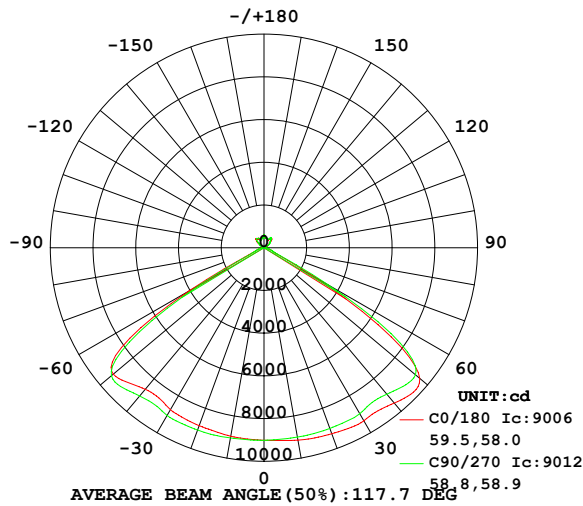


LUMINAIRE PHOTOMETRIC TEST REPORT

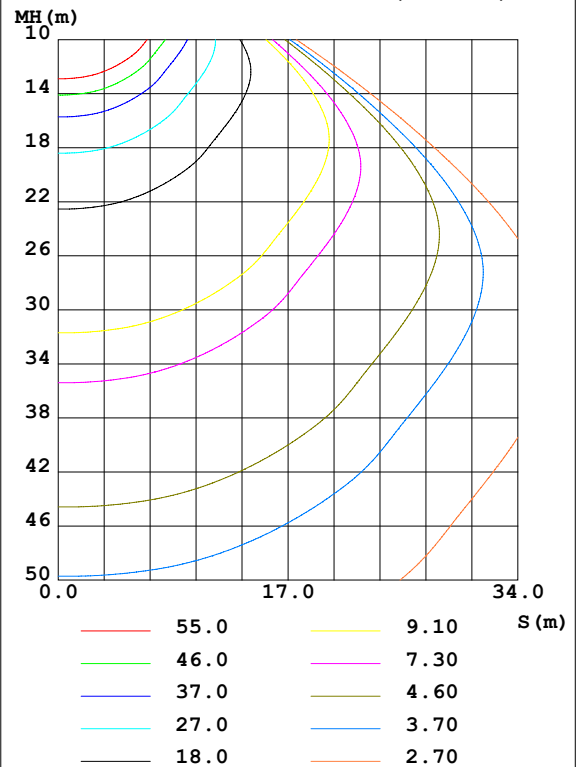
Test:U:220.2V I:0.9384A P:200.0W PF:0.9713 Freq:49.80Hz Lamp Flux:29442.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-3030-120D	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 147.21 lm/W			
MODEL	3030	I _{max} (cd)	9733	S/MH (C0/180)	1.46
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.53
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	29443	η UP, DN (C0-180)	2.2, 47.7
NOMINAL FLUX (lm)	29442.8	CIE CLASS	DIRECT	η UP, DN (C180-360)	2.1, 47.9
LAMPS INSIDE	1	η up (%)	4.3	CIBSE SHR NOM	1.75
TEST VOLTAGE (V)	220	η down (%)	95.7	CIBSE SHR MAX	1.75

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:2018-03-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [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	9146	9097	9002	8941	8961	8994	9042	9105	0- 10	861.2	861.2	2.93,2.93
20	9267	9206	9001	8848	8865	8972	9084	9187	10- 20	2565	3426	11.6,11.6
30	9353	9282	8972	8742	8756	8924	9068	9231	20- 30	4191	7617	25.9,25.9
40	9492	9313	8948	8634	8650	8799	9060	9281	30- 40	5634	13251	45,45
50	9517	9419	9259	9027	9208	9229	9324	9329	40- 50	7134	20385	69.2,69.2
60	2598	2756	3467	3940	4043	3756	3395	2996	50- 60	6420	26805	91,91
70	385.1	380.8	388.2	402.6	408.2	406.1	394.9	389.1	60- 70	1036	27841	94.6,94.6
80	122.6	125.9	141.2	149.9	152.7	144.8	137.0	124.7	70- 80	279.2	28120	95.5,95.5
90	8.609	4.832	8.671	3.623	6.936	3.516	6.095	3.092	80- 90	43.49	28164	95.7,95.7
100	33.03	24.13	32.44	17.08	24.75	16.63	23.49	15.54	90-100	12.83	28177	95.7,95.7
110	78.25	61.01	78.09	47.13	99.39	47.01	71.92	42.60	100-110	42.60	28219	95.8,95.8
120	187.3	100.9	209.6	79.58	96.87	79.37	184.0	80.26	110-120	81.77	28301	96.1,96.1
130	356.3	261.2	365.0	239.6	416.0	192.8	350.5	196.6	120-130	178.6	28480	96.7,96.7
140	567.4	351.7	509.2	380.5	559.7	415.5	560.1	397.3	130-140	298.8	28778	97.7,97.7
150	427.7	478.7	453.5	461.8	515.6	423.6	507.8	311.8	140-150	302.0	29080	98.8,98.8
160	452.5	450.4	454.1	451.8	455.5	438.4	395.3	418.5	150-160	200.4	29281	99.4,99.4
170	468.6	333.3	472.0	324.9	474.1	389.6	459.6	376.6	160-170	118.2	29399	99.9,99.9
180	601.7	466.9	599.0	452.7	603.8	467.0	598.3	452.6	170-180	43.74	29443	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 16627 lm

%lum = 56.5%

%lamp = 56.5%

Conical surface Flux(120deg): 26805 lm

%lum = 91.0%

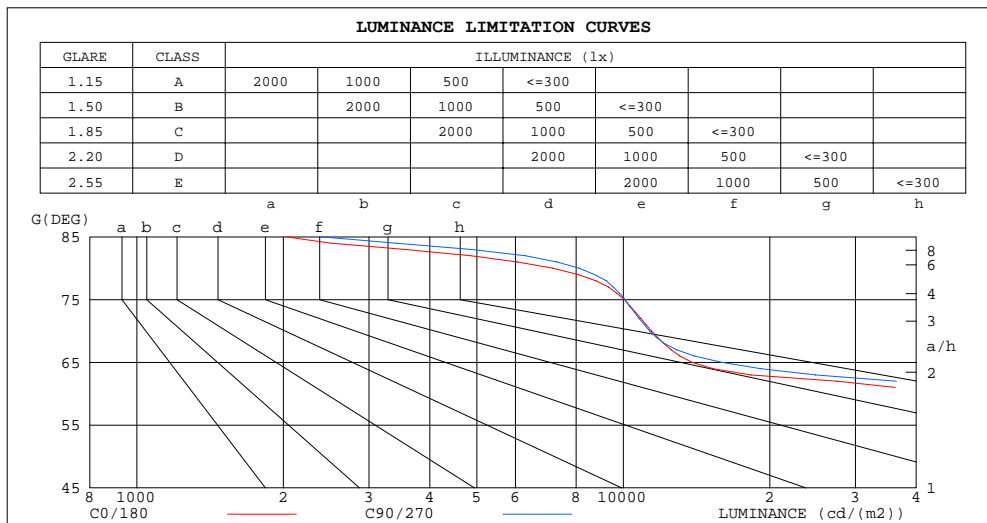
%lamp = 91.0%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-03-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.633m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.2V I:0.9384A P:200.0W PF:0.9713 Freq:49.80Hz Lamp Flux:29442.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200Woh-3030-120D	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



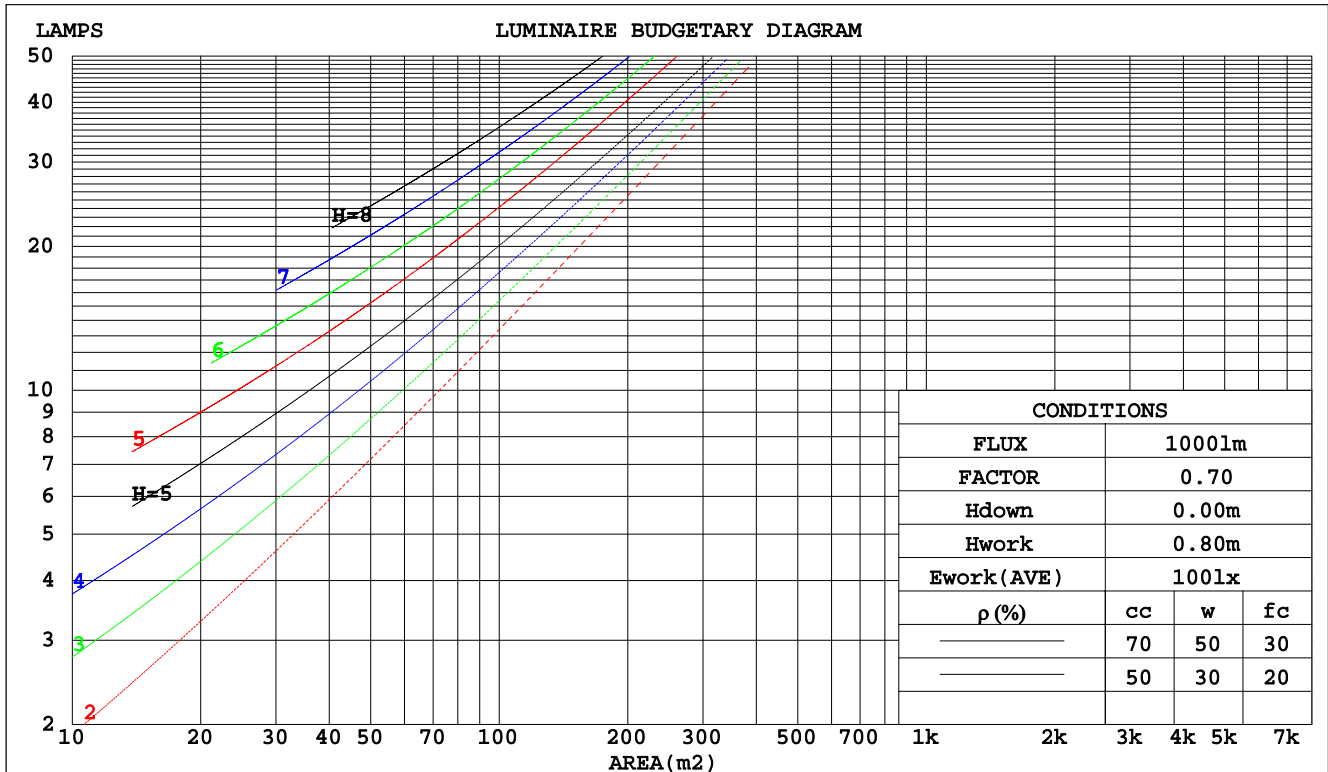
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-03-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.2V I:0.9384A P:200.0W PF:0.9713 Freq:49.80Hz Lamp Flux:29442.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-3030-120D	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	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	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.03	1.03	1.03	.98	.98	.98	.96
1.0	1.06	1.02	.99	1.03	1.00	.97	.98	.96	.93	.94	.92	.90	.89	.88	.86	.84
2.0	.94	.88	.83	.92	.86	.82	.87	.83	.79	.84	.80	.77	.80	.77	.75	.72
3.0	.83	.76	.70	.81	.75	.69	.78	.72	.67	.75	.70	.66	.72	.68	.64	.62
4.0	.74	.66	.60	.72	.65	.59	.69	.63	.58	.67	.61	.57	.64	.59	.55	.53
5.0	.66	.57	.51	.65	.57	.51	.62	.55	.50	.60	.54	.49	.57	.52	.48	.46
6.0	.59	.51	.44	.58	.50	.44	.56	.49	.43	.54	.47	.43	.52	.46	.42	.40
7.0	.53	.45	.39	.52	.44	.39	.50	.43	.38	.49	.42	.37	.47	.41	.37	.35
8.0	.48	.40	.34	.47	.40	.34	.46	.39	.34	.44	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.31	.43	.36	.30	.42	.35	.30	.40	.34	.30	.39	.33	.29	.27
10.0	.40	.33	.27	.40	.32	.27	.38	.32	.27	.37	.31	.27	.36	.30	.26	.25



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-03-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.633m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:220.2V I:0.9384A P:200.0W PF:0.9713 Freq:49.80Hz Lamp Flux:29442.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-3030-120D	DIM.: ϕ 0.4*0.141M	SERIAL No.:
MFR.: AOK	SUR.: ϕ 0.29M	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	.252	.143	.045	.244	.139	.044	.228	.131	.042	.214	.124	.040	.201	.117	.038	
2.0	.249	.137	.042	.242	.133	.041	.228	.127	.039	.216	.121	.038	.204	.115	.036	
3.0	.239	.127	.038	.233	.125	.038	.221	.120	.036	.209	.115	.035	.199	.110	.034	
4.0	.227	.118	.035	.221	.116	.034	.210	.112	.033	.200	.108	.032	.191	.104	.032	
5.0	.214	.109	.032	.209	.107	.031	.199	.104	.031	.190	.100	.030	.182	.097	.029	
6.0	.202	.101	.029	.197	.100	.029	.188	.097	.028	.180	.094	.028	.173	.091	.027	
7.0	.190	.094	.027	.186	.093	.026	.178	.090	.026	.171	.087	.025	.164	.085	.025	
8.0	.179	.088	.025	.175	.086	.024	.168	.084	.024	.161	.082	.024	.155	.080	.023	
9.0	.169	.082	.023	.166	.081	.023	.159	.079	.022	.153	.077	.022	.147	.075	.022	
10.0	.160	.077	.021	.157	.076	.021	.151	.074	.021	.145	.072	.020	.140	.070	.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	.224	.224	.224	.191	.191	.191	.130	.130	.130	.075	.075	.075	.024	.024	.024	
1.0	.210	.190	.172	.179	.163	.148	.123	.112	.103	.071	.065	.060	.023	.021	.019	
2.0	.200	.166	.137	.171	.143	.118	.117	.099	.082	.068	.057	.048	.022	.019	.016	
3.0	.192	.148	.112	.165	.128	.097	.113	.089	.068	.065	.052	.040	.021	.017	.013	
4.0	.185	.134	.096	.159	.116	.083	.109	.081	.058	.063	.047	.035	.020	.015	.011	
5.0	.179	.124	.084	.153	.107	.073	.106	.075	.051	.061	.044	.030	.020	.014	.010	
6.0	.172	.116	.075	.148	.100	.065	.102	.070	.046	.059	.041	.027	.019	.013	.009	
7.0	.166	.109	.069	.143	.094	.060	.099	.066	.042	.057	.039	.025	.019	.013	.008	
8.0	.161	.103	.064	.138	.090	.056	.096	.063	.039	.056	.037	.024	.018	.012	.008	
9.0	.155	.098	.060	.134	.085	.052	.093	.060	.037	.054	.035	.022	.017	.012	.007	
10.0	.150	.094	.057	.129	.082	.050	.090	.058	.035	.052	.034	.021	.017	.011	.007	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-03-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.2V I:0.9384A P:200.0W PF:0.9713 Freq:49.80Hz Lamp Flux:29442.8x1 lm											
NAME: AOK oH					TYPE:LED			WEIGHT:6.0KG			
SPEC.:AOK-200WoH-3030-120D					DIM.: $\phi 0.4 \times 0.141M$			SERIAL No.:			
MFR.: AOK					SUR.: $\phi 0.29M$			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	17.5	18.9	17.8	19.1	19.4	17.6	19.0	17.9	19.2	19.5	
	3H	17.3	18.5	17.6	18.8	19.2	17.4	18.7	17.8	19.0	
	4H	17.2	18.4	17.6	18.7	19.0	17.3	18.5	17.7	18.8	
	6H	17.1	18.2	17.5	18.5	18.9	17.2	18.3	17.6	18.7	
	8H	17.1	18.1	17.4	18.5	18.8	17.2	18.2	17.6	18.6	
	12H	17.0	18.0	17.4	18.4	18.8	17.1	18.1	17.5	18.5	
4H	2H	17.4	18.6	17.8	18.9	19.2	17.5	18.7	17.9	19.0	
	3H	17.2	18.2	17.6	18.6	19.0	17.3	18.3	17.7	18.7	
	4H	17.2	18.1	17.6	18.5	18.9	17.2	18.2	17.7	18.5	
	6H	17.1	17.9	17.5	18.3	18.7	17.2	18.0	17.6	18.4	
	8H	17.0	17.8	17.5	18.2	18.7	17.1	17.9	17.6	18.3	
	12H	17.0	17.6	17.5	18.1	18.6	17.1	17.7	17.6	18.2	
8H	4H	17.0	17.7	17.5	18.2	18.7	17.1	17.8	17.6	18.3	
	6H	17.0	17.5	17.5	18.0	18.5	17.0	17.6	17.6	18.1	
	8H	16.9	17.4	17.4	17.9	18.5	17.0	17.5	17.5	18.0	
	12H	16.9	17.3	17.4	17.8	18.4	17.0	17.4	17.5	17.9	
12H	4H	17.0	17.6	17.5	18.1	18.6	17.1	17.7	17.6	18.2	
	6H	16.9	17.4	17.4	17.9	18.5	17.0	17.5	17.5	18.0	
	8H	16.9	17.3	17.4	17.8	18.4	17.0	17.4	17.5	17.9	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.5					+ 0.4 / - 0.5					
1.5H	+ 1.1 / - 3.0					+ 1.2 / - 3.4					
2.0H	+ 2.8 / -10.4					+ 2.5 / -10.3					

CIE Pub.117, 29443 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 11.8$)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-03-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.2V I:0.9384A P:200.0W PF:0.9713 Freq:49.80Hz Lamp Flux:29442.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-3030-120D	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

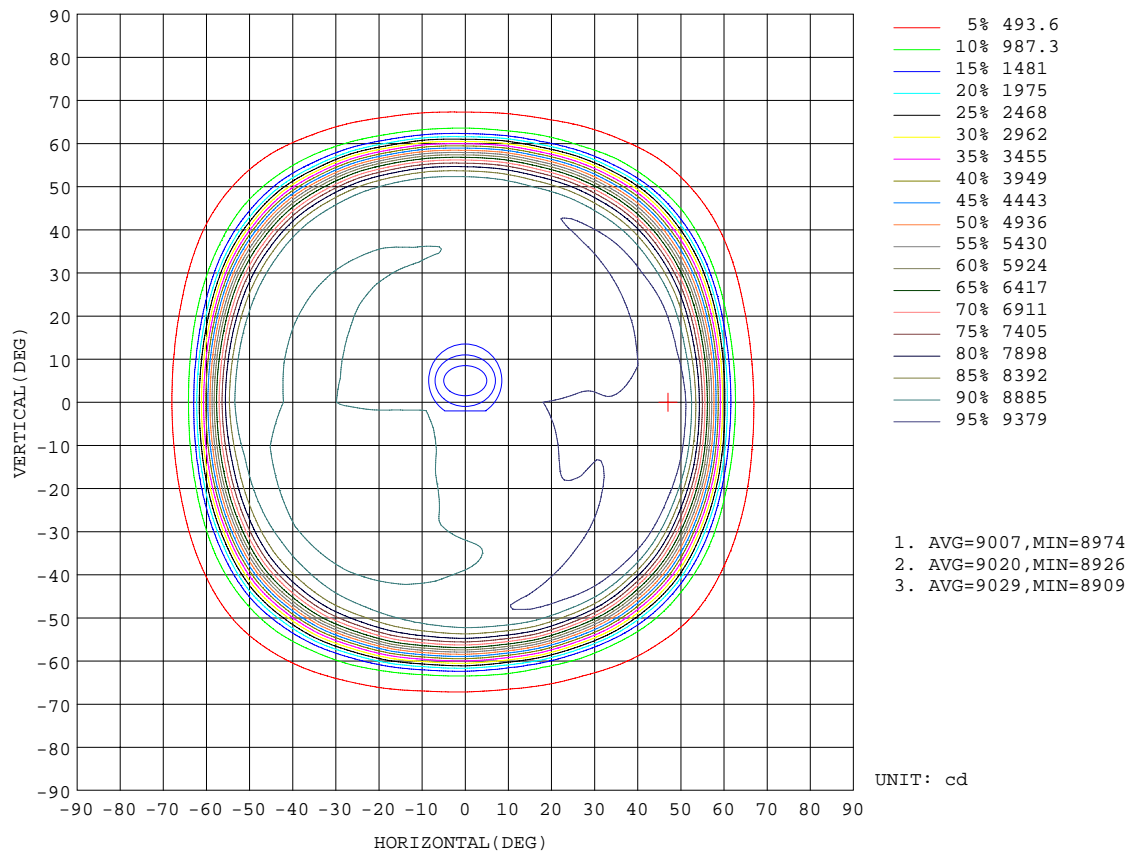
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	55	44	37	54	43	36	53	43	36	29
0.80	67	56	49	66	56	49	64	54	48	41
1.00	78	68	61	77	67	60	74	68	59	52
1.25	86	76	70	84	75	69	81	74	68	61
1.50	91	82	76	89	81	75	86	79	74	66
2.00	98	90	85	96	89	84	92	86	82	74
2.50	101	94	89	99	93	88	94	89	85	77
3.00	104	98	93	101	96	92	97	93	89	80
4.00	107	102	98	104	100	96	99	96	93	83
5.00	109	104	101	106	102	99	101	98	95	85
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:2018-03-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.2V I:0.9384A P:200.0W PF:0.9713 Freq:49.80Hz Lamp Flux:29442.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-3030-120D	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:



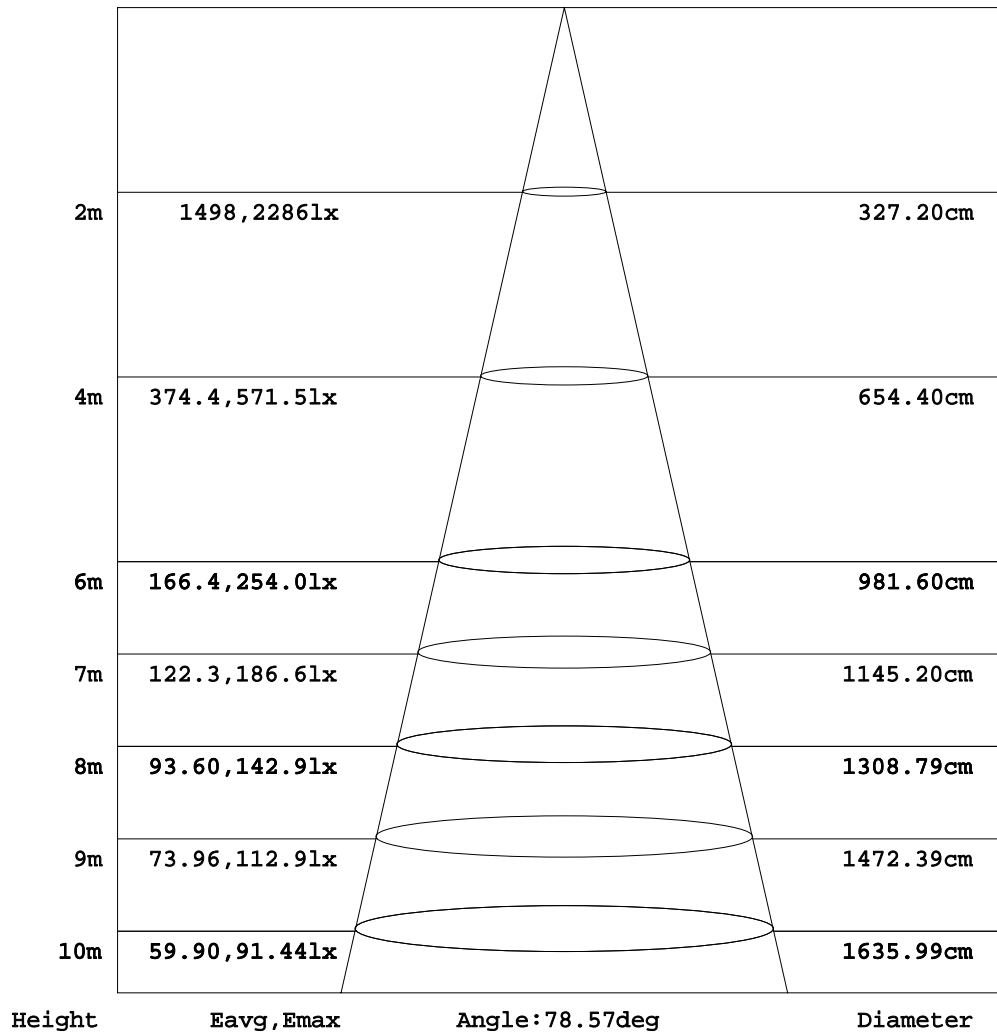
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-03-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.2V I:0.9384A P:200.0W PF:0.9713 Freq:49.80Hz Lamp Flux:29442.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-3030-120D	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

Flux out:13251 lm



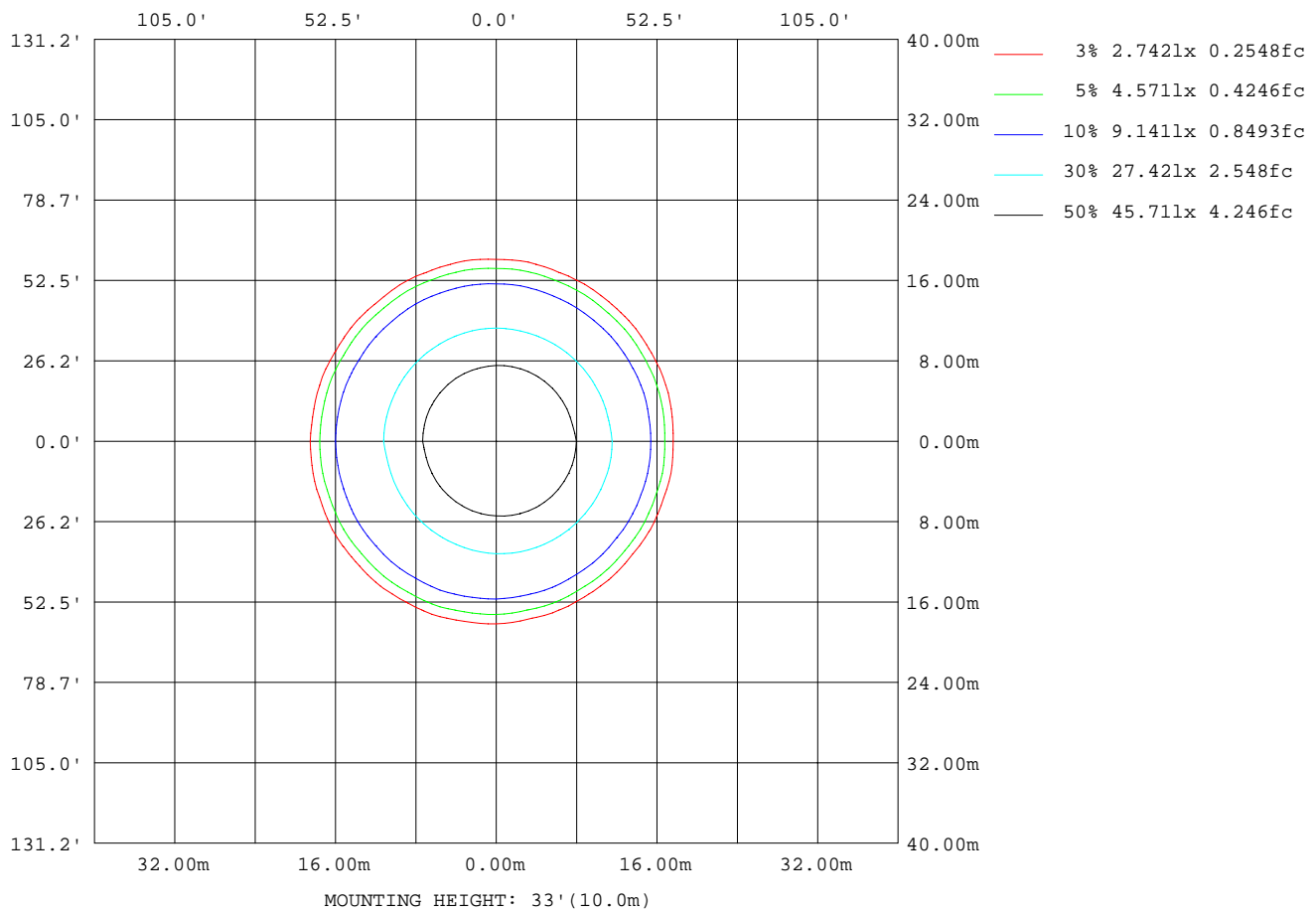
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-03-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.633m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:220.2V I:0.9384A P:200.0W PF:0.9713 Freq:49.80Hz Lamp Flux:29442.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-3030-120D	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:2018-03-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.2V I:0.9384A P:200.0W PF:0.9713 Freq:49.80Hz Lamp Flux:29442.8x1 lm		
NAME: AOK oH	TYPE:LED	WEIGHT:6.0KG
SPEC.:AOK-200WoH-3030-120D	DIM.: $\phi 0.4 \times 0.141M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.29M$	Shielding Angle:

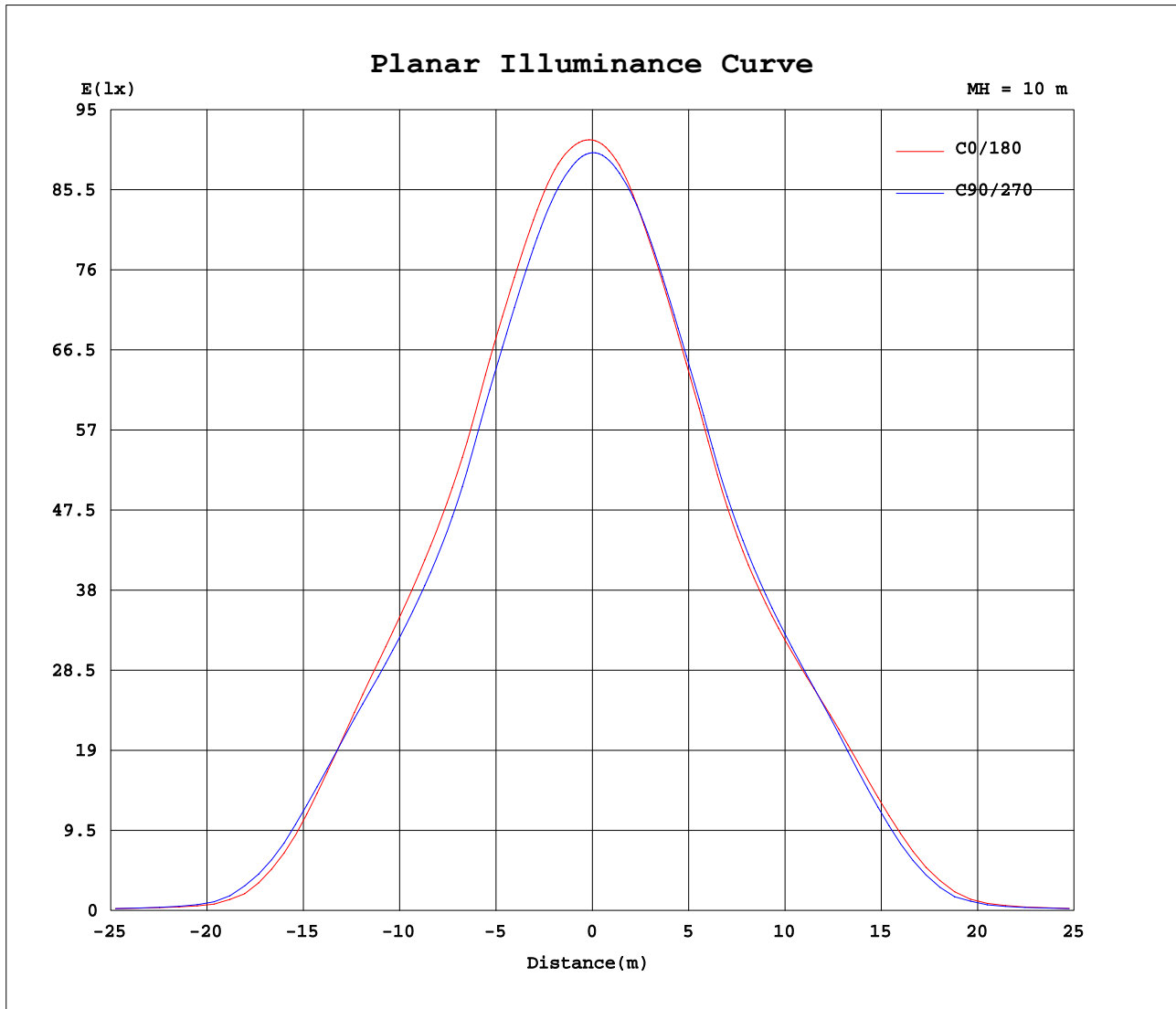
AvgL	cd/m2
L_0~180 (65) av	15987
L_0~180 (75) av	10276
L_0~180 (85) av	2460
L_90~270 (65) av	15873
L_90~270 (75) av	10140
L_90~270 (85) av	2352
L_45 (65) av	15835
L_45 (75) av	10256
L_45 (85) av	2163

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-03-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-03-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.633m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.2V I:0.9384A P:200.0W PF:0.9713 Freq:49.80Hz Lamp Flux:29442.8x1 lm																		
NAME: AOK oH									TYPE:LED					WEIGHT:6.0KG				
SPEC.:AOK-200WoH-3030-120D									DIM.: ϕ 0.4*0.141M					SERIAL No.:				
MFR.: AOK									SUR.: ϕ 0.29M					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	9012	9012	9012	9012	9012	9012	9012	9012	9012	9012	9012	9012	9012	9012	9012	9012	9012	9012	9012
5	9060	9059	9054	9049	9043	9034	9025	9015	9009	8999	8993	8986	8984	8981	8978	8979	8981	8984	8987
10	9146	9143	9134	9121	9106	9087	9067	9044	9025	9002	8982	8964	8950	8943	8939	8940	8944	8951	8961
15	9214	9213	9205	9192	9171	9145	9111	9075	9040	9007	8977	8948	8922	8903	8889	8883	8881	8889	8899
20	9267	9269	9262	9250	9223	9189	9146	9097	9047	9001	8956	8920	8887	8858	8837	8831	8836	8849	8865
25	9334	9337	9328	9313	9281	9237	9186	9122	9056	8999	8940	8890	8846	8808	8783	8779	8781	8797	8820
30	9353	9357	9350	9343	9305	9259	9187	9110	9034	8972	8905	8851	8802	8759	8724	8707	8702	8722	8756
35	9315	9329	9306	9286	9249	9196	9122	9032	8925	8837	8784	8732	8663	8619	8586	8564	8551	8552	8584
40	9492	9457	9424	9394	9341	9286	9209	9111	9036	8948	8854	8769	8708	8650	8619	8600	8608	8619	8650
45	9706	9673	9618	9582	9531	9472	9399	9315	9268	9188	9063	8968	8913	8860	8835	8815	8842	8880	8944
50	9517	9552	9462	9458	9420	9418	9365	9368	9313	9259	9175	9084	9051	9032	9022	9022	9083	9125	9208
55	7275	7383	7267	7362	7341	7523	7543	7712	7680	7799	7799	7905	7895	7997	7982	8063	8030	8079	8139
60	2598	2710	2563	2722	2646	2865	2904	3179	3209	3467	3520	3803	3787	3967	3914	4091	3993	4095	4043
65	577	576	567	574	570	584	588	620	633	674	691	742	750	780	777	805	773	785	775
70	385	390	386	388	381	381	377	383	382	388	391	400	399	402	403	406	399	401	408
75	256	260	259	263	257	259	256	258	256	262	263	270	269	272	271	274	267	270	275
80	123	124	121	125	124	128	128	135	136	141	141	146	147	151	149	151	149	151	153
85	17.4	17.2	16.0	15.8	15.4	16.4	17.0	18.8	19.9	20.9	20.5	22.2	21.2	22.9	21.9	23.7	23.3	25.5	25.5
90	8.61	7.72	6.71	5.34	4.71	4.95	6.58	7.52	9.49	8.67	6.56	5.04	3.94	3.55	3.69	4.74	5.86	7.25	6.94
95	16.4	15.8	14.6	13.3	12.2	12.1	14.3	12.3	14.9	13.7	11.6	10.5	7.99	5.59	6.91	9.49	10.4	13.3	12.9
100	33.0	32.5	28.6	25.4	24.8	23.5	26.1	24.4	34.0	32.4	26.1	23.7	19.4	16.7	17.5	23.0	22.6	25.9	24.8
105	70.7	46.0	41.9	38.3	37.2	36.6	38.9	43.7	68.3	68.3	45.7	35.3	30.0	29.4	27.7	32.3	39.8	61.7	60.9
110	78.3	51.3	66.6	64.2	61.9	60.1	61.2	69.3	76.1	78.1	53.6	56.7	50.5	46.5	47.8	50.3	46.3	78.0	99.4
115	121	113	86.9	88.0	86.6	84.5	83.4	92.5	92.3	82.3	85.8	68.9	62.0	60.2	60.4	66.2	103	95.1	111
120	187	200	165	114	102	99.5	117	149	211	210	135	97.7	79.2	78.1	81.1	117	178	181	96.9
125	260	253	236	233	218	199	207	245	306	344	264	184	159	167	180	194	188	217	220
130	356	267	241	267	259	264	285	335	331	365	385	325	288	249	230	220	241	339	416
135	500	426	328	307	260	293	335	425	432	424	451	380	328	289	288	320	408	501	511
140	567	524	439	358	351	353	481	523	529	509	514	484	382	375	386	473	541	585	560
145	543	523	497	470	460	454	503	565	572	580	539	452	435	448	465	518	568	543	470
150	428	450	470	483	482	475	465	509	500	454	457	458	459	461	463	458	552	531	516
155	438	439	440	449	452	454	450	494	352	441	448	455	458	458	452	444	466	428	439
160	452	451	449	450	450	451	324	453	454	454	452	450	451	452	452	320	442	443	456
165	463	461	458	460	459	331	331	467	468	466	462	459	459	460	324	325	454	455	467
170	469	466	462	464	333	334	359	474	474	472	467	463	463	324	326	344	459	460	474
175	492	587	601	470	469	470	470	474	473	487	582	597	454	454	455	457	460	461	477
180	602	602	467	468	467	467	466	599	598	599	597	453	453	453	453	453	583	576	604

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-03-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.2V I:0.9384A P:200.0W PF:0.9713 Freq:49.80Hz Lamp Flux:29442.8x1 lm																	
NAME: AOK oH									TYPE:LED						WEIGHT:6.0KG		
SPEC.:AOK-200WoH-3030-120D									DIM.: ϕ 0.4*0.141M						SERIAL No.:		
MFR.: AOK									SUR.: ϕ 0.29M						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	9012	9012	9012	9012	9012	9012	9012	9012	9012	9012	9012	9012	9012	9012	9012	9012	9012		
5	8988	8990	8994	8997	9002	9005	9010	9016	9021	9027	9032	9037	9043	9046	9050	9051	9054		
10	8965	8975	8983	8990	8997	9005	9014	9027	9042	9054	9071	9085	9100	9109	9120	9125	9130		
15	8913	8931	8950	8972	8994	9017	9038	9057	9075	9094	9114	9133	9151	9168	9178	9187	9193		
20	8880	8903	8928	8958	8986	9017	9040	9061	9084	9109	9133	9157	9177	9197	9214	9228	9236		
25	8834	8866	8898	8935	8964	8992	9021	9053	9085	9113	9147	9181	9203	9231	9256	9277	9292		
30	8772	8812	8857	8904	8943	8976	9009	9044	9068	9096	9134	9185	9216	9245	9263	9283	9301		
35	8600	8654	8706	8771	8822	8852	8868	8898	8952	9024	9081	9126	9155	9190	9228	9255	9257		
40	8661	8676	8721	8770	8828	8878	8944	8999	9060	9114	9173	9220	9263	9299	9337	9374	9418		
45	8925	8935	8973	9011	9067	9103	9177	9261	9299	9302	9341	9392	9434	9470	9508	9560	9631		
50	9210	9184	9190	9214	9244	9260	9299	9324	9324	9302	9251	9297	9310	9348	9359	9454	9480		
55	8090	8083	7990	8032	7956	7995	7879	7837	7696	7667	7484	7484	7408	7458	7397	7470	7389		
60	3980	4051	3844	3848	3663	3743	3575	3587	3395	3383	3152	3137	2973	3020	2892	2954	2792		
65	747	764	735	733	704	713	687	692	667	661	632	625	604	604	586	587	577		
70	407	414	411	409	403	403	399	399	395	398	391	392	388	390	383	383	379		
75	274	278	277	277	271	273	267	268	263	264	261	261	257	260	254	254	253		
80	150	150	148	147	142	142	140	141	137	134	129	129	125	124	120	122	122		
85	24.0	23.6	21.5	22.0	20.5	21.5	20.7	21.4	20.1	19.1	17.2	16.8	15.9	16.1	15.9	16.9	17.2		
90	5.79	4.56	3.52	3.10	3.93	4.31	5.10	5.91	6.09	5.18	4.28	3.72	2.95	3.24	4.07	5.02	7.25		
95	10.1	7.92	6.35	4.54	6.30	8.61	9.93	12.6	12.6	9.96	8.43	6.19	4.66	5.76	7.20	8.50	11.9		
100	21.0	18.2	17.1	15.3	18.0	21.2	22.5	26.0	23.5	19.7	20.3	17.0	14.9	16.2	17.7	19.1	26.5		
105	44.0	36.3	30.0	28.1	29.2	33.9	40.7	52.6	51.2	35.0	35.3	27.1	26.0	26.5	28.8	40.2	57.4		
110	60.8	47.9	48.1	46.4	47.6	49.1	58.1	69.2	71.9	52.3	51.6	43.6	41.0	44.2	45.6	50.7	96.8		
115	64.0	70.4	62.0	63.1	62.7	63.1	82.0	91.1	83.5	74.2	63.0	65.1	67.3	62.4	67.4	61.5	96.1		
120	115	93.7	77.4	80.0	78.7	77.5	98.6	161	184	106	81.8	81.7	82.0	78.5	89.4	97.9	108		
125	185	133	137	141	146	166	215	255	243	229	181	148	135	141	143	186	227		
130	350	236	207	185	200	222	279	313	350	350	256	233	193	200	253	384	425		
135	454	415	376	304	347	362	447	497	471	437	374	355	323	372	416	504	549		
140	534	464	419	414	417	521	517	541	560	528	508	392	363	432	555	568	559		
145	491	524	464	461	451	440	526	533	529	548	481	441	387	430	423	503	524		
150	525	416	417	423	424	423	415	409	508	532	406	408	351	273	401	403	404		
155	443	353	427	427	426	424	422	423	425	438	420	420	420	284	381	409	419		
160	454	320	335	439	437	436	436	438	395	431	299	434	433	404	279	381	394		
165	465	327	325	339	448	447	447	450	431	349	305	304	444	442	301	422	380		
170	472	346	327	326	453	454	454	458	460	459	333	307	306	448	422	365	448		
175	475	472	469	469	467	599	564	464	462	461	457	456	455	454	597	449	460		
180	600	469	467	468	466	467	598	599	598	598	453	453	452	453	453	596	576		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-03-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.633m [K=1.0000]
Remarks: