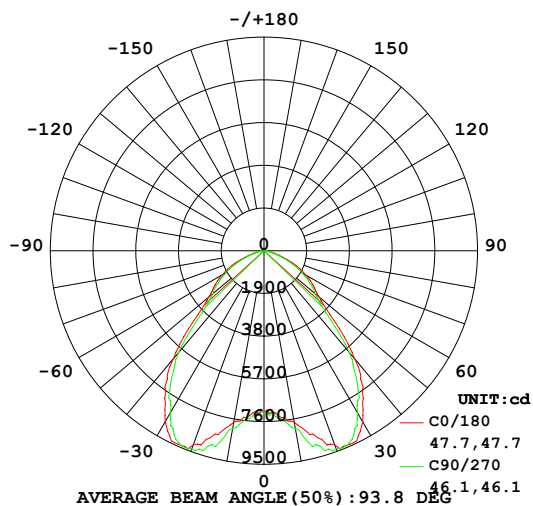


LUMINAIRE PHOTOMETRIC TEST REPORT

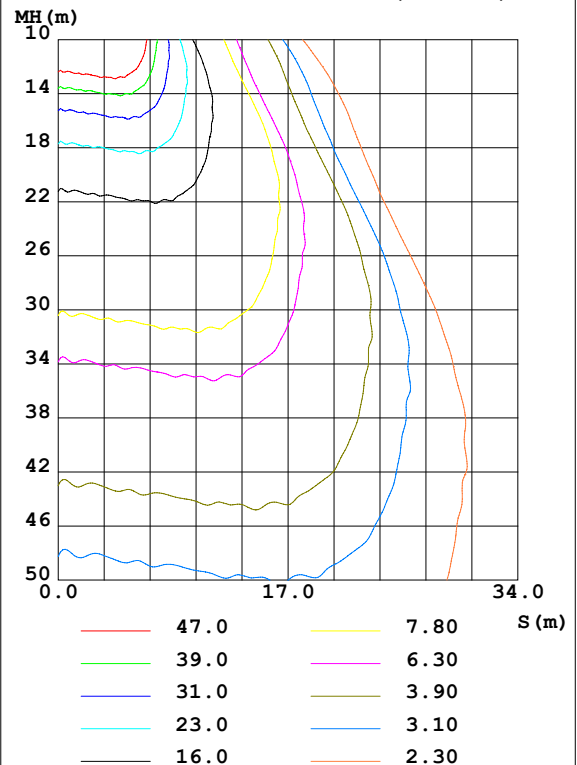
Test:U:219.9V I:0.7197A P:150.1W PF:0.9578 Freq:49.99Hz Lamp Flux:19957.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-5050-120D-PC-ALL	DIM.: ϕ 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.24M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 132.96 lm/W			
MODEL	5050	I _{max} (cd)	9633	S/MH (C0/180)	1.37
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.33
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	19958	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX (lm)	19957.9	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:2018-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [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	7737	7912	8045	7912	7737	7912	8045	7912	0- 10	719.4	719.4	3.6,3.6
20	9174	9322	9371	9322	9174	9322	9371	9322	10- 20	2476	3196	16,16
30	8788	8650	8344	8650	8788	8650	8344	8650	20- 30	4263	7459	37.4,37.4
40	6277	6244	5901	6244	6277	6244	5901	6244	30- 40	4687	12145	60.9,60.9
50	3189	3093	2976	3093	3189	3093	2976	3093	40- 50	3366	15511	77.7,77.7
60	2137	2038	1952	2038	2137	2038	1952	2038	50- 60	2299	17811	89.2,89.2
70	1005	896.2	810.4	896.2	1005	896.2	810.4	896.2	60- 70	1469	19280	96.6,96.6
80	275.1	235.8	204.9	235.8	275.1	235.8	204.9	235.8	70- 80	529.2	19809	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	148.6	19958	100,100
100	0	0	0	0	0	0	0	0	90-100	0	19958	100,100
110	0	0	0	0	0	0	0	0	100-110	0	19958	100,100
120	0	0	0	0	0	0	0	0	110-120	0	19958	100,100
130	0	0	0	0	0	0	0	0	120-130	0	19958	100,100
140	0	0	0	0	0	0	0	0	130-140	0	19958	100,100
150	0	0	0	0	0	0	0	0	140-150	0	19958	100,100
160	0	0	0	0	0	0	0	0	150-160	0	19958	100,100
170	0	0	0	0	0	0	0	0	160-170	0	19958	100,100
180	0	0	0	0	0	0	0	0	170-180	0	19958	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 14074 lm

%lum = 70.5%

%lamp = 70.5%

Conical surface Flux(120deg): 17811 lm

%lum = 89.2%

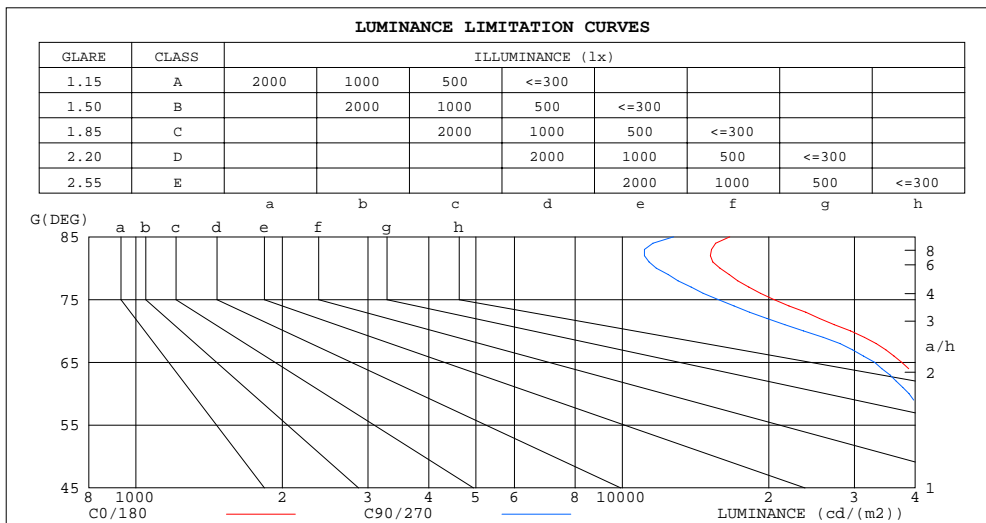
%lamp = 89.2%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:219.9V I:0.7197A P:150.1W PF:0.9578 Freq:49.99Hz Lamp Flux:19957.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-5050-120D-PC-ALL	DIM.: $\phi 0.319 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.24\text{M}$	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	16631	12749
80	15880	11742
75	20500	15748
70	29454	23581
65	37523	33003
60	42836	38853
55	46553	43054
50	49717	46082
45	62827	55001

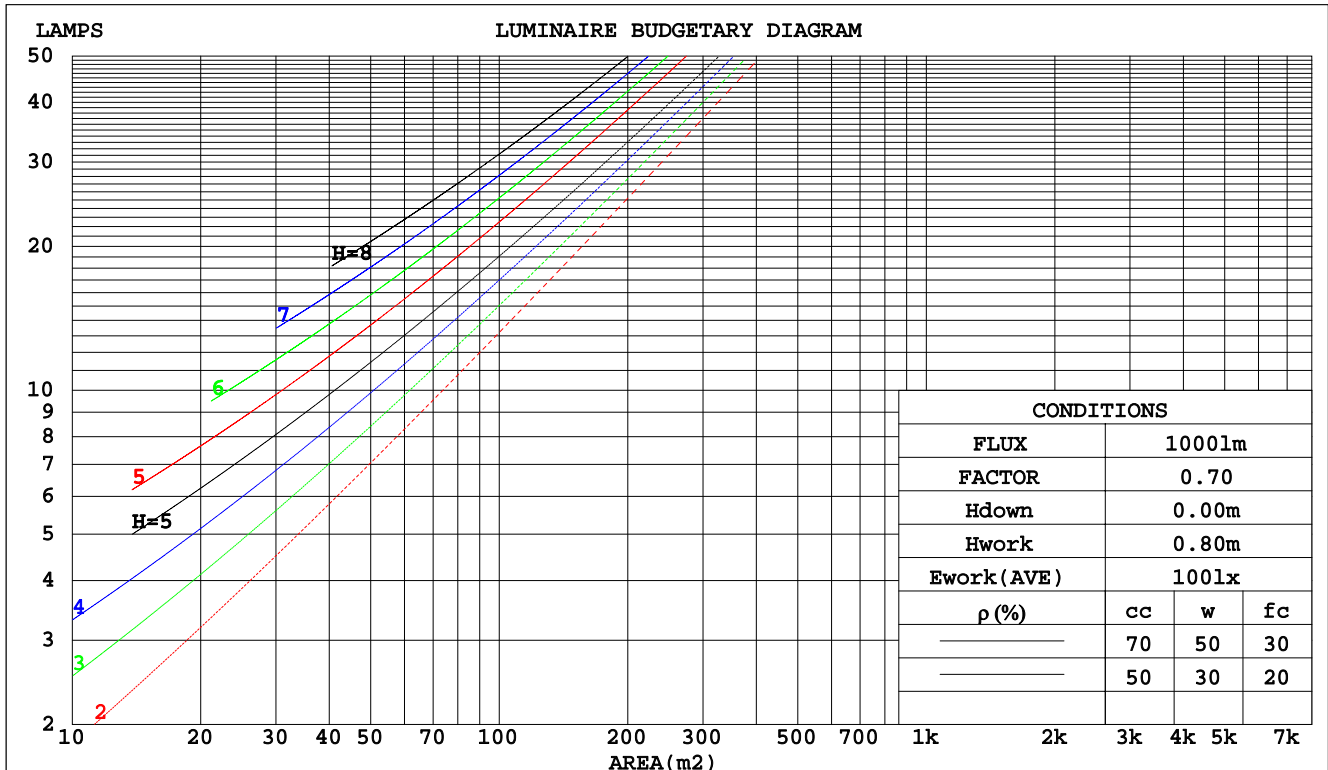
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.9V I:0.7197A P:150.1W PF:0.9578 Freq:49.99Hz Lamp Flux:19957.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-5050-120D-PC-ALL	DIM.: $\phi 0.319 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.24\text{M}$	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	1.00
1.0	1.07	1.03	1.00	1.05	1.01	.98	1.00	.98	.95	.97	.94	.92	.93	.91	.90	.88
2.0	.95	.90	.85	.93	.88	.84	.90	.86	.82	.87	.83	.80	.84	.81	.78	.76
3.0	.85	.78	.73	.84	.77	.72	.81	.75	.71	.78	.74	.70	.76	.72	.69	.67
4.0	.77	.69	.63	.76	.68	.63	.73	.67	.62	.71	.66	.61	.69	.64	.60	.58
5.0	.70	.62	.56	.68	.61	.55	.66	.60	.55	.65	.59	.54	.63	.58	.54	.52
6.0	.63	.55	.49	.62	.55	.49	.61	.54	.49	.59	.53	.48	.57	.52	.48	.46
7.0	.58	.50	.44	.57	.49	.44	.56	.49	.44	.54	.48	.43	.53	.47	.43	.41
8.0	.53	.45	.40	.52	.45	.40	.51	.44	.39	.50	.44	.39	.49	.43	.39	.37
9.0	.49	.41	.36	.48	.41	.36	.47	.41	.36	.46	.40	.36	.45	.40	.35	.34
10.0	.45	.38	.33	.45	.38	.33	.44	.37	.33	.43	.37	.33	.42	.36	.32	.31



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:219.9V I:0.7197A P:150.1W PF:0.9578 Freq:49.99Hz Lamp Flux:19957.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-5050-120D-PC-ALL	DIM.: ϕ 0.319*0.138M	SERIAL No.:1
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	.254	.145	.046	.247	.141	.045	.234	.134	.043	.222	.128	.041	.211	.122	.039		
2.0	.245	.134	.041	.239	.132	.041	.228	.127	.039	.217	.122	.038	.208	.117	.037		
3.0	.231	.123	.037	.226	.121	.036	.216	.117	.036	.207	.114	.035	.199	.110	.034		
4.0	.217	.113	.033	.213	.111	.033	.204	.108	.032	.196	.105	.032	.189	.102	.031		
5.0	.204	.104	.030	.200	.103	.030	.192	.100	.029	.185	.098	.029	.178	.095	.029		
6.0	.192	.096	.028	.188	.095	.027	.181	.093	.027	.175	.091	.027	.169	.089	.026		
7.0	.181	.089	.025	.177	.088	.025	.171	.087	.025	.165	.085	.025	.160	.083	.024		
8.0	.170	.083	.023	.167	.082	.023	.162	.081	.023	.157	.079	.023	.152	.078	.023		
9.0	.161	.078	.022	.158	.077	.022	.153	.076	.022	.149	.075	.021	.144	.073	.021		
10.0	.153	.073	.020	.150	.073	.020	.146	.071	.020	.141	.070	.020	.137	.069	.020		

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	.176	.157	.139	.151	.134	.119	.103	.092	.083	.059	.054	.048	.019	.017	.016	
2.0	.166	.132	.104	.142	.114	.090	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.157	.114	.080	.135	.098	.069	.092	.068	.049	.053	.040	.029	.017	.013	.009	
4.0	.149	.100	.063	.128	.087	.055	.088	.060	.039	.051	.035	.023	.016	.012	.008	
5.0	.142	.090	.051	.122	.077	.044	.084	.054	.031	.049	.032	.019	.016	.010	.006	
6.0	.135	.081	.042	.116	.070	.037	.080	.049	.026	.046	.029	.015	.015	.009	.005	
7.0	.129	.074	.036	.111	.064	.031	.076	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.123	.068	.031	.106	.059	.027	.073	.041	.019	.042	.024	.011	.014	.008	.004	
9.0	.117	.063	.027	.101	.055	.023	.070	.039	.017	.041	.023	.010	.013	.007	.003	
10.0	.112	.059	.024	.097	.051	.021	.067	.036	.015	.039	.021	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:219.9V I:0.7197A P:150.1W PF:0.9578 Freq:49.99Hz Lamp Flux:19957.9x1 lm										
NAME: AOK-oH					TYPE:LED			WEIGHT:4.6KG		
SPEC.:AOK-150WoH-5050-120D-PC-ALL					DIM.: ϕ 0.319*0.138M			SERIAL No.:1		
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	15.3	16.6	15.5	16.8	17.0	15.0	16.3	15.2	16.5	16.7
3H	16.0	17.3	16.3	17.5	17.7	15.6	16.9	15.9	17.1	17.3
4H	16.2	17.4	16.5	17.6	17.9	15.7	16.9	16.0	17.1	17.4
6H	16.3	17.4	16.6	17.6	17.9	15.7	16.8	16.0	17.1	17.3
8H	16.3	17.3	16.6	17.6	17.9	15.7	16.8	16.0	17.0	17.3
12H	16.3	17.3	16.6	17.6	17.9	15.7	16.7	16.0	17.0	17.3
4H 2H	15.6	16.7	15.9	17.0	17.2	15.3	16.5	15.6	16.7	17.0
3H	16.5	17.5	16.8	17.8	18.1	16.1	17.1	16.4	17.4	17.7
4H	16.7	17.6	17.1	17.9	18.2	16.2	17.1	16.6	17.4	17.8
6H	16.8	17.6	17.2	18.0	18.3	16.3	17.1	16.7	17.4	17.8
8H	16.8	17.6	17.2	18.0	18.3	16.3	17.0	16.7	17.4	17.8
12H	16.9	17.6	17.3	17.9	18.3	16.3	17.0	16.7	17.4	17.8
8H 4H	16.7	17.4	17.1	17.8	18.2	16.2	17.0	16.6	17.4	17.7
6H	16.9	17.5	17.3	17.9	18.3	16.4	17.0	16.8	17.4	17.8
8H	16.9	17.5	17.4	17.9	18.4	16.4	16.9	16.8	17.4	17.8
12H	17.0	17.5	17.5	17.9	18.4	16.4	16.9	16.9	17.3	17.8
12H 4H	16.7	17.3	17.1	17.7	18.1	16.2	16.9	16.6	17.3	17.7
6H	16.9	17.4	17.3	17.8	18.3	16.3	16.9	16.8	17.3	17.8
8H	16.9	17.4	17.4	17.9	18.3	16.4	16.9	16.9	17.3	17.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.7					+ 0.6 / - 0.8				
1.5H	+ 0.8 / - 0.6					+ 0.9 / - 0.7				
2.0H	+ 0.7 / - 0.7					+ 0.5 / - 0.6				

CIE Pub.117, 19958 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 10.4$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:219.9V I:0.7197A P:150.1W PF:0.9578 Freq:49.99Hz Lamp Flux:19957.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-5050-120D-PC-ALL	DIM.: $\phi 0.319 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.24M$	Shielding Angle:

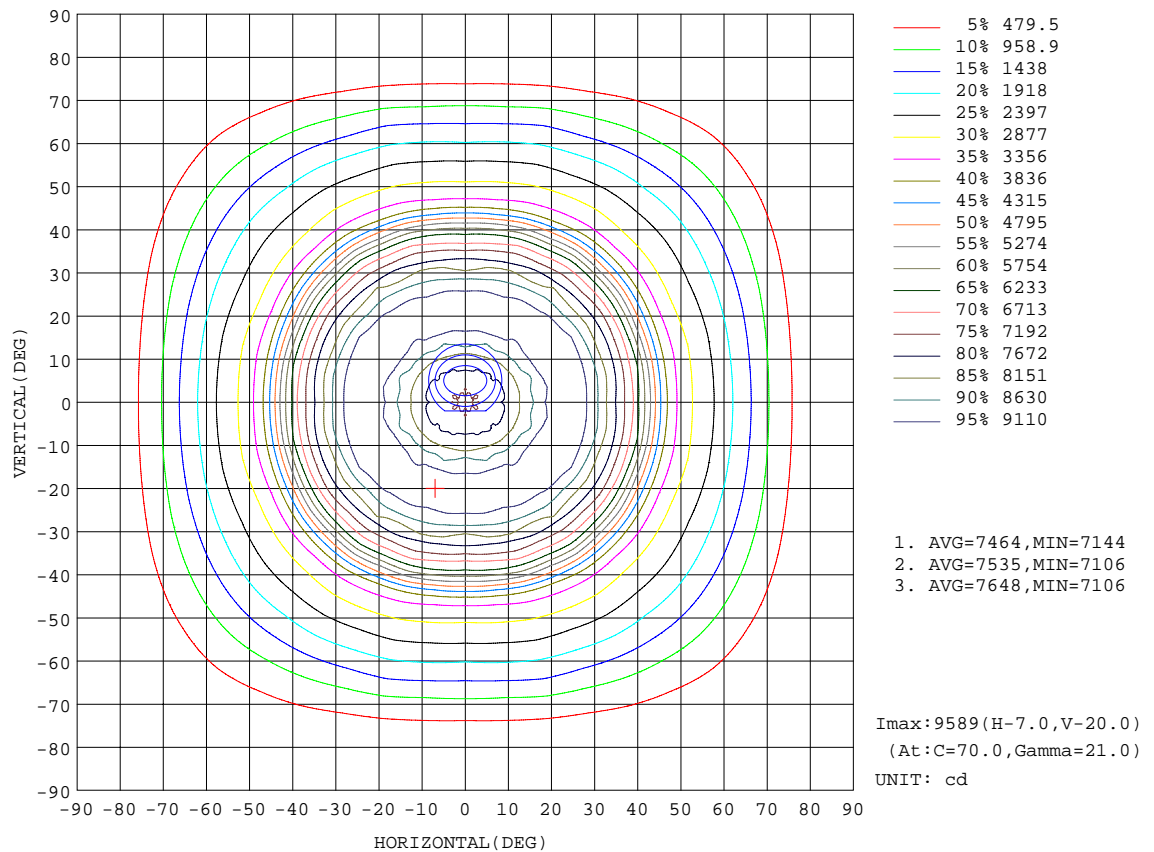
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	67	57	51	66	57	51	65	56	51	45
0.80	77	67	61	76	67	61	74	66	60	55
1.00	84	75	69	83	75	69	81	76	68	62
1.25	91	82	76	89	82	76	87	80	75	69
1.50	95	87	81	93	86	81	91	85	80	74
2.00	100	94	89	99	93	88	96	90	86	80
2.50	103	97	93	102	96	92	98	93	90	82
3.00	106	101	96	104	99	95	100	96	93	86
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	106	103	105	102	100	91
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:2018-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:219.9V I:0.7197A P:150.1W PF:0.9578 Freq:49.99Hz Lamp Flux:19957.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150Woh-5050-120D-PC-ALL	DIM.: $\phi 0.319 \times 0.138\text{M}$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.24\text{M}$	Shielding Angle:



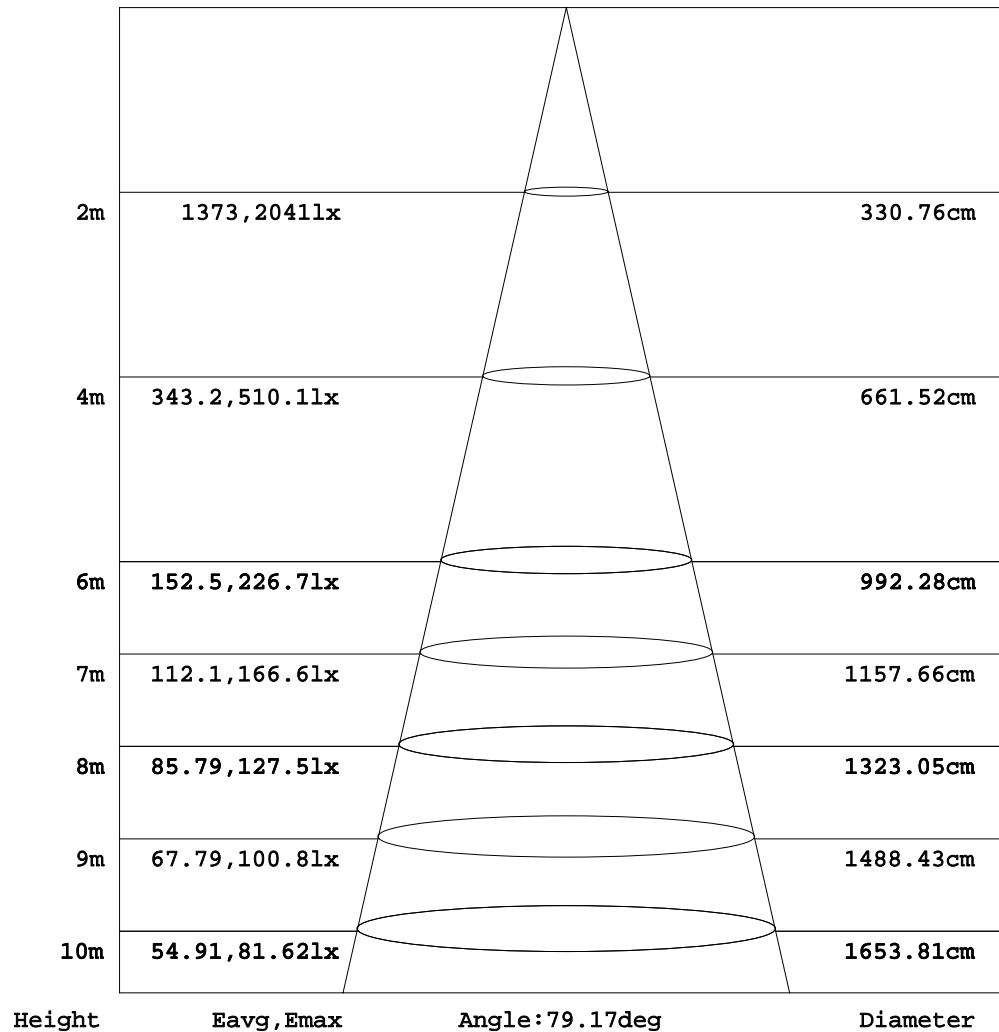
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

AAI Figure

Test:U:219.9V I:0.7197A P:150.1W PF:0.9578 Freq:49.99Hz Lamp Flux:19957.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-5050-120D-PC-ALL	DIM.: $\phi 0.319 \times 0.138M$	SERIAL No.:1
MFR.: AOK	SUR.: $\phi 0.24M$	Shielding Angle:

Flux out:12145 lm



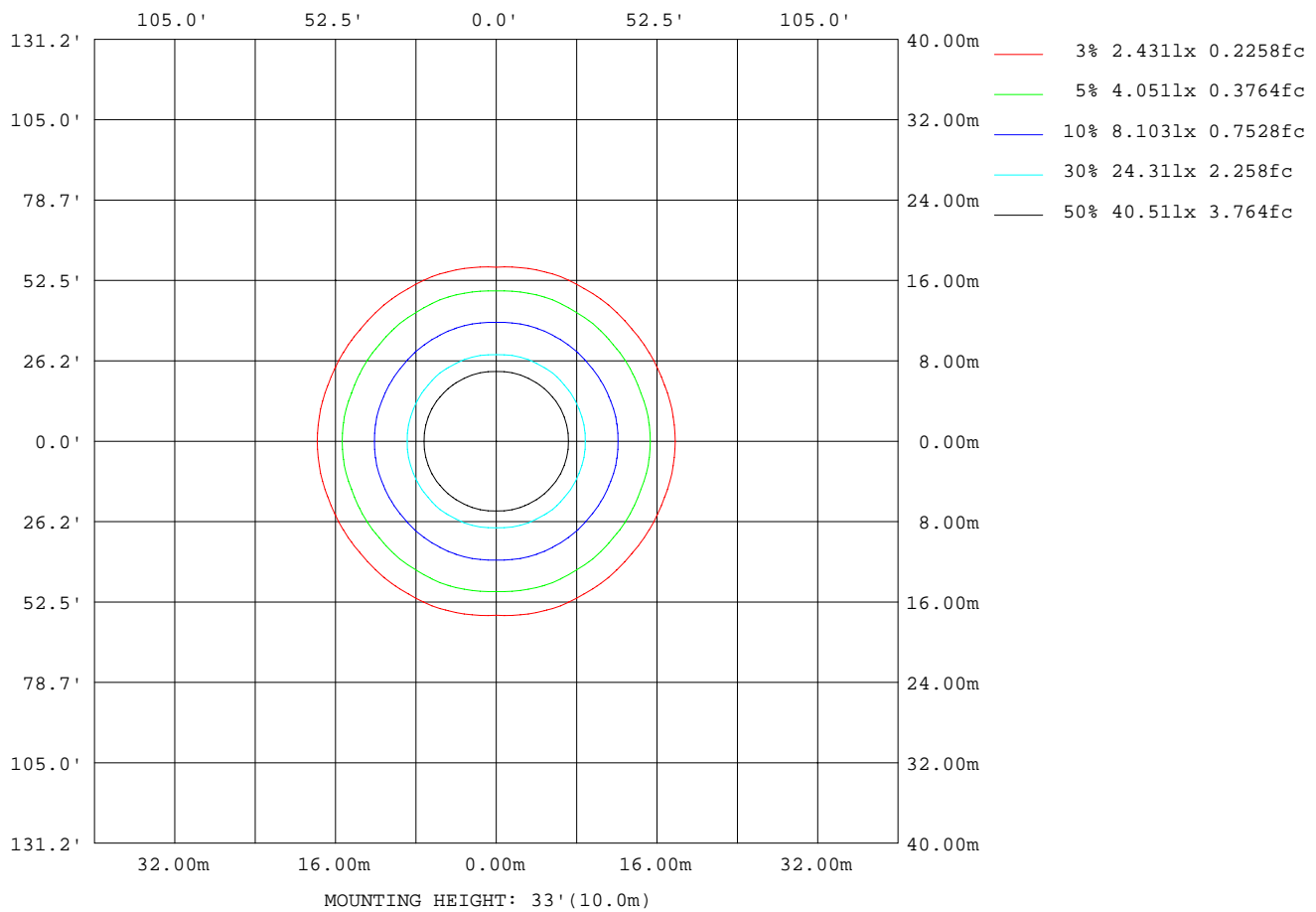
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:219.9V I:0.7197A P:150.1W PF:0.9578 Freq:49.99Hz Lamp Flux:19957.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-5050-120D-PC-ALL	DIM.: Φ 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: Φ 0.24M	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:219.9V I:0.7197A P:150.1W PF:0.9578 Freq:49.99Hz Lamp Flux:19957.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-5050-120D-PC-ALL	DIM.: ϕ 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.24M	Shielding Angle:

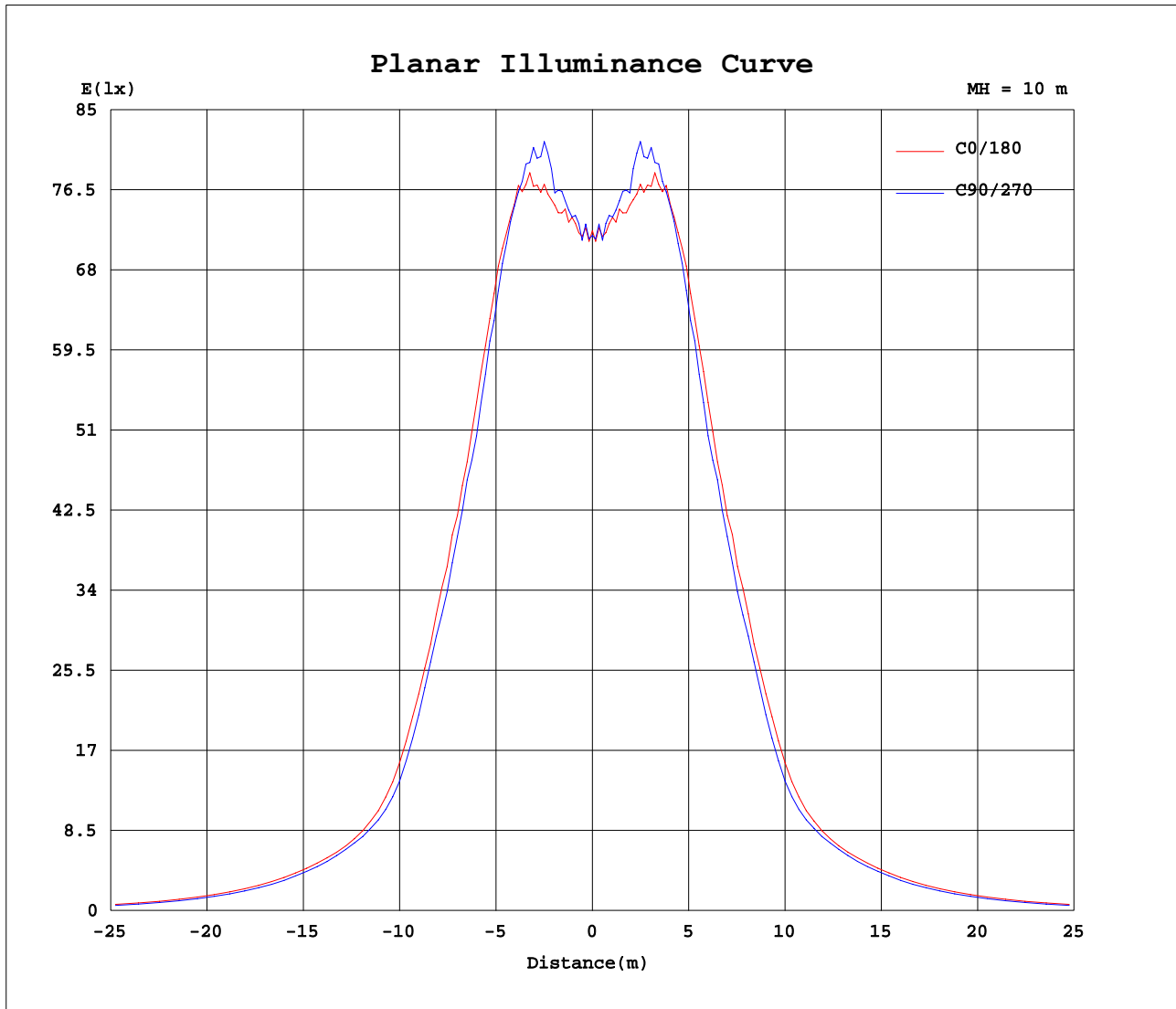
AvgL	cd/m2
L_0~180 (65) av	37439
L_0~180 (75) av	20454
L_0~180 (85) av	16593
L_90~270 (65) av	33163
L_90~270 (75) av	15825
L_90~270 (85) av	12811
L_45 (65) av	34788
L_45 (75) av	17784
L_45 (85) av	14180

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.633m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.9V I:0.7197A P:150.1W PF:0.9578 Freq:49.99Hz Lamp Flux:19957.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-5050-120D-PC-ALL	DIM.: ϕ 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.24M	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	7201	7201	7201	7201	7201	7201	7201	7201	7201	7201	7201	7201	7201	7201	7201	7201	7201	7201	7201
5	7361	7280	7425	7192	7354	7326	7443	7425	7443	7500	7443	7425	7443	7326	7354	7192	7425	7280	7361
10	7737	7721	7750	7753	7891	7933	7990	7980	7990	8045	7990	7980	7990	7933	7891	7753	7750	7721	7737
15	8441	8525	8400	8666	8618	8739	8876	8706	8801	8922	8801	8706	8876	8739	8618	8666	8400	8525	8441
20	9174	9108	9134	9195	9305	9338	9424	9440	9307	9371	9307	9440	9424	9338	9305	9195	9134	9108	9174
25	9422	9433	9331	9443	9406	9491	9241	9485	9278	9272	9278	9485	9241	9491	9406	9443	9331	9433	9422
30	8788	8757	8838	8789	8610	8690	8518	8442	8434	8344	8434	8442	8518	8690	8610	8789	8838	8757	8788
35	7612	7740	7750	7694	7572	7520	7360	7430	7375	7258	7375	7430	7360	7520	7572	7694	7750	7740	7612
40	6277	6389	6280	6302	6209	6278	6064	6062	5962	5901	5962	6062	6064	6278	6209	6302	6280	6389	6277
45	4433	4445	4353	4345	4248	4239	4106	4112	3938	3908	3938	4112	4106	4239	4248	4345	4353	4445	4433
50	3189	3226	3154	3134	3077	3110	3051	3081	3008	2976	3008	3081	3051	3110	3077	3134	3154	3226	3189
55	2664	2648	2594	2589	2539	2604	2569	2596	2527	2481	2527	2596	2569	2604	2539	2589	2594	2648	2664
60	2137	2125	2065	2050	2020	2055	2031	2058	2001	1952	2001	2058	2031	2055	2020	2050	2065	2125	2137
65	1582	1568	1526	1504	1470	1472	1447	1503	1428	1402	1428	1503	1447	1472	1470	1504	1526	1568	1582
70	1005	1015	975	949	901	891	864	879	812	810	812	879	864	891	901	949	975	1015	1005
75	529	534	499	493	462	459	433	435	417	410	417	435	433	459	462	493	499	534	529
80	275	275	258	258	235	236	219	219	206	205	206	219	219	236	235	258	258	275	275
85	145	143	138	135	125	123	119	115	115	112	115	115	119	123	125	135	138	143	145
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:2018-01-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.9V I:0.7197A P:150.1W PF:0.9578 Freq:49.99Hz Lamp Flux:19957.9x1 lm		
NAME: AOK-oH	TYPE:LED	WEIGHT:4.6KG
SPEC.:AOK-150WoH-5050-120D-PC-ALL	DIM.: ϕ 0.319*0.138M	SERIAL No.:1
MFR.: AOK	SUR.: ϕ 0.24M	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	7201	7201	7201	7201	7201	7201	7201	7201	7201	7201	7201	7201	7201	7201	7201	7201	7201		
5	7280	7425	7192	7354	7326	7443	7425	7443	7500	7443	7425	7443	7326	7354	7192	7425	7280		
10	7721	7750	7753	7891	7933	7990	7980	7990	8045	7990	7980	7990	7933	7891	7753	7750	7721		
15	8525	8400	8666	8618	8739	8876	8706	8801	8922	8801	8706	8876	8739	8618	8666	8400	8525		
20	9108	9134	9195	9305	9338	9424	9440	9307	9371	9307	9440	9424	9338	9305	9195	9134	9108		
25	9433	9331	9443	9406	9491	9241	9485	9278	9272	9278	9485	9241	9491	9406	9443	9331	9433		
30	8757	8838	8789	8610	8690	8518	8442	8434	8344	8434	8442	8518	8690	8610	8789	8838	8757		
35	7740	7750	7694	7572	7520	7360	7430	7375	7258	7375	7430	7360	7520	7572	7694	7750	7740		
40	6389	6280	6302	6209	6278	6064	6062	5962	5901	5962	6062	6064	6278	6209	6302	6280	6389		
45	4445	4353	4345	4248	4239	4106	4112	3938	3908	3938	4112	4106	4239	4248	4345	4353	4445		
50	3226	3154	3134	3077	3110	3051	3081	3008	2976	3008	3081	3051	3110	3077	3134	3154	3226		
55	2648	2594	2589	2539	2604	2569	2596	2527	2481	2527	2596	2569	2604	2539	2589	2594	2648		
60	2125	2065	2050	2020	2055	2031	2058	2001	1952	2001	2058	2031	2055	2020	2050	2065	2125		
65	1568	1526	1504	1470	1472	1447	1503	1428	1402	1428	1503	1447	1472	1470	1504	1526	1568		
70	1015	975	949	901	891	864	879	812	810	812	879	864	891	901	949	975	1015		
75	534	499	493	462	459	433	435	417	410	417	435	433	459	462	493	499	534		
80	275	258	258	235	236	219	219	206	205	206	219	219	236	235	258	258	275		
85	143	138	135	125	123	119	115	115	112	115	115	119	123	125	135	138	143		
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:2018-01-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks: