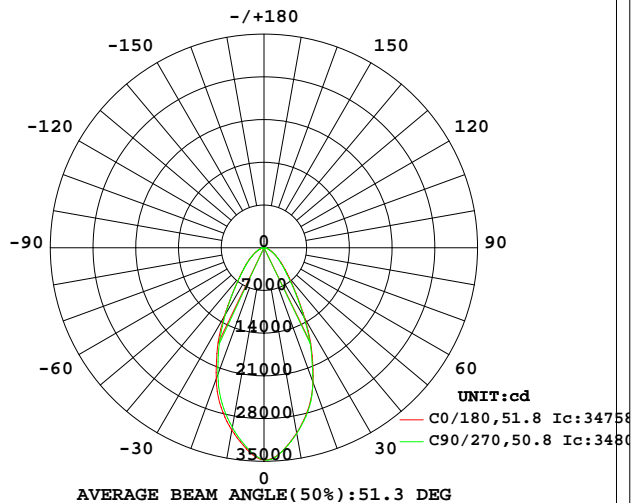


LUMINAIRE PHOTOMETRIC TEST REPORT

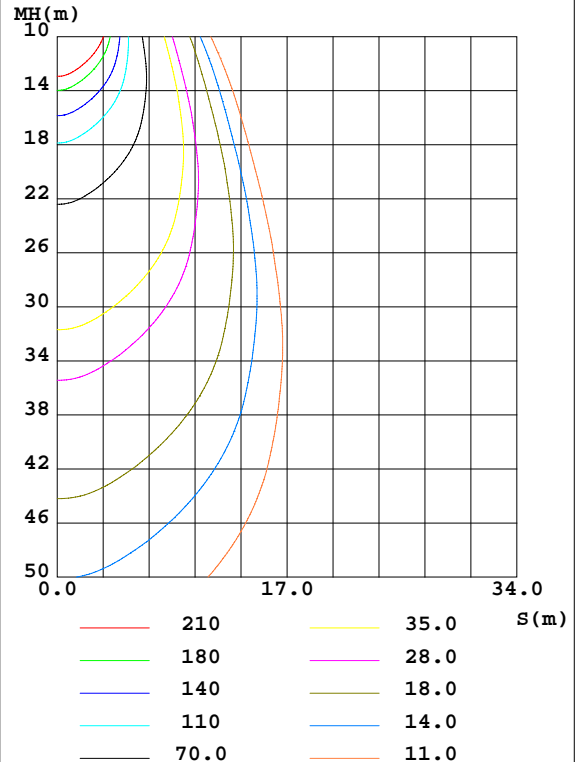
Test:U:219.4V I:0.9267A P:200.2W PF:0.9847 Freq:60.01Hz Lamp Flux:32230.4x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-200WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:260*260mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 161.01 lm/W			
MODEL	2835	Imax(cd)	34837	S/MH(C0/180)	0.78
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	0.76
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	32230	η UP,DN(C0-180)	0.0,50.6
NOMINAL FLUX(lm)	32230.4	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.4
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	0.85

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-10-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [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	3082	3104	3092	3064	3036	2995	2989	3025	0- 10	3082	3082	9.56,9.56
20	2353	2373	2346	2316	2290	2208	2209	2249	10- 20	7546	10628	33,33
30	1340	1340	1309	1307	1306	1264	1271	1292	20- 30	8162	18789	58.3,58.3
40	645.1	630.3	614.8	633.0	618.0	593.3	607.6	645.6	30- 40	5663	24452	75.9,75.9
50	347.1	337.8	332.0	338.9	334.8	320.6	327.5	348.1	40- 50	3541	27993	86.9,86.9
60	177.7	176.6	174.6	174.8	173.0	168.3	171.9	179.9	50- 60	2210	30202	93.7,93.7
70	87.92	87.70	85.46	85.80	84.23	83.96	85.42	88.75	60- 70	1245	31448	97.6,97.6
80	34.35	34.66	33.91	33.75	33.28	33.61	34.34	34.92	70- 80	603.7	32051	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	179.1	32230	100,100
100	0	0	0	0	0	0	0	0	90-100	0	32230	100,100
110	0	0	0	0	0	0	0	0	100-110	0	32230	100,100
120	0	0	0	0	0	0	0	0	110-120	0	32230	100,100
130	0	0	0	0	0	0	0	0	120-130	0	32230	100,100
140	0	0	0	0	0	0	0	0	130-140	0	32230	100,100
150	0	0	0	0	0	0	0	0	140-150	0	32230	100,100
160	0	0	0	0	0	0	0	0	150-160	0	32230	100,100
170	0	0	0	0	0	0	0	0	160-170	0	32230	100,100
180	0	0	0	0	0	0	0	0	170-180	0	32230	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 26416 lm

%lum = 82.0%

%lamp = 82.0%

Conical surface Flux(120deg): 30202 lm

%lum = 93.7%

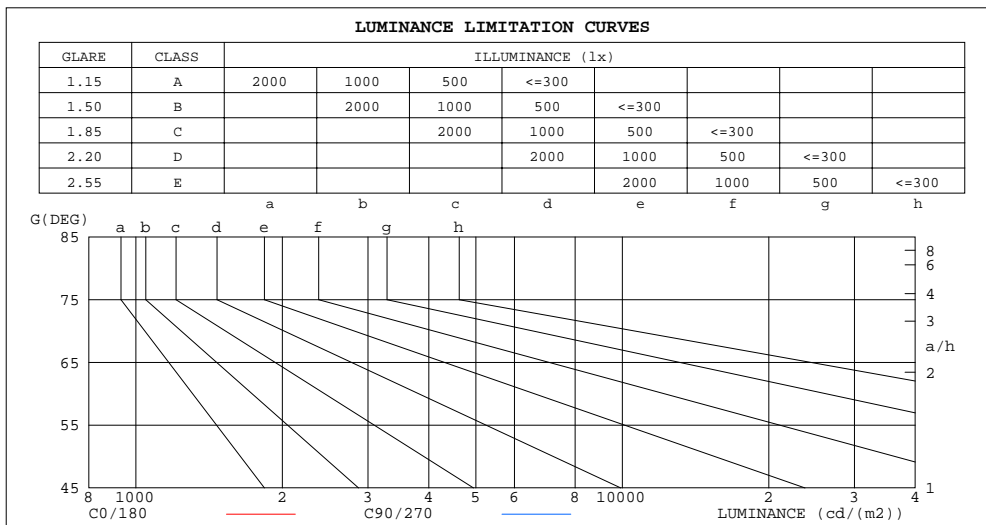
%lamp = 93.7%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-10-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:219.4V I:0.9267A P:200.2W PF:0.9847 Freq:60.01Hz Lamp Flux:32230.4x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-200WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:260*260mm	Shielding Angle:



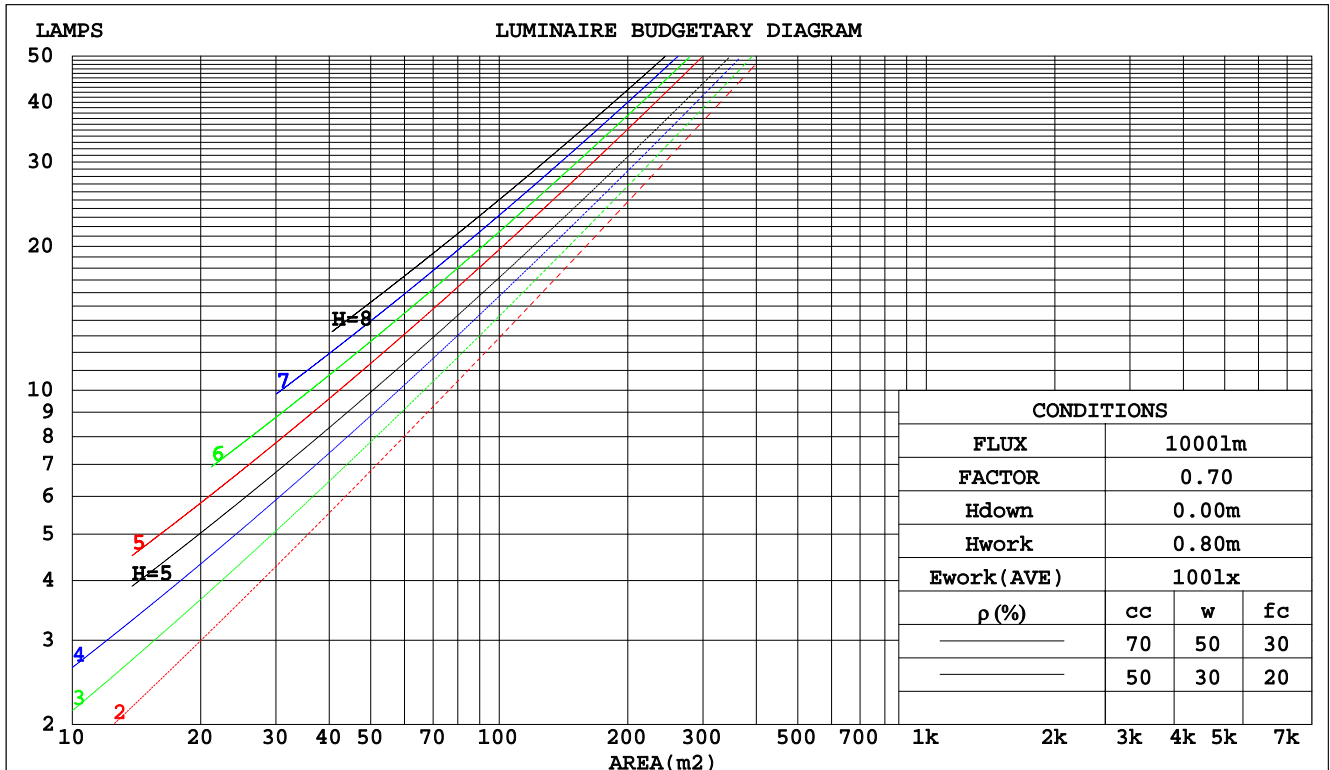
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-10-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.4V I:0.9267A P:200.2W PF:0.9847 Freq:60.01Hz Lamp Flux:32230.4x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-200WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:260*260mm	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	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
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	1.09	1.06	1.03	1.07	1.04	1.01	1.02	1.00	.98	.99	.97	.95	.95	.94	.93	.91
2.0	.99	.95	.90	.98	.93	.89	.94	.91	.87	.91	.88	.86	.88	.86	.84	.82
3.0	.91	.85	.81	.90	.84	.80	.87	.82	.79	.84	.81	.77	.82	.79	.76	.74
4.0	.84	.78	.73	.83	.77	.72	.81	.75	.71	.79	.74	.70	.77	.73	.70	.68
5.0	.78	.71	.66	.77	.70	.66	.75	.69	.65	.73	.68	.65	.72	.67	.64	.62
6.0	.72	.66	.61	.72	.65	.60	.70	.64	.60	.68	.63	.59	.67	.63	.59	.57
7.0	.68	.61	.56	.67	.60	.56	.65	.60	.55	.64	.59	.55	.63	.58	.55	.53
8.0	.63	.57	.52	.63	.56	.52	.61	.56	.52	.60	.55	.51	.59	.55	.51	.50
9.0	.59	.53	.48	.59	.53	.48	.58	.52	.48	.57	.52	.48	.56	.51	.48	.46
10.0	.56	.50	.45	.56	.49	.45	.55	.49	.45	.54	.49	.45	.53	.48	.45	.43



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-10-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:219.4V I:0.9267A P:200.2W PF:0.9847 Freq:60.01Hz Lamp Flux:32230.4x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-200WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:260*260mm	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	.216	.123	.039	.209	.119	.038	.196	.113	.036	.184	.106	.034	.174	.101	.032		
2.0	.206	.113	.035	.200	.110	.034	.189	.105	.033	.179	.100	.031	.170	.096	.030		
3.0	.194	.103	.031	.189	.101	.030	.180	.097	.030	.171	.094	.029	.163	.090	.028		
4.0	.183	.095	.028	.178	.093	.028	.170	.090	.027	.163	.087	.026	.155	.084	.026		
5.0	.172	.088	.025	.168	.086	.025	.161	.084	.025	.154	.081	.024	.148	.079	.024		
6.0	.162	.081	.023	.159	.080	.023	.153	.078	.023	.147	.076	.022	.141	.074	.022		
7.0	.154	.076	.022	.151	.075	.021	.145	.073	.021	.140	.072	.021	.135	.070	.021		
8.0	.146	.071	.020	.143	.070	.020	.138	.069	.020	.133	.067	.019	.129	.066	.019		
9.0	.138	.067	.019	.136	.066	.019	.131	.065	.018	.127	.064	.018	.123	.063	.018		
10.0	.132	.063	.018	.130	.063	.017	.125	.061	.017	.122	.060	.017	.118	.059	.017		

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.174	.157	.142	.149	.135	.122	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.161	.132	.108	.138	.114	.094	.094	.079	.065	.054	.046	.038	.017	.015	.012	
3.0	.150	.114	.085	.128	.098	.074	.088	.068	.052	.051	.040	.030	.016	.013	.010	
4.0	.140	.100	.068	.121	.086	.059	.083	.060	.042	.048	.035	.025	.015	.011	.008	
5.0	.132	.088	.056	.114	.076	.049	.078	.053	.034	.045	.031	.020	.015	.010	.007	
6.0	.125	.079	.047	.107	.069	.040	.074	.048	.029	.043	.028	.017	.014	.009	.006	
7.0	.118	.072	.039	.102	.062	.034	.070	.044	.024	.041	.026	.014	.013	.008	.005	
8.0	.112	.066	.034	.097	.057	.029	.067	.040	.021	.039	.024	.012	.013	.008	.004	
9.0	.107	.061	.029	.092	.053	.026	.064	.037	.018	.037	.022	.011	.012	.007	.004	
10.0	.102	.056	.026	.088	.049	.023	.061	.034	.016	.036	.020	.010	.012	.007	.003	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-10-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:219.4V I:0.9267A P:200.2W PF:0.9847 Freq:60.01Hz Lamp Flux:32230.4x1 lm										
NAME: HBA					TYPE:HIGH BAY LIGHT			WEIGHT:		
SPEC.:AOK-200WHBA-L2-00-5080-60D-P					DIM.:			SERIAL No.:		
MFR.: AOK					SUR.:260*260mm			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	15.2	16.3	15.4	16.5	16.6	15.1	16.2	15.3	16.4	16.6
3H	15.7	16.8	16.0	17.0	17.2	15.6	16.7	15.9	16.9	17.1
4H	15.9	16.9	16.2	17.1	17.4	15.8	16.8	16.1	17.0	17.3
6H	16.1	17.0	16.4	17.3	17.5	16.0	16.9	16.3	17.1	17.4
8H	16.1	17.0	16.5	17.3	17.6	16.0	16.9	16.4	17.2	17.4
12H	16.2	17.0	16.5	17.3	17.6	16.1	16.9	16.4	17.2	17.5
4H 2H	15.4	16.3	15.6	16.6	16.8	15.3	16.3	15.6	16.5	16.7
3H	16.1	16.9	16.4	17.2	17.5	16.0	16.8	16.3	17.1	17.4
4H	16.4	17.2	16.8	17.5	17.8	16.3	17.1	16.7	17.4	17.7
6H	16.6	17.3	17.0	17.7	18.0	16.5	17.2	16.9	17.6	17.9
8H	16.7	17.4	17.1	17.7	18.1	16.6	17.3	17.0	17.6	18.0
12H	16.8	17.4	17.2	17.8	18.2	16.7	17.3	17.1	17.7	18.1
8H 4H	16.5	17.1	16.9	17.5	17.8	16.4	17.0	16.8	17.4	17.7
6H	16.8	17.3	17.2	17.7	18.1	16.7	17.2	17.1	17.6	18.1
8H	17.0	17.4	17.4	17.9	18.3	16.9	17.3	17.3	17.8	18.2
12H	17.1	17.5	17.6	18.0	18.4	17.0	17.4	17.5	17.9	18.3
12H 4H	16.4	17.0	16.9	17.4	17.8	16.4	16.9	16.8	17.3	17.7
6H	16.8	17.3	17.3	17.7	18.1	16.7	17.2	17.2	17.6	18.1
8H	17.0	17.4	17.5	17.9	18.3	16.9	17.3	17.4	17.8	18.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.8					+ 0.6 / - 0.8				
1.5H	+ 0.7 / - 0.4					+ 0.7 / - 0.6				
2.0H	+ 1.2 / - 0.9					+ 1.3 / - 0.9				

CIE Pub.117, 32230 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 12.1$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-10-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:219.4V I:0.9267A P:200.2W PF:0.9847 Freq:60.01Hz Lamp Flux:32230.4x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-200WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:260*260mm	Shielding Angle:

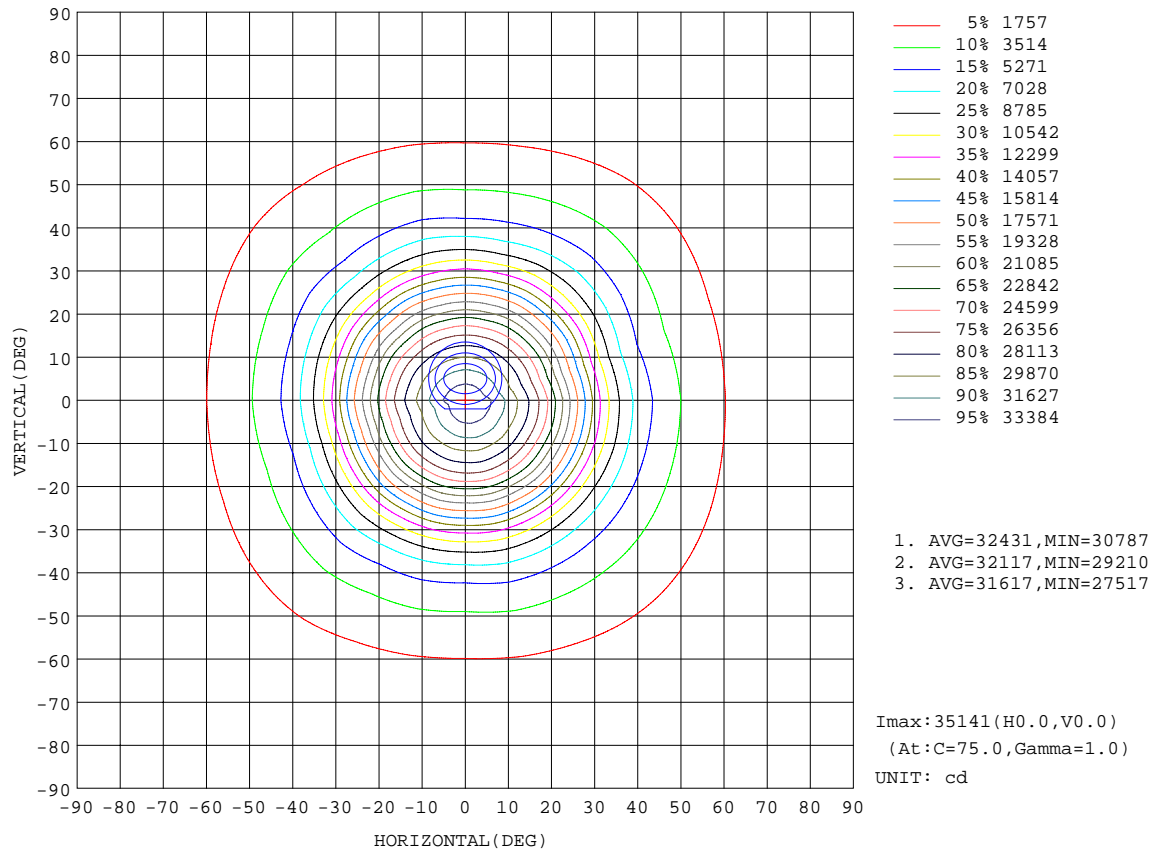
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	76	68	63	76	68	63	75	68	63	58
0.80	85	77	72	84	77	72	83	76	72	67
1.00	91	84	79	90	83	79	88	84	78	73
1.25	96	89	85	95	89	84	93	88	84	78
1.50	100	94	89	99	93	89	96	91	87	82
2.00	104	99	94	103	97	94	100	95	92	86
2.50	107	101	97	105	100	97	101	98	95	88
3.00	109	104	101	107	103	99	103	100	97	90
4.00	111	108	105	109	106	103	105	103	101	93
5.00	113	110	107	111	108	106	107	104	103	94
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-10-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:219.4V I:0.9267A P:200.2W PF:0.9847 Freq:60.01Hz Lamp Flux:32230.4x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-200WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:260*260mm	Shielding Angle:

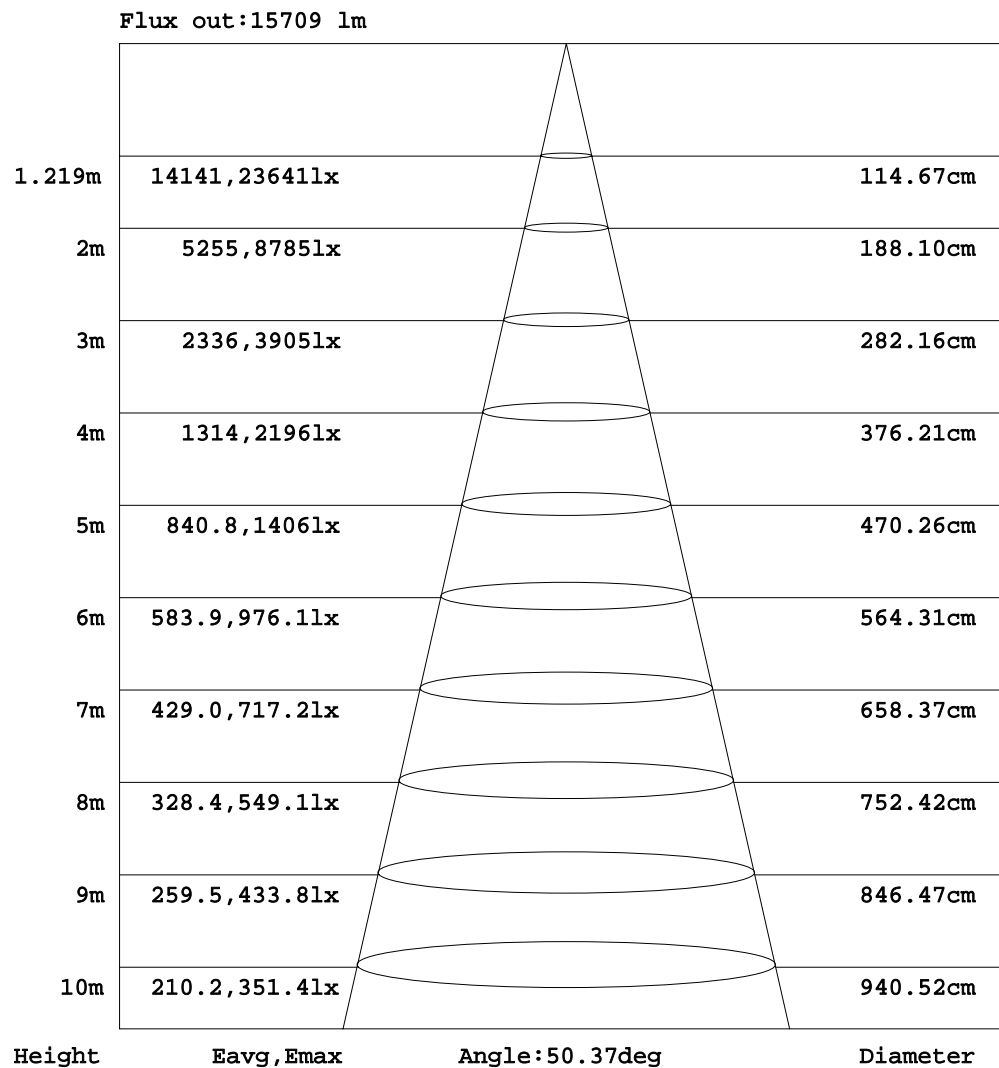


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-10-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

AAI Figure

Test:U:219.4V I:0.9267A P:200.2W PF:0.9847 Freq:60.01Hz Lamp Flux:32230.4x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-200WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:260*260mm	Shielding Angle:



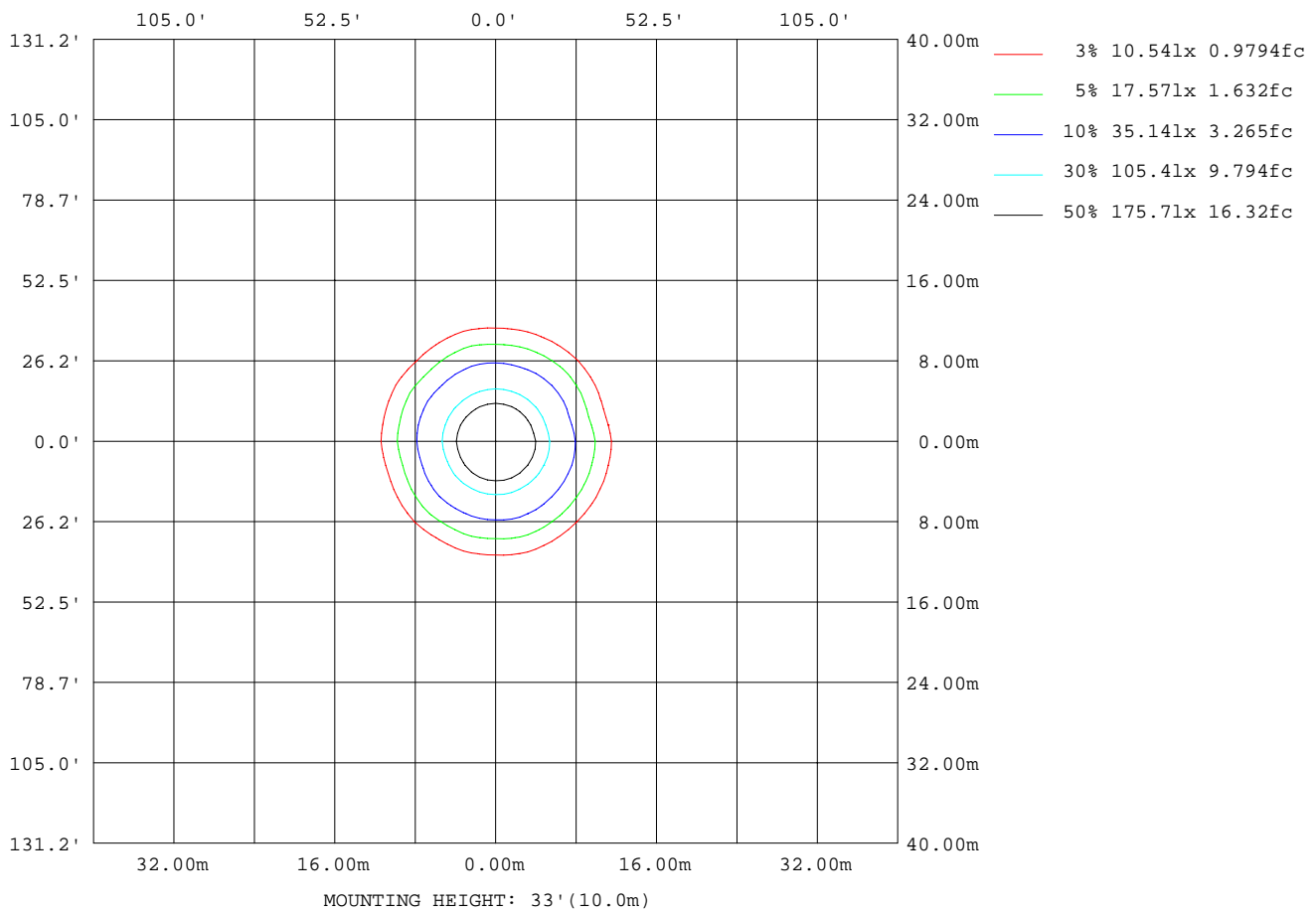
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-10-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:219.4V I:0.9267A P:200.2W PF:0.9847 Freq:60.01Hz Lamp Flux:32230.4x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-200WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:260*260mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-10-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:219.4V I:0.9267A P:200.2W PF:0.9847 Freq:60.01Hz Lamp Flux:32230.4x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-200WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:260*260mm	Shielding Angle:

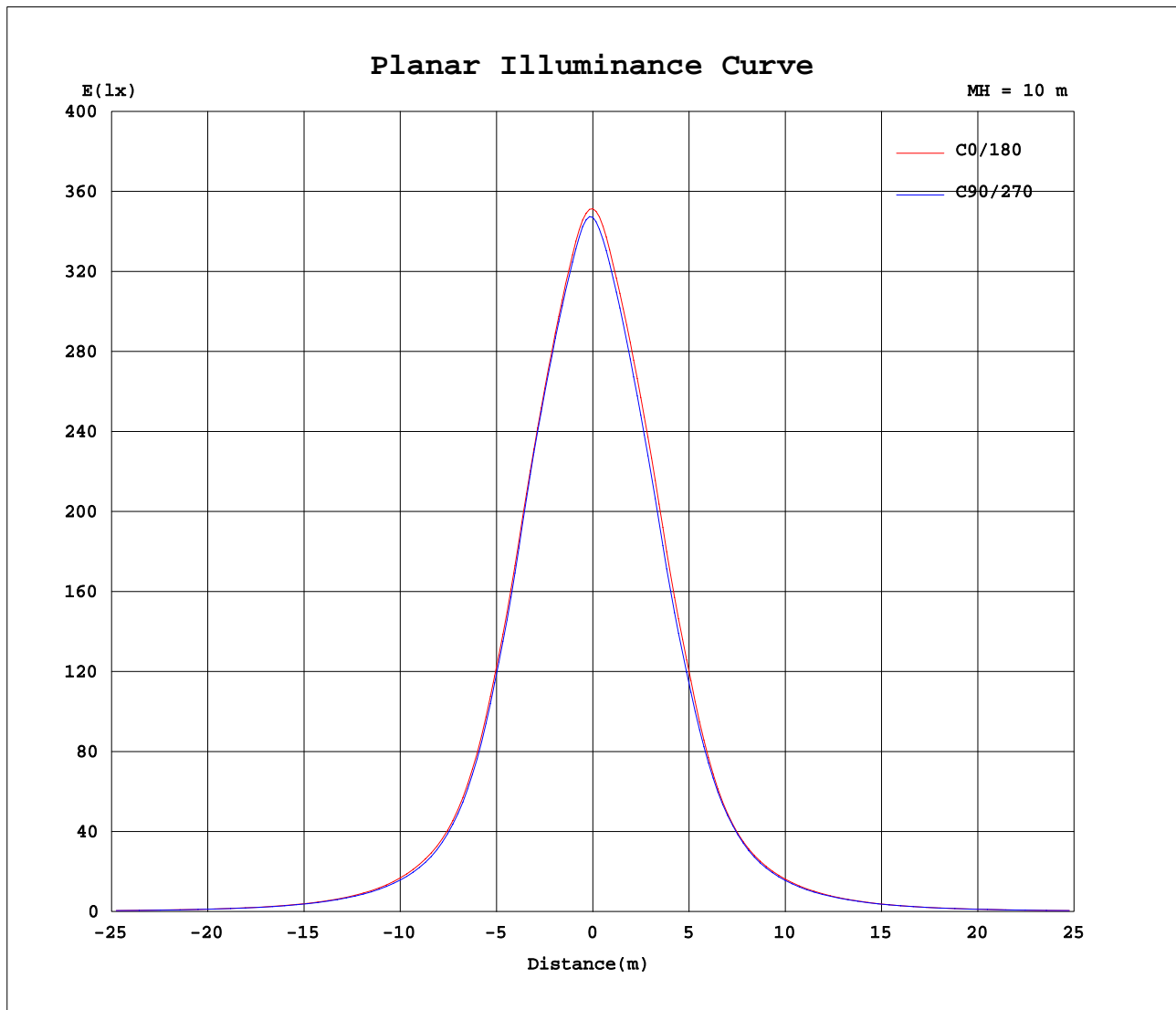
AvgL	cd/m2
L_0~180(65)av	73756
L_0~180(75)av	53951
L_0~180(85)av	46786
L_90~270(65)av	72875
L_90~270(75)av	53779
L_90~270(85)av	47679
L_45(65)av	73648
L_45(75)av	53981
L_45(85)av	47487

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-10-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-10-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.4V I:0.9267A P:200.2W PF:0.9847 Freq:60.01Hz Lamp Flux:32230.4x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-200WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:260*260mm	Shielding Angle:

Table--1

UNIT: ×10cd

C(DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270																		
γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180
0	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	
5	3353	3365	3365	3373	3368	3369	3357	3353	3337	3329	3313	3304	3309	3293	3287	3278	3278	3275	3281	3281	3281	3281	3281	3281	3281	3281	3281	3281	3281	3281	3281	3281	3281	3281	3281	3281	
10	3082	3095	3093	3104	3103	3105	3092	3089	3072	3064	3046	3032	3036	3020	3011	2995	2990	2985	2989	2989	2989	2989	2989	2989	2989	2989	2989	2989	2989	2989	2989	2989	2989	2989	2989	2989	
15	2764	2780	2774	2787	2787	2795	2777	2774	2759	2748	2720	2702	2713	2690	2678	2656	2652	2645	2647	2647	2647	2647	2647	2647	2647	2647	2647	2647	2647	2647	2647	2647	2647	2647	2647	2647	
20	2353	2370	2356	2373	2363	2371	2346	2345	2320	2316	2284	2270	2290	2255	2247	2208	2213	2194	2209	2209	2209	2209	2209	2209	2209	2209	2209	2209	2209	2209	2209	2209	2209	2209	2209	2209	
25	1844	1857	1855	1859	1842	1849	1819	1827	1811	1815	1780	1767	1808	1771	1778	1739	1748	1730	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	
30	1340	1360	1347	1340	1335	1338	1309	1315	1299	1307	1277	1266	1306	1292	1298	1264	1268	1258	1271	1271	1271	1271	1271	1271	1271	1271	1271	1271	1271	1271	1271	1271	1271	1271	1271	1271	
35	918	937	915	911	918	924	892	895	883	896	871	850	881	892	893	863	866	882	876	876	876	876	876	876	876	876	876	876	876	876	876	876	876	876	876	876	
40	645	644	636	630	638	646	615	623	610	633	607	585	618	617	630	593	611	631	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608	
45	472	466	463	458	463	471	448	459	444	461	441	425	454	448	459	432	446	461	441	441	441	441	441	441	441	441	441	441	441	441	441	441	441	441	441	441	
50	347	344	341	338	341	347	332	338	330	339	325	315	335	331	336	321	331	339	328	328	328	328	328	328	328	328	328	328	328	328	328	328	328	328	328	328	
55	251	251	248	247	248	253	244	247	241	246	237	232	243	242	243	235	241	246	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	
60	178	179	177	177	177	180	175	176	172	175	170	167	173	172	173	168	172	175	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	
65	127	127	126	125	126	127	124	125	123	124	122	119	123	122	123	122	123	125	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	
70	87.9	88.4	87.5	87.7	86.8	87.5	85.5	86.3	84.8	85.8	83.8	83.2	84.2	84.8	85.2	84.0	85.4	86.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4		
75	57.2	57.3	56.6	56.8	56.4	56.8	55.5	55.8	54.8	55.2	54.4	54.2	54.5	54.2	54.9	54.3	55.5	56.2	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	
80	34.3	34.6	34.6	34.7	34.1	34.2	33.9	34.1	33.7	33.8	33.8	33.7	33.3	33.2	33.5	33.6	34.0	34.4	34.4	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	
85	16.8	16.9	16.9	17.1	16.9	17.1	16.7	16.8	16.4	16.6	16.2	16.2	15.9	15.5	15.9	15.8	16.2	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	
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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.4V I:0.9267A P:200.2W PF:0.9847 Freq:60.01Hz Lamp Flux:32230.4x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-200WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:260*260mm	Shielding Angle:

Table--2

UNIT: x10cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	3476	3476	3476	3476	3476														
5	3283	3294	3303	3318	3327														
10	2996	3013	3025	3040	3049														
15	2657	2675	2689	2705	2715														
20	2209	2242	2249	2274	2269														
25	1751	1774	1769	1792	1773														
30	1264	1297	1292	1307	1271														
35	865	898	905	898	853														
40	607	630	646	628	585														
45	448	459	471	458	426														
50	332	341	348	338	319														
55	242	248	253	246	236														
60	173	177	180	176	170														
65	124	125	128	125	122														
70	86.4	87.3	88.7	87.5	86.1														
75	56.4	56.7	57.3	57.1	56.6														
80	34.7	34.6	34.9	34.7	34.5														
85	16.7	16.8	16.8	16.9	16.9														
90	0.00	0.00	0.00	0.00	0.00														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-10-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks: