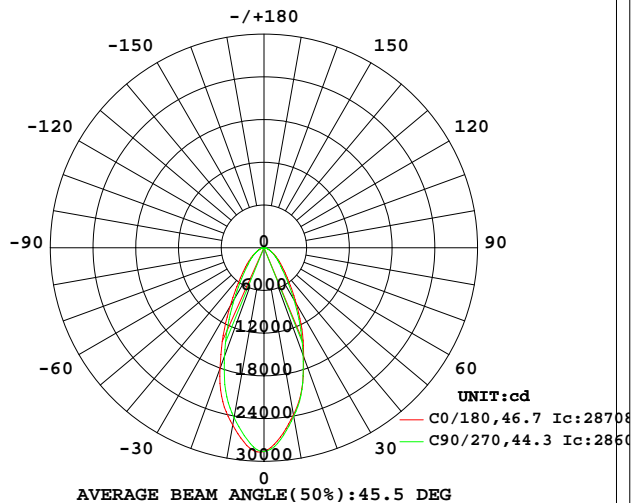


LUMINAIRE PHOTOMETRIC TEST REPORT

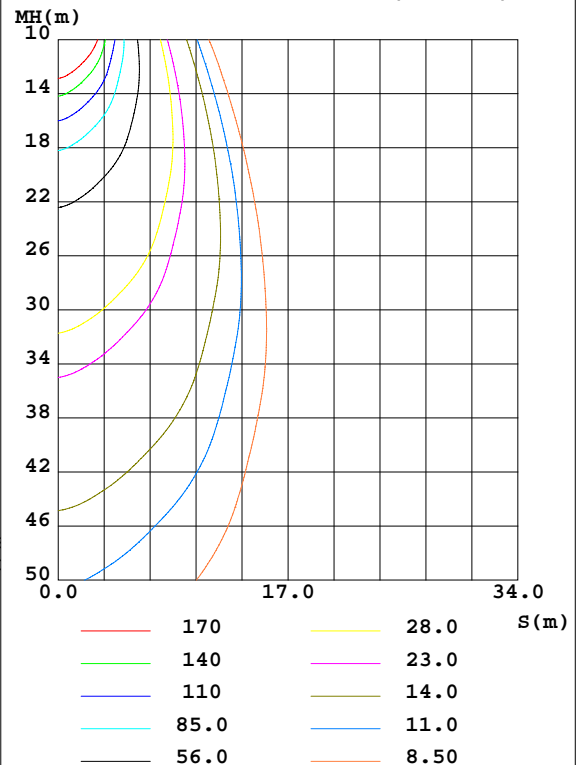
Test:U:219.4V I:0.6738A P:145.5W PF:0.9842 Freq:60.01Hz Lamp Flux:23391.2x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-150WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 160.78 lm/W			
MODEL	2835	I _{max} (cd)	28708	S/MH(C0/180)	0.76
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	0.70
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	23391	η UP,DN(C0-180)	0.2,50.0
NOMINAL FLUX(lm)	23391.2	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,49.8
LAMPS INSIDE	1	η up(%)	0.2	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	220	η down(%)	99.8	CIBSE SHR MAX	0.75

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	2385	2382	2405	2454	2530	2485	2424	2341	0- 10	2491	2491	10.6,10.6
20	1632	1611	1605	1644	1808	1719	1623	1521	10- 20	5720	8211	35.1,35.1
30	911.1	880.6	842.6	850.1	955.0	879.8	838.5	801.1	20- 30	5590	13801	59,59
40	461.5	446.6	405.0	410.7	472.3	429.6	407.0	403.9	30- 40	3827	17628	75.4,75.4
50	257.9	253.0	232.6	234.0	260.2	240.7	234.6	235.0	40- 50	2499	20127	86,86
60	134.3	134.6	127.1	127.3	134.1	126.5	126.2	127.7	50- 60	1620	21747	93,93
70	68.37	69.75	67.52	67.47	67.10	65.64	66.09	67.60	60- 70	949.6	22697	97,97
80	29.16	30.51	30.55	30.94	28.52	28.51	29.31	30.62	70- 80	489.9	23187	99.1,99.1
90	0.1238	0.1120	0.1177	0.1005	0.0397	0.1085	0.0350	0.0493	80- 90	151.2	23338	99.8,99.8
100	0.1807	0.1726	0.1735	0.1746	0.0684	0.0664	0.0644	0.0649	90-100	1.019	23339	99.8,99.8
110	0.3239	0.3071	0.3078	0.3076	0.1316	0.1296	0.1272	0.1269	100-110	1.749	23341	99.8,99.8
120	0.5597	0.5265	0.5234	0.5206	0.2393	0.2364	0.2326	0.2326	110-120	2.907	23344	99.8,99.8
130	0.9895	0.9195	0.9089	0.8948	0.4236	0.4172	0.4128	0.4117	120-130	4.547	23348	99.8,99.8
140	1.805	1.697	1.638	1.595	0.7568	0.7420	0.7357	0.7336	130-140	6.968	23355	99.8,99.8
150	3.031	2.895	2.781	2.684	1.335	1.305	1.293	1.299	140-150	9.971	23365	99.9,99.9
160	4.224	4.106	3.995	3.893	2.239	2.178	2.170	2.183	150-160	11.76	23377	99.9,99.9
170	4.854	4.772	4.719	4.672	3.487	3.413	3.411	3.426	160-170	10.08	23387	100,100
180	4.604	4.543	4.532	4.534	4.631	4.533	4.536	4.534	170-180	4.106	23391	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 18995 lm

%lum = 81.2%

%lamp = 81.2%

Conical surface Flux(120deg): 21747 lm

%lum = 93.0%

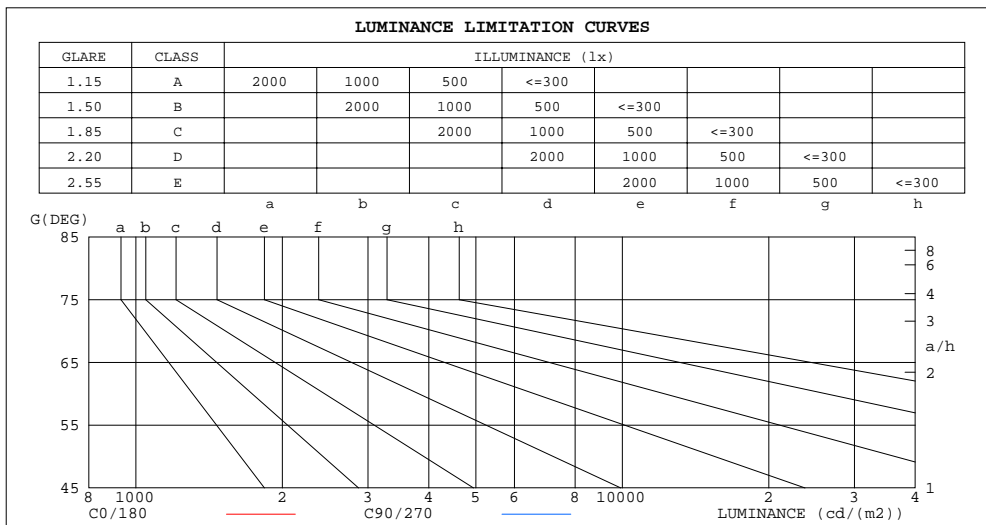
%lamp = 93.0%

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:0.6738A P:145.5W PF:0.9842 Freq:60.01Hz Lamp Flux:23391.2x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-150WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



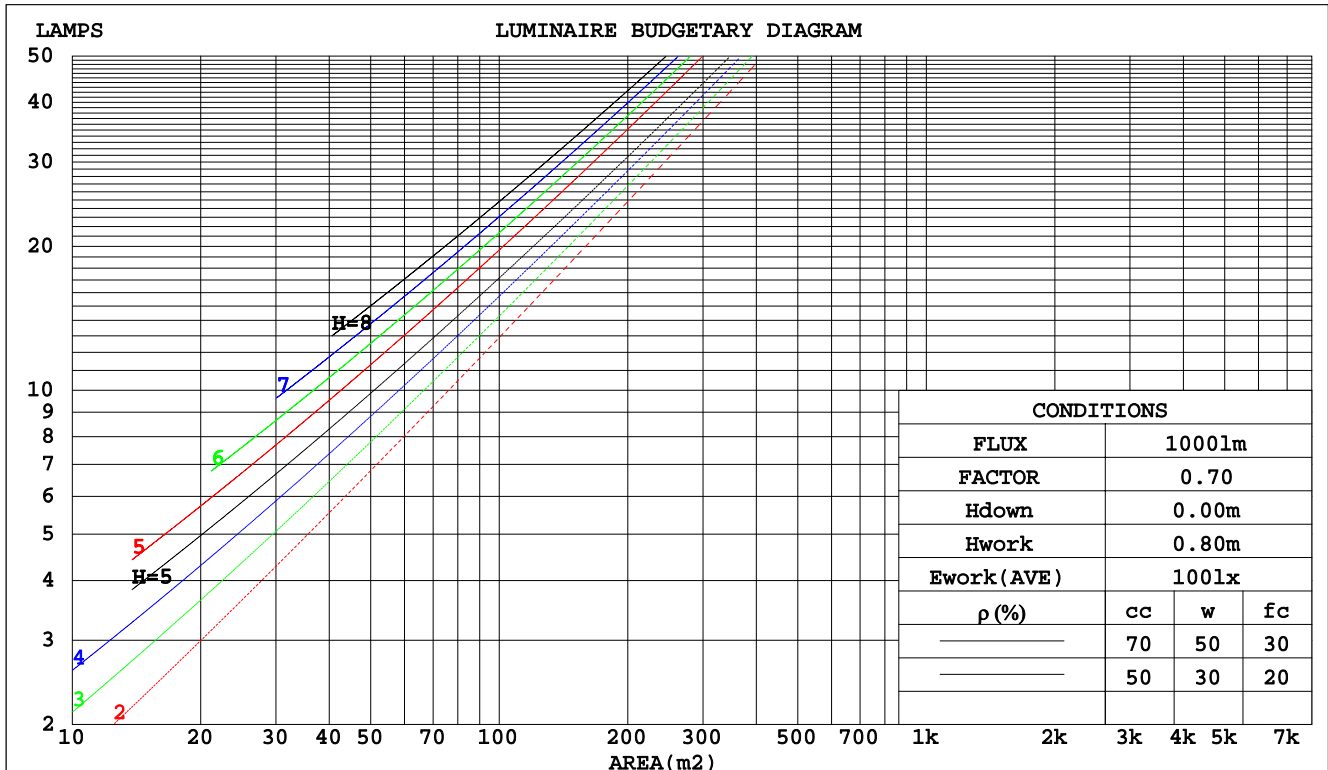
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-10-12

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:0.6738A P:145.5W PF:0.9842 Freq:60.01Hz Lamp Flux:23391.2x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-150WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	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						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	1.03	1.06	1.04	1.01	1.02	1.00	.98	.98	.97	.95	.95	.94	.92	.90
2.0	.99	.94	.90	.98	.93	.89	.94	.90	.87	.91	.88	.85	.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	.71	.77	.73	.70	.68
5.0	.78	.71	.66	.77	.71	.66	.75	.70	.65	.73	.69	.65	.72	.68	.64	.62
6.0	.73	.66	.61	.72	.65	.61	.70	.65	.60	.69	.64	.60	.67	.63	.59	.58
7.0	.68	.61	.56	.67	.61	.56	.66	.60	.56	.65	.59	.56	.63	.59	.55	.54
8.0	.64	.57	.53	.63	.57	.52	.62	.56	.52	.61	.56	.52	.60	.55	.52	.50
9.0	.60	.54	.49	.59	.53	.49	.58	.53	.49	.58	.52	.49	.57	.52	.48	.47
10.0	.57	.50	.46	.56	.50	.46	.55	.50	.46	.54	.49	.46	.54	.49	.46	.44



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:0.6738A P:145.5W PF:0.9842 Freq:60.01Hz Lamp Flux:23391.2x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-150WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	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	.217	.123	.039	.210	.120	.038	.197	.113	.036	.185	.107	.034	.174	.101	.033	
2.0	.206	.113	.035	.200	.110	.034	.189	.105	.033	.179	.100	.031	.169	.096	.030	
3.0	.194	.103	.031	.189	.101	.030	.179	.097	.029	.170	.093	.029	.162	.090	.028	
4.0	.182	.095	.028	.178	.093	.027	.169	.090	.027	.162	.087	.026	.154	.084	.026	
5.0	.171	.087	.025	.167	.086	.025	.160	.083	.025	.153	.081	.024	.147	.078	.024	
6.0	.161	.081	.023	.158	.080	.023	.151	.078	.023	.145	.076	.022	.140	.074	.022	
7.0	.152	.075	.021	.149	.074	.021	.144	.073	.021	.138	.071	.021	.133	.069	.020	
8.0	.144	.070	.020	.142	.070	.020	.136	.068	.019	.132	.067	.019	.127	.065	.019	
9.0	.137	.066	.018	.134	.066	.018	.130	.064	.018	.126	.063	.018	.122	.062	.018	
10.0	.130	.062	.017	.128	.062	.017	.124	.061	.017	.120	.060	.017	.116	.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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.176	.159	.143	.150	.136	.123	.103	.094	.085	.059	.054	.050	.019	.017	.016	
2.0	.163	.134	.110	.139	.115	.095	.095	.080	.066	.055	.046	.039	.018	.015	.013	
3.0	.152	.116	.087	.130	.100	.075	.089	.069	.053	.052	.040	.031	.017	.013	.010	
4.0	.142	.101	.070	.122	.087	.061	.084	.061	.043	.048	.036	.025	.016	.012	.008	
5.0	.134	.090	.058	.115	.078	.050	.079	.054	.035	.046	.032	.021	.015	.010	.007	
6.0	.126	.081	.048	.109	.070	.042	.075	.049	.030	.043	.029	.018	.014	.009	.006	
7.0	.120	.074	.041	.103	.064	.036	.071	.045	.026	.041	.026	.015	.013	.009	.005	
8.0	.114	.067	.036	.098	.059	.031	.068	.041	.022	.039	.024	.013	.013	.008	.004	
9.0	.108	.062	.031	.093	.054	.027	.065	.038	.019	.038	.022	.012	.012	.007	.004	
10.0	.103	.058	.028	.089	.050	.024	.062	.035	.017	.036	.021	.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:0.6738A P:145.5W PF:0.9842 Freq:60.01Hz Lamp Flux:23391.2x1 lm												
NAME: HBA						TYPE:HIGH BAY LIGHT			WEIGHT:			
SPEC.:AOK-150WHBA-L2-00-5080-60D-P						DIM.:			SERIAL No.:			
MFR.: AOK						SUR.:180*180mm			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		14.9	16.0	15.2	16.2	16.4	14.8	15.9	15.1	16.1	16.3	
		3H	15.6	16.6	15.9	16.8	17.0	15.5	16.6	15.8	16.8	17.0
		4H	15.9	16.8	16.1	17.1	17.3	15.8	16.8	16.1	17.0	17.3
		6H	16.1	17.0	16.4	17.2	17.5	16.1	17.0	16.4	17.2	17.5
		8H	16.1	17.0	16.5	17.3	17.6	16.2	17.0	16.5	17.3	17.6
		12H	16.2	17.0	16.5	17.3	17.6	16.2	17.1	16.6	17.4	17.6
4H	2H	15.2	16.2	15.5	16.4	16.6	15.1	16.1	15.4	16.3	16.6	
	3H	16.0	16.9	16.4	17.2	17.4	16.0	16.8	16.3	17.1	17.4	
	4H	16.4	17.2	16.8	17.5	17.8	16.4	17.2	16.8	17.5	17.8	
	6H	16.7	17.4	17.1	17.7	18.1	16.8	17.4	17.1	17.8	18.1	
	8H	16.9	17.5	17.3	17.9	18.2	16.9	17.5	17.3	17.9	18.3	
	12H	17.0	17.5	17.4	17.9	18.3	17.0	17.6	17.5	18.0	18.4	
8H	4H	16.5	17.1	16.9	17.5	17.9	16.5	17.1	16.9	17.5	17.9	
	6H	17.0	17.5	17.4	17.9	18.3	17.0	17.5	17.4	17.9	18.4	
	8H	17.2	17.7	17.6	18.1	18.5	17.2	17.7	17.7	18.1	18.6	
	12H	17.4	17.8	17.8	18.2	18.7	17.4	17.8	17.9	18.3	18.8	
12H	4H	16.5	17.1	16.9	17.5	17.9	16.5	17.1	16.9	17.5	17.9	
	6H	17.0	17.5	17.5	17.9	18.3	17.0	17.5	17.5	17.9	18.4	
	8H	17.3	17.7	17.7	18.1	18.6	17.3	17.7	17.8	18.2	18.6	
Variations with the observer position at spacings:												
S = 1.0H		+ 0.5 / - 0.6					+ 0.5 / - 0.6					
1.5H		+ 0.6 / - 0.3					+ 0.4 / - 0.4					
2.0H		+ 1.0 / - 0.7					+ 0.9 / - 0.7					

CIE Pub.117, 23391 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 11.0)

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:0.6738A P:145.5W PF:0.9842 Freq:60.01Hz Lamp Flux:23391.2x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-150WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

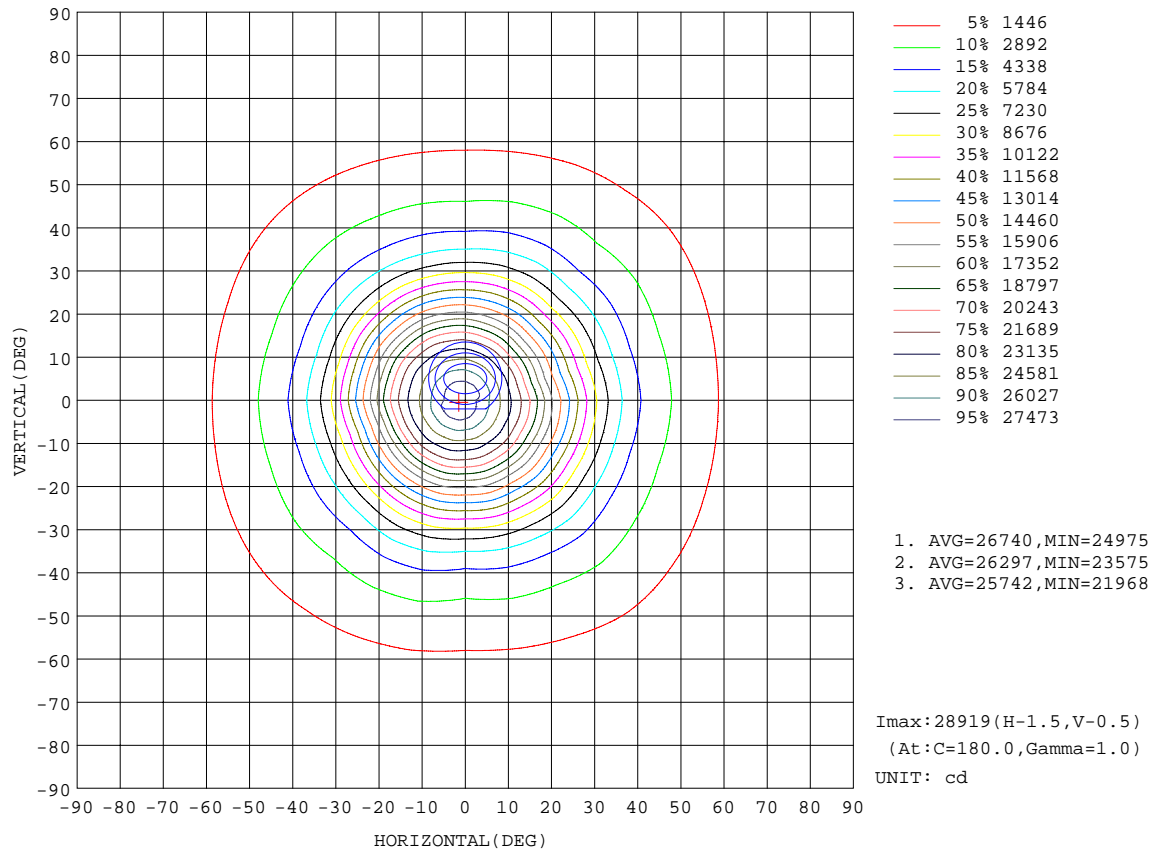
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	76	68	63	76	68	63	75	67	63	58
0.80	85	77	72	84	76	72	83	76	71	66
1.00	91	83	78	90	83	78	88	83	78	73
1.25	96	89	84	95	88	84	93	87	83	78
1.50	100	93	89	98	92	88	96	91	87	81
2.00	104	98	94	102	97	93	99	95	92	85
2.50	106	101	97	105	100	96	101	97	94	88
3.00	108	104	100	107	102	99	103	100	97	90
4.00	111	107	104	109	106	103	105	102	100	92
5.00	113	110	107	110	108	105	106	104	102	94
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 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:0.6738A P:145.5W PF:0.9842 Freq:60.01Hz Lamp Flux:23391.2x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-150WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

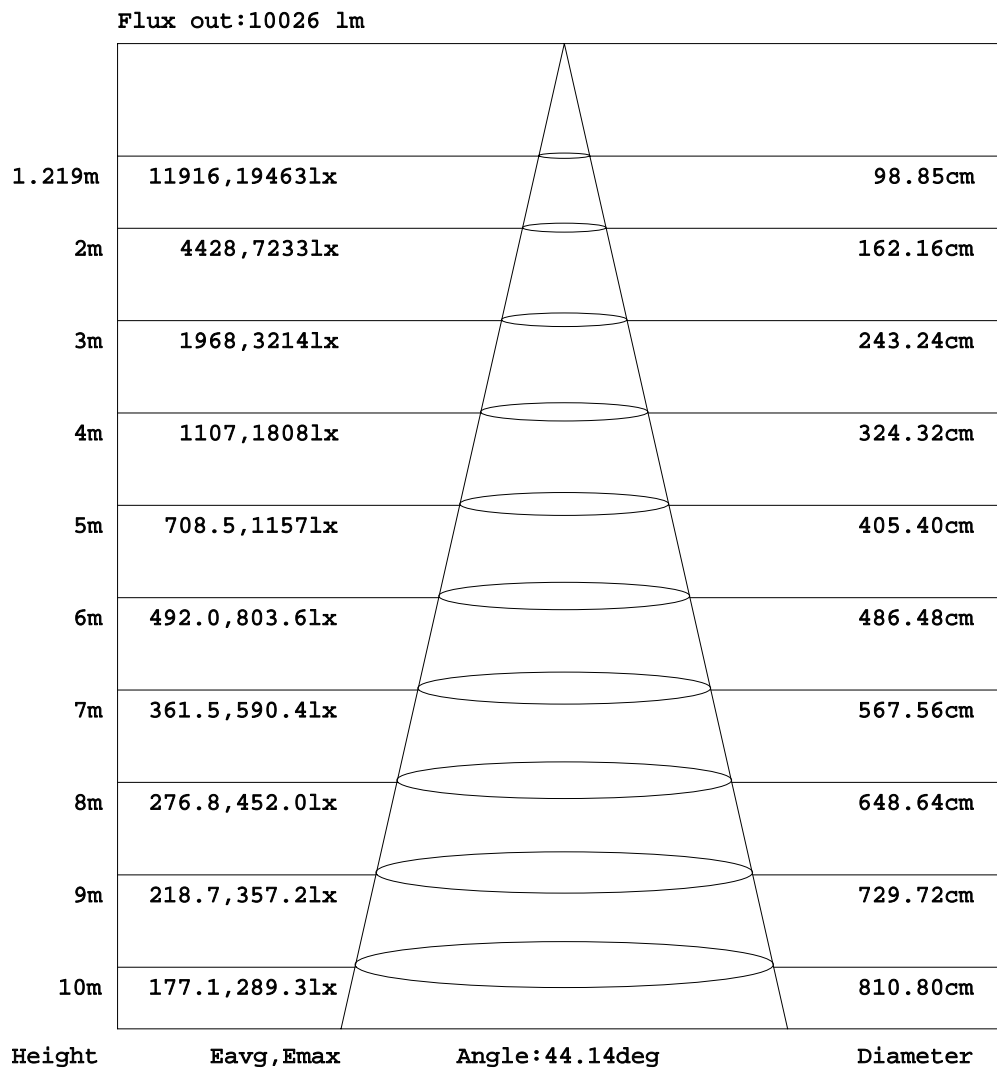


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-10-12

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:0.6738A P:145.5W PF:0.9842 Freq:60.01Hz Lamp Flux:23391.2x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-150WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



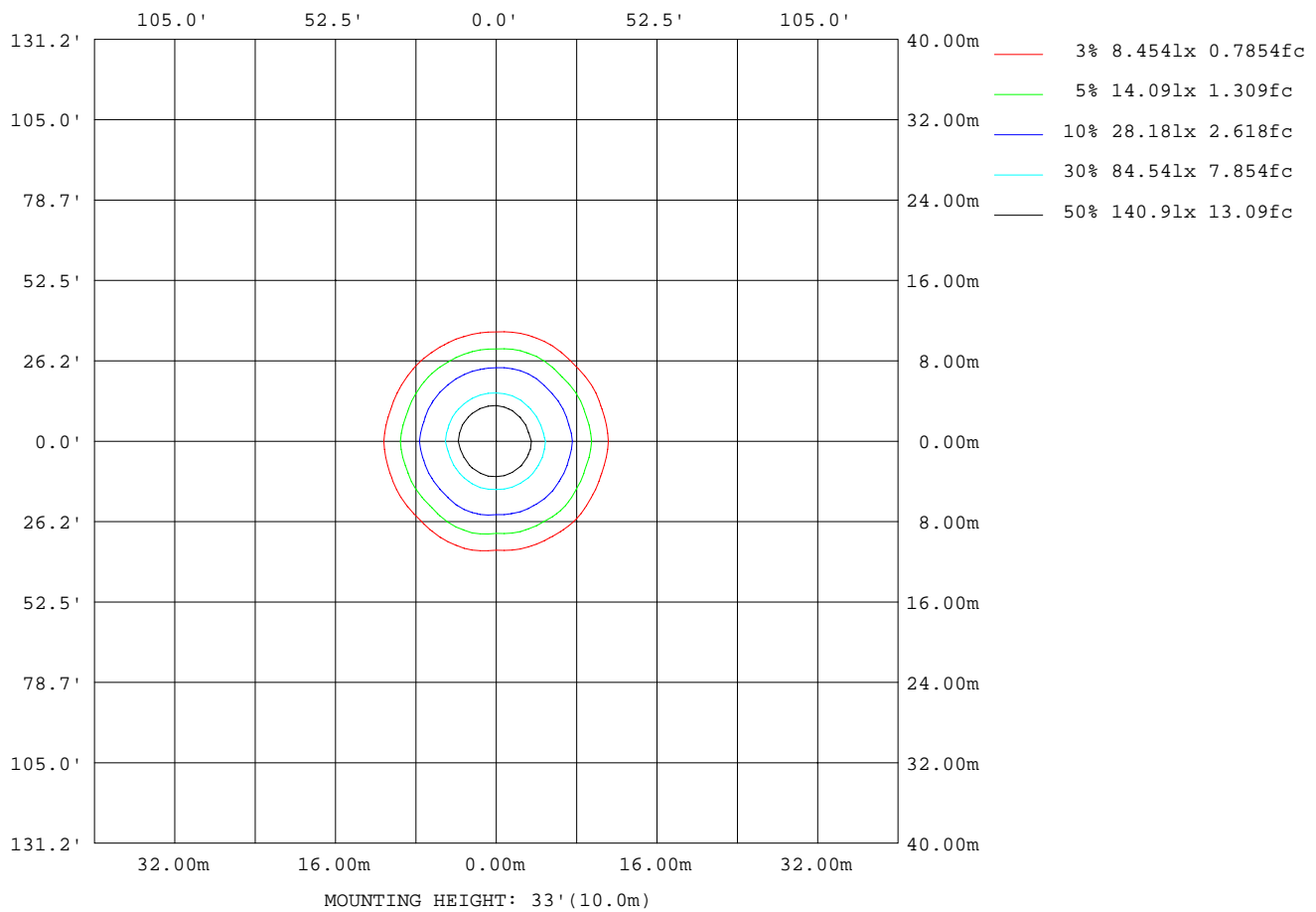
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.6738A P:145.5W PF:0.9842 Freq:60.01Hz Lamp Flux:23391.2x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-150WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	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:0.6738A P:145.5W PF:0.9842 Freq:60.01Hz Lamp Flux:23391.2x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-150WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

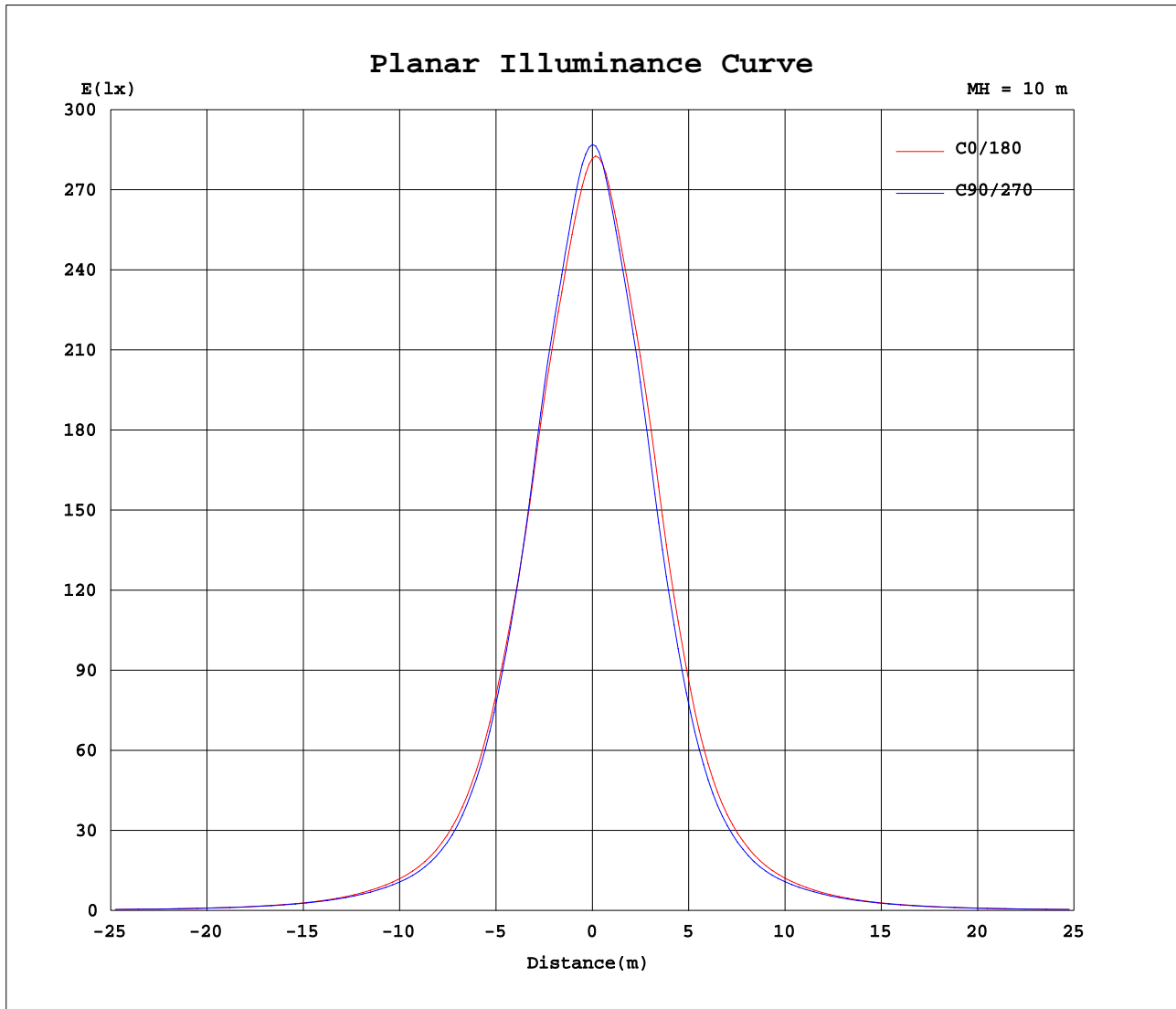
AvgL	cd/m2
L_0~180(65)av	57043
L_0~180(75)av	43045
L_0~180(85)av	38203
L_90~270(65)av	55048
L_90~270(75)av	43551
L_90~270(85)av	39773
L_45(65)av	55981
L_45(75)av	43880
L_45(85)av	40226

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:0.6738A P:145.5W PF:0.9842 Freq:60.01Hz Lamp Flux:23391.2x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-150WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

Table--1

UNIT: ×10cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	2861	2861	2861	2861	2861	2861	2861	2861	2861	2861	2861	2861	2861	2861	2861	2861	2861	2861	2861
5	2668	2667	2666	2676	2680	2694	2703	2722	2731	2750	2756	2771	2786	2777	2778	2759	2746	2720	2707
10	2385	2382	2374	2382	2385	2401	2405	2428	2433	2454	2454	2470	2530	2513	2510	2485	2469	2438	2424
15	2056	2048	2026	2045	2043	2063	2062	2095	2102	2124	2122	2149	2240	2214	2209	2172	2151	2104	2080
20	1632	1627	1601	1611	1597	1616	1605	1635	1636	1644	1644	1667	1808	1767	1762	1719	1695	1651	1623
25	1261	1240	1219	1230	1208	1219	1200	1226	1224	1218	1215	1218	1359	1316	1310	1274	1254	1227	1201
30	911	885	866	881	862	861	843	874	872	850	849	860	955	907	906	880	868	846	839
35	645	621	609	622	602	596	578	615	616	587	593	610	663	622	621	607	594	582	578
40	462	432	431	447	429	426	405	442	440	411	425	431	472	437	435	430	419	416	407
45	343	319	321	333	319	319	302	330	327	306	320	321	349	323	321	319	312	312	305
50	258	244	244	253	243	241	233	250	246	234	241	244	260	244	242	241	237	237	235
55	188	181	181	187	180	179	174	184	181	175	177	180	188	179	178	176	175	174	174
60	134	131	131	135	131	130	127	133	131	127	128	131	134	129	128	126	126	126	126
65	96.6	95.0	95.4	97.8	95.7	95.5	93.6	97.1	96.0	93.9	94.6	95.6	96.3	93.4	93.5	92.8	92.1	93.5	92.5
70	68.4	68.0	68.1	69.8	68.3	68.8	67.5	69.3	68.5	67.5	67.9	67.9	67.1	65.8	66.5	65.6	65.5	66.2	66.1
75	45.2	45.6	45.5	46.7	45.9	46.4	45.7	46.7	45.8	45.7	45.4	45.5	43.9	43.4	43.9	43.7	43.9	44.2	44.5
80	29.2	29.8	30.1	30.5	30.2	30.8	30.5	31.0	30.5	30.9	30.5	30.5	28.5	28.3	28.5	28.5	28.6	29.2	29.3
85	14.1	14.4	14.3	14.7	14.3	14.9	14.3	14.5	14.1	14.5	13.9	13.9	12.5	12.4	12.5	12.7	13.0	13.1	13.4
90	0.12	0.12	0.12	0.11	0.12	0.11	0.12	0.11	0.11	0.10	0.11	0.10	0.04	0.13	0.04	0.11	0.04	0.15	0.03
95	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.05	0.05	0.05	0.05	0.05	0.05	0.05
100	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.18	0.17	0.18	0.18	0.07	0.07	0.07	0.07	0.07	0.07	0.06
105	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.23	0.24	0.23	0.24	0.24	0.10	0.09	0.09	0.09	0.09	0.09	0.09
110	0.32	0.31	0.31	0.31	0.31	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.13	0.13	0.13	0.13	0.13	0.13	0.13
115	0.43	0.41	0.41	0.40	0.40	0.40	0.40	0.40	0.41	0.40	0.41	0.41	0.18	0.18	0.18	0.18	0.17	0.17	0.17
120	0.56	0.54	0.54	0.53	0.53	0.52	0.52	0.52	0.53	0.52	0.53	0.53	0.24	0.24	0.24	0.24	0.23	0.23	0.23
125	0.74	0.72	0.71	0.69	0.69	0.67	0.69	0.68	0.69	0.68	0.69	0.69	0.32	0.32	0.32	0.31	0.31	0.31	0.31
130	0.99	0.96	0.95	0.92	0.92	0.90	0.91	0.90	0.91	0.89	0.90	0.90	0.42	0.42	0.42	0.42	0.41	0.41	0.41
135	1.34	1.31	1.28	1.25	1.24	1.21	1.22	1.20	1.21	1.19	1.20	1.19	0.56	0.56	0.56	0.56	0.55	0.54	0.55
140	1.81	1.77	1.74	1.70	1.68	1.65	1.64	1.61	1.61	1.60	1.59	1.58	0.76	0.75	0.75	0.74	0.73	0.73	0.74
145	2.39	2.35	2.31	2.26	2.24	2.19	2.17	2.12	2.12	2.10	2.09	2.07	1.01	1.00	0.99	0.99	0.97	0.98	0.98
150	3.03	2.99	2.96	2.90	2.87	2.81	2.78	2.72	2.72	2.68	2.67	2.64	1.33	1.32	1.31	1.31	1.29	1.30	1.29
155	3.67	3.63	3.59	3.53	3.50	3.44	3.41	3.35	3.34	3.30	3.29	3.25	1.74	1.71	1.70	1.69	1.68	1.69	1.68
160	4.22	4.19	4.15	4.11	4.07	4.02	4.00	3.95	3.93	3.89	3.88	3.85	2.24	2.21	2.19	2.18	2.17	2.18	2.17
165	4.63	4.60	4.57	4.53	4.50	4.47	4.45	4.41	4.40	4.37	4.36	4.33	2.83	2.79	2.78	2.76	2.76	2.76	2.76
170	4.85	4.83	4.80	4.77	4.75	4.73	4.72	4.70	4.69	4.67	4.66	4.64	3.49	3.44	3.43	3.41	3.41	3.41	3.41
175	4.85	4.83	4.80	4.78	4.77	4.76	4.76	4.75	4.75	4.74	4.73	4.72	4.12	4.08	4.06	4.05	4.04	4.05	4.04
180	4.60	4.59	4.55	4.54	4.53	4.53	4.53	4.53	4.54	4.53	4.53	4.53	4.63	4.57	4.57	4.53	4.54	4.53	4.54

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:0.6738A P:145.5W PF:0.9842 Freq:60.01Hz Lamp Flux:23391.2x1 lm		
NAME: HBA	TYPE:HIGH BAY LIGHT	WEIGHT:
SPEC.:AOK-150WHBA-L2-00-5080-60D-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

Table--2

UNIT: x10cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	2861	2861	2861	2861	2861														
5	2684	2672	2652	2647	2636														
10	2392	2372	2341	2334	2320														
15	2040	2012	1964	1954	1940														
20	1587	1563	1521	1518	1505														
25	1192	1173	1133	1143	1136														
30	844	833	801	819	820														
35	596	597	568	581	589														
40	429	427	404	422	422														
45	319	320	303	317	315														
50	243	245	235	244	242														
55	178	180	176	180	180														
60	128	130	128	131	131														
65	94.5	95.4	94.1	95.7	95.3														
70	67.2	68.1	67.6	68.9	68.5														
75	45.1	45.5	45.6	46.7	46.4														
80	29.4	30.2	30.6	31.6	31.0														
85	13.6	14.3	14.3	14.8	14.9														
90	0.04	0.04	0.05	0.05	0.06														
95	0.05	0.04	0.05	0.04	0.04														
100	0.07	0.06	0.06	0.06	0.06														
105	0.09	0.09	0.09	0.09	0.09														
110	0.13	0.13	0.13	0.13	0.13														
115	0.17	0.17	0.17	0.17	0.17														
120	0.24	0.23	0.23	0.23	0.23														
125	0.31	0.30	0.31	0.31	0.31														
130	0.41	0.40	0.41	0.41	0.41														
135	0.55	0.54	0.55	0.54	0.55														
140	0.74	0.72	0.73	0.73	0.73														
145	0.98	0.97	0.98	0.97	0.98														
150	1.30	1.28	1.30	1.29	1.30														
155	1.69	1.68	1.69	1.69	1.69														
160	2.18	2.17	2.18	2.17	2.18														
165	2.77	2.76	2.77	2.76	2.76														
170	3.42	3.42	3.43	3.41	3.41														
175	4.06	4.05	4.06	4.05	4.05														
180	4.53	4.54	4.53	4.53	4.53														

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: