2	13.9	14.5	
	8H	13.1	13.7	13.5	14.1	14.5	13.4	14.1	13.8	14.4	
	12H	13.1	13.6	13.5	14.0	14.4	13.4	14.0	13.8	14.3	
8H	4H	13.1	13.7	13.5	14.1	14.5	13.4	14.1	13.8	14.4	
	6H	13.0	13.5	13.4	13.9	14.3	13.3	13.9	13.8	14.3	
	8H	13.0	13.4	13.4	13.8	14.3	13.3	13.7	13.8	14.2	
	12H	12.9	13.3	13.4	13.7	14.2	13.3	13.6	13.7	14.1	
12H	4H	13.1	13.6	13.5	14.0	14.4	13.4	14.0	13.8	14.3	
	6H	13.0	13.4	13.4	13.8	14.3	13.3	13.7	13.8	14.2	
	8H	12.9	13.3	13.4	13.7	14.2	13.3	13.6	13.7	14.1	
Variations with the observer position at spacings:											
S = 1.0H	+ 3.1 / -13.7					+ 3.1 / -13.7					
1.5H	+ 2.8 / -14.3					+ 2.7 / -14.7					
2.0H	+ 7.6 / -11.6					+ 7.6 / -12.5					

CIE Pub.117, 25738 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 11.3$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-11

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:219.82V I:0.7204A P:151.54W PF:0.9570 Freq:49.99Hz Lamp Flux:25738x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:4.6kg
SPEC.:AOK-150Woh	DIM.: $\phi 0.319 \times 0.138M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.24M$	Shielding Angle:

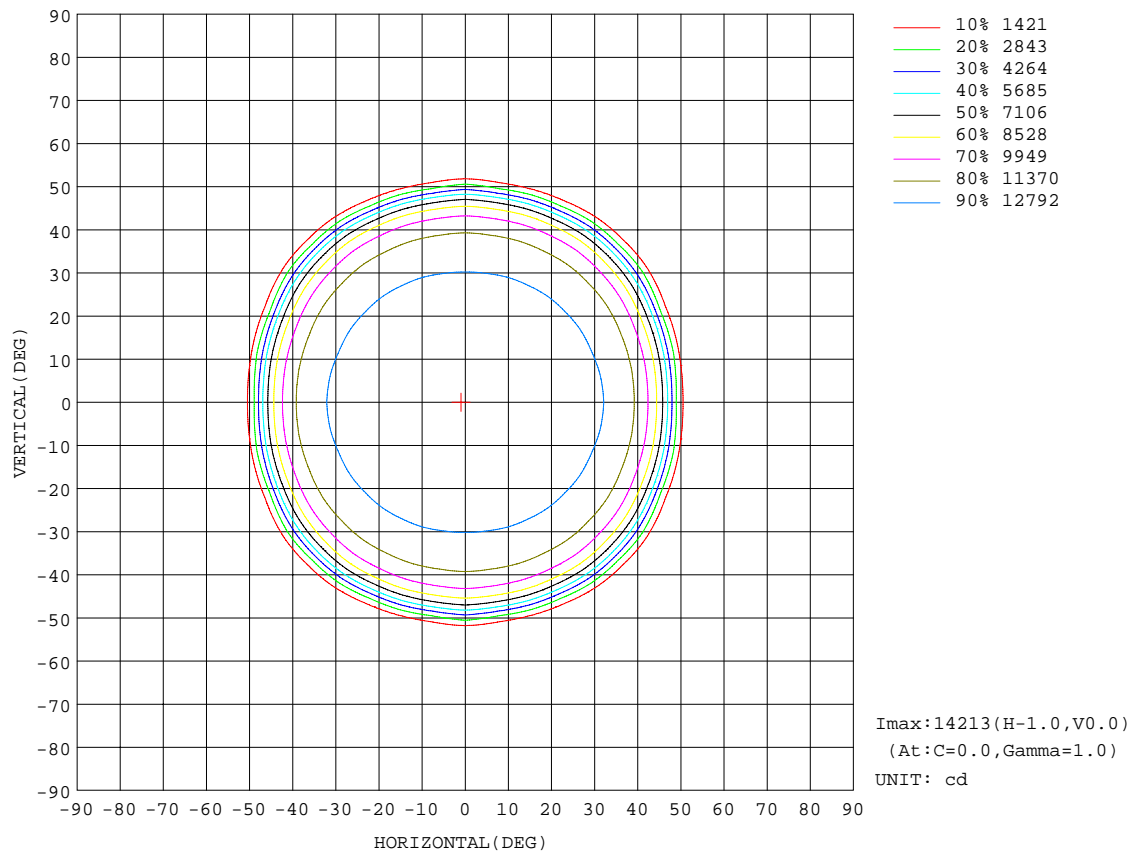
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	75	66	61	74	66	61	73	66	61	56
0.80	84	76	71	83	76	71	82	75	71	66
1.00	91	84	79	90	83	79	89	84	78	73
1.25	97	90	86	96	89	85	93	88	84	79
1.50	100	94	90	99	93	89	97	92	88	83
2.00	105	99	95	103	98	95	100	96	93	87
2.50	107	102	98	105	101	97	102	98	95	89
3.00	109	104	101	107	103	100	103	100	98	91
4.00	111	107	105	109	106	103	105	103	101	93
5.00	112	109	107	110	108	105	106	104	102	94
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:2017-12-11

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:219.82V I:0.7204A P:151.54W PF:0.9570 Freq:49.99Hz Lamp Flux:25738x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:4.6kg
SPEC.:AOK-150WoH	DIM.: $\phi 0.319 \times 0.138\text{M}$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.24\text{M}$	Shielding Angle:

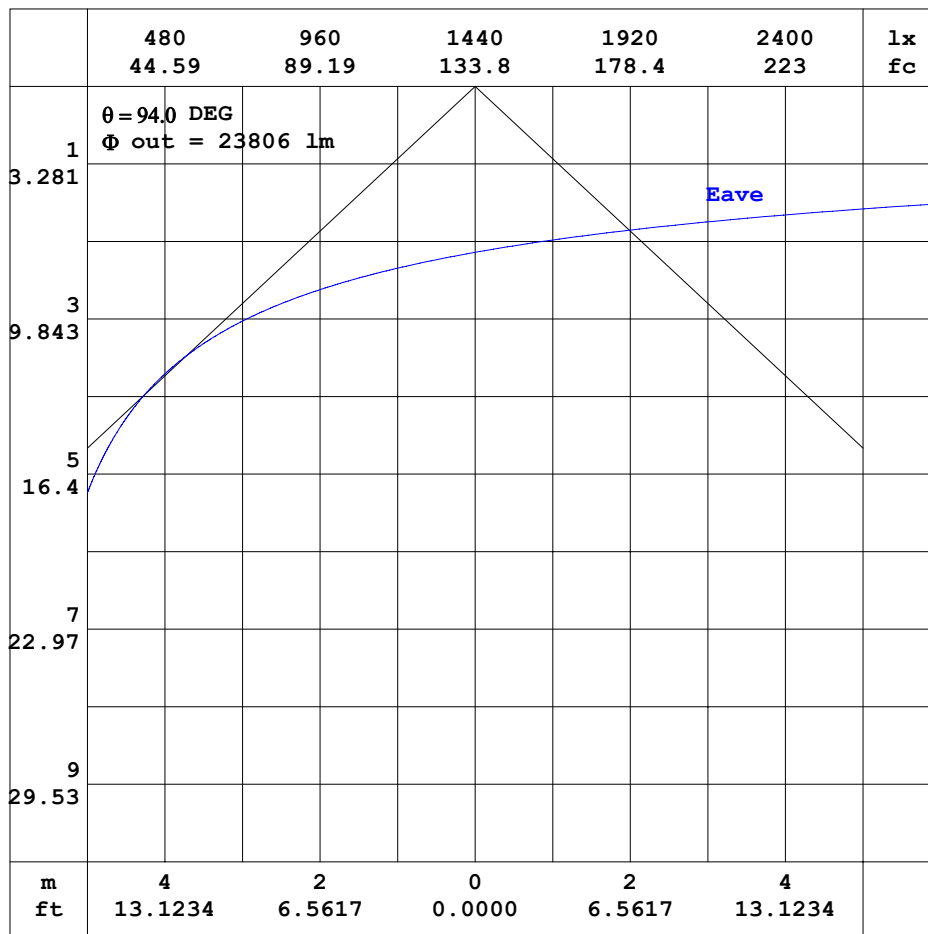


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-11

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:219.82V I:0.7204A P:151.54W PF:0.9570 Freq:49.99Hz Lamp Flux:25738x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:4.6kg
SPEC.:AOK-150WoH	DIM.: $\phi 0.319 \times 0.138M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.24M$	Shielding Angle:



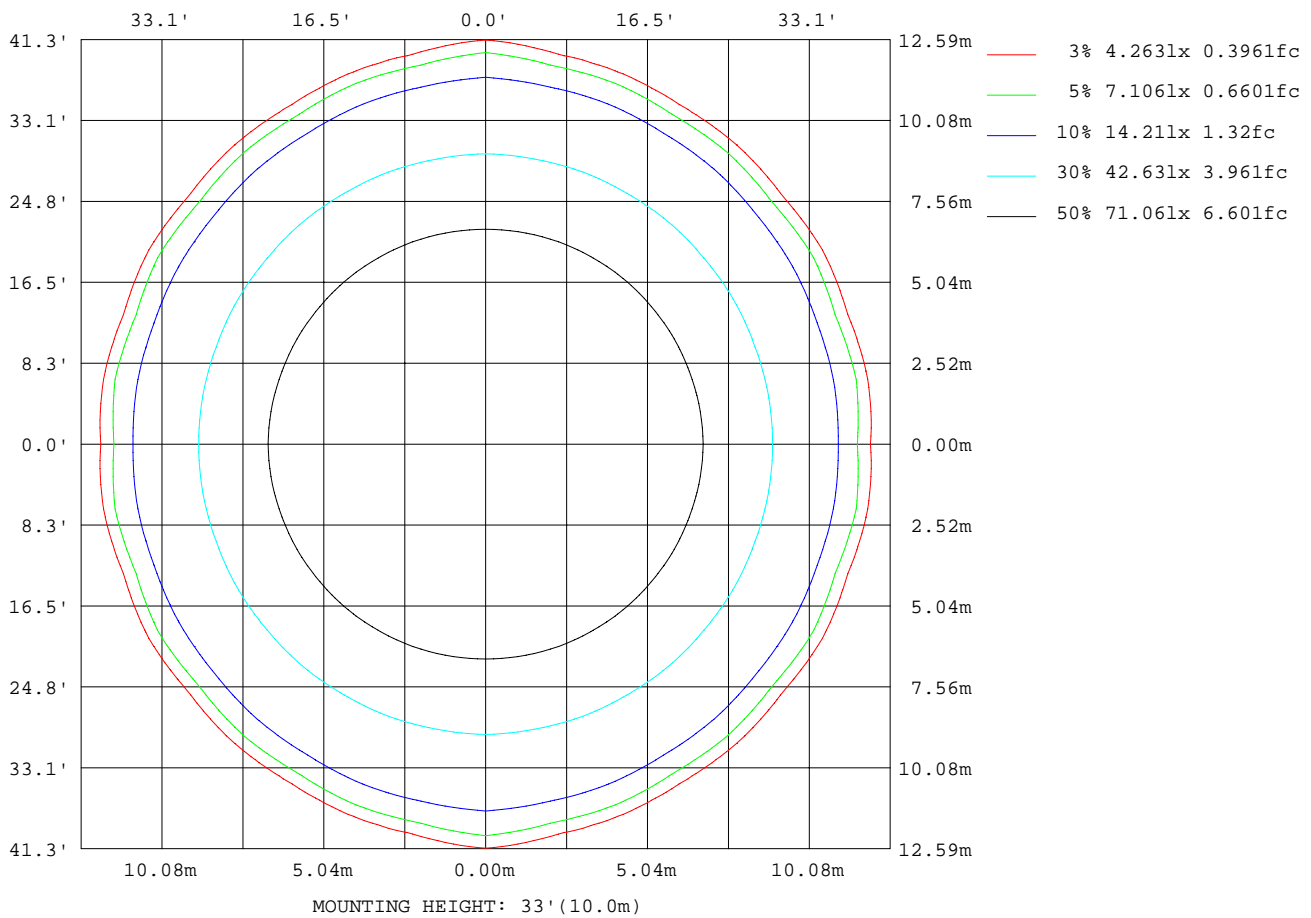
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-12-11

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:219.82V I:0.7204A P:151.54W PF:0.9570 Freq:49.99Hz Lamp Flux:25738x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:4.6kg
SPEC.:AOK-150WoH	DIM.: $\Phi 0.319 \times 0.138\text{M}$	SERIAL No.:
MFR.: AOK	SUR.: $\Phi 0.24\text{M}$	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-12-11

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:219.82V I:0.7204A P:151.54W PF:0.9570 Freq:49.99Hz Lamp Flux:25738x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:4.6kg
SPEC.:AOK-150WoH	DIM.: ϕ 0.319*0.138M	SERIAL No.:
MFR.: AOK	SUR.: ϕ 0.24M	Shielding Angle:

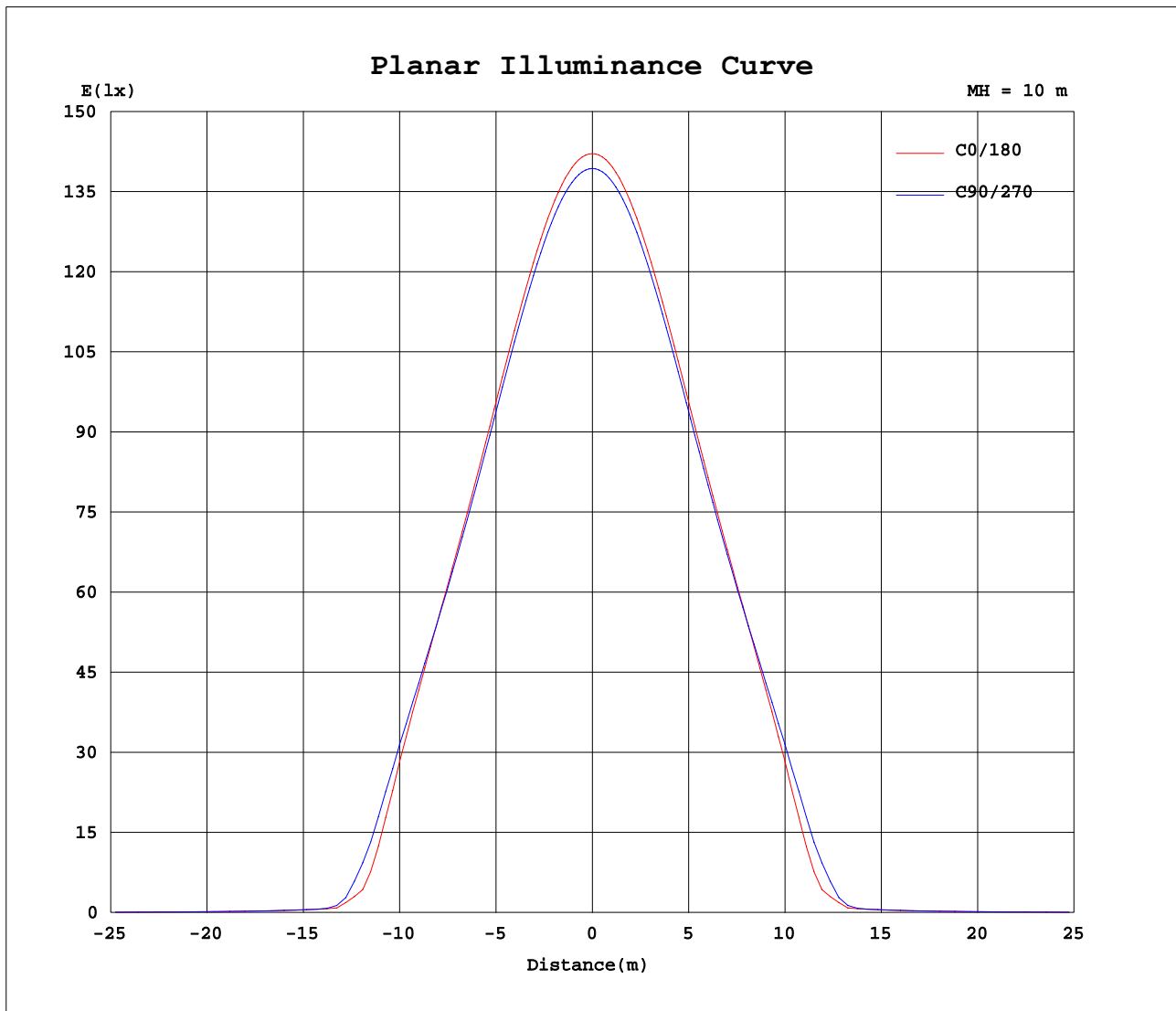
AvgL	cd/m2
L_0~180 (65) av	3999
L_0~180 (75) av	2653
L_0~180 (85) av	292
L_90~270 (65) av	4216
L_90~270 (75) av	2675
L_90~270 (85) av	297
L_45 (65) av	3994
L_45 (75) av	2731
L_45 (85) av	330

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-12-11

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: 2017-12-11

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:219.82V I:0.7204A P:151.54W PF:0.9570 Freq:49.99Hz Lamp Flux:25738x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:4.6kg
SPEC.:AOK-150WoH	DIM.: $\phi 0.319 \times 0.138M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.24M$	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	1405	1405	1405	1405	1405	1405	1405	1405	1405	1405	1405	1405	1405	1405	1405	1405	1405	1405	1405
5	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403
10	1396	1396	1396	1396	1396	1396	1396	1396	1395	1395	1395	1396	1396	1396	1396	1396	1396	1396	1396
15	1383	1383	1383	1383	1382	1383	1382	1382	1382	1382	1382	1382	1382	1383	1382	1383	1383	1383	1383
20	1363	1363	1362	1363	1362	1362	1362	1362	1362	1362	1362	1362	1362	1362	1362	1363	1362	1363	1363
25	1332	1333	1332	1333	1332	1333	1332	1333	1332	1333	1332	1333	1332	1333	1332	1333	1332	1333	1332
30	1289	1290	1288	1289	1288	1289	1289	1291	1290	1291	1290	1291	1289	1289	1288	1289	1288	1290	1289
35	1222	1223	1222	1223	1221	1223	1224	1226	1227	1230	1227	1226	1224	1223	1221	1223	1222	1223	1222
40	1096	1100	1098	1103	1102	1109	1110	1118	1120	1128	1120	1118	1110	1109	1102	1103	1098	1100	1096
45	791	803	795	812	814	838	843	867	875	898	875	867	843	838	814	812	795	803	791
50	160	201	169	213	189	230	225	273	282	354	282	273	225	230	189	213	169	201	160
55	32.3	32.2	31.5	31.8	31.5	32.2	32.2	33.1	33.4	34.6	33.4	33.1	32.2	32.2	31.5	31.8	31.5	32.2	32.3
60	23.4	23.4	23.0	23.1	23.0	23.3	23.4	23.9	24.0	24.6	24.0	23.9	23.4	23.3	23.0	23.1	23.0	23.4	23.4
65	16.9	16.9	16.6	16.8	16.7	17.0	17.0	17.3	17.4	17.8	17.4	17.3	17.0	17.0	16.7	16.8	16.6	16.9	16.9
70	11.5	11.6	11.3	11.7	11.5	11.8	11.5	11.7	11.7	12.1	11.7	11.7	11.5	11.8	11.5	11.7	11.3	11.6	11.5
75	6.87	6.96	6.88	7.21	7.03	7.10	6.90	6.98	6.71	6.92	6.71	6.98	6.90	7.10	7.03	7.21	6.88	6.96	6.87
80	2.29	2.30	2.26	2.40	2.33	2.31	2.07	2.04	1.79	1.84	1.79	2.04	2.07	2.31	2.33	2.40	2.26	2.30	2.29
85	0.25	0.28	0.27	0.31	0.29	0.29	0.28	0.31	0.25	0.26	0.25	0.31	0.28	0.29	0.29	0.31	0.27	0.28	0.25
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: 2017-12-11

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:219.82V I:0.7204A P:151.54W PF:0.9570 Freq:49.99Hz Lamp Flux:25738x1 lm		
NAME: LED Hight Bay Light	TYPE:LED	WEIGHT:4.6kg
SPEC.:AOK-150WoH	DIM.: ϕ 0.319*0.138M	SERIAL No.:
MFR.: AOK	SUR.: ϕ 0.24M	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	1405	1405	1405	1405	1405	1405	1405	1405	1405	1405	1405	1405	1405	1405	1405	1405	1405		
5	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403	1403		
10	1396	1396	1396	1396	1396	1396	1396	1395	1395	1395	1396	1396	1396	1396	1396	1396	1396		
15	1383	1383	1383	1382	1383	1382	1382	1382	1382	1382	1382	1382	1383	1382	1383	1383	1383		
20	1363	1362	1363	1362	1362	1362	1362	1362	1362	1362	1362	1362	1362	1362	1363	1362	1363		
25	1333	1332	1333	1332	1333	1332	1333	1332	1333	1332	1333	1332	1333	1332	1333	1332	1333		
30	1290	1288	1289	1288	1289	1289	1291	1290	1291	1290	1291	1289	1289	1288	1289	1288	1290		
35	1223	1222	1223	1221	1223	1224	1226	1227	1230	1227	1226	1224	1223	1221	1223	1222	1223		
40	1100	1098	1103	1102	1109	1110	1118	1120	1128	1120	1118	1110	1109	1102	1103	1098	1100		
45	803	795	812	814	838	843	867	875	898	875	867	843	838	814	812	795	803		
50	201	169	213	189	230	225	273	282	354	282	273	225	230	189	213	169	201		
55	32.2	31.5	31.8	31.5	32.2	32.2	33.1	33.4	34.6	33.4	33.1	32.2	32.2	31.5	31.8	31.5	32.2		
60	23.4	23.0	23.1	23.0	23.3	23.4	23.9	24.0	24.6	24.0	23.9	23.4	23.3	23.0	23.1	23.0	23.4		
65	16.9	16.6	16.8	16.7	17.0	17.0	17.3	17.4	17.8	17.4	17.3	17.0	17.0	16.7	16.8	16.6	16.9		
70	11.6	11.3	11.7	11.5	11.8	11.5	11.7	11.7	12.1	11.7	11.7	11.5	11.8	11.5	11.7	11.3	11.6		
75	6.96	6.88	7.21	7.03	7.10	6.90	6.98	6.71	6.92	6.71	6.98	6.90	7.10	7.03	7.21	6.88	6.96		
80	2.30	2.26	2.40	2.33	2.31	2.07	2.04	1.79	1.84	1.79	2.04	2.07	2.31	2.33	2.40	2.26	2.30		
85	0.28	0.27	0.31	0.29	0.29	0.28	0.31	0.25	0.26	0.25	0.31	0.28	0.29	0.29	0.31	0.27	0.28		
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:2017-12-11

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: