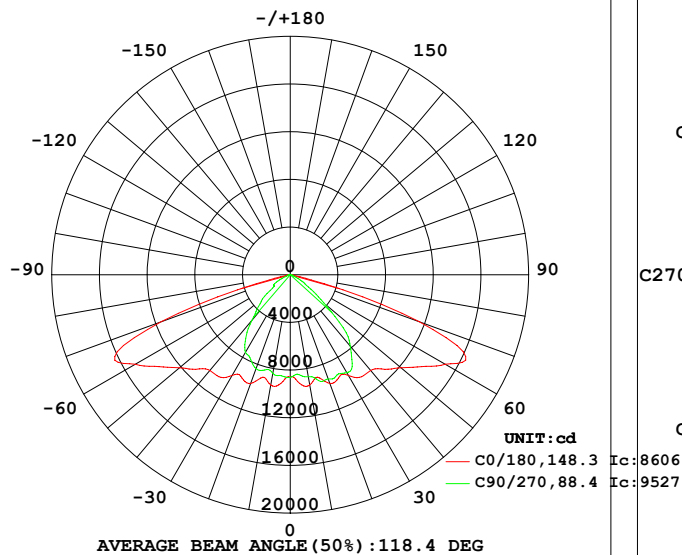
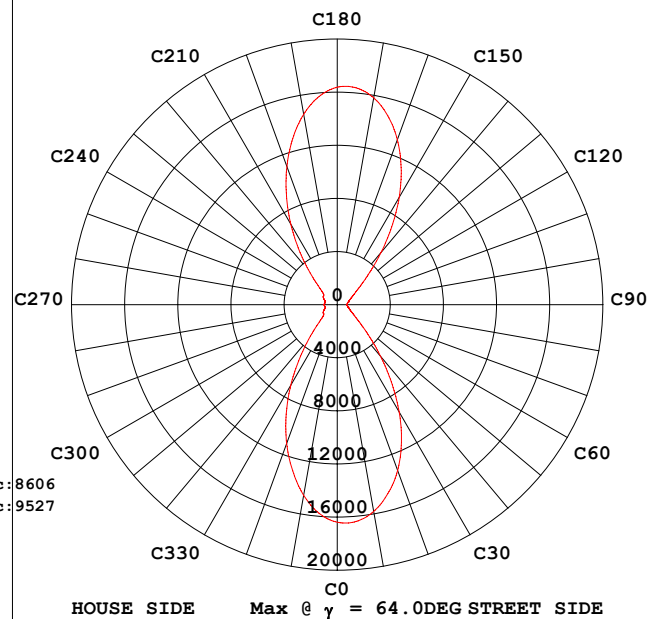


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.1V I:1.057A P:229.8W PF:0.9922 Freq:49.99Hz Lamp Flux:33135.8x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-230WinM-NV-Y2-00-5770-T2-P	DIM.: $\Phi 460 \times 200$ mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi 410$ mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 144.20 lm/W			
MODEL	Y2	I _{max} (cd)	16376	η street_up (%)	0.0
NOMINAL POWER (W)	230	LOR (%)	100.0	η street_down (%)	53.8
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	33136	η house_up (%)	0.0
NOMINAL FLUX (lm)	33135.8	MAXIMUM @ (C, γ)	0,64.0	η house_down (%)	46.2
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	19.401

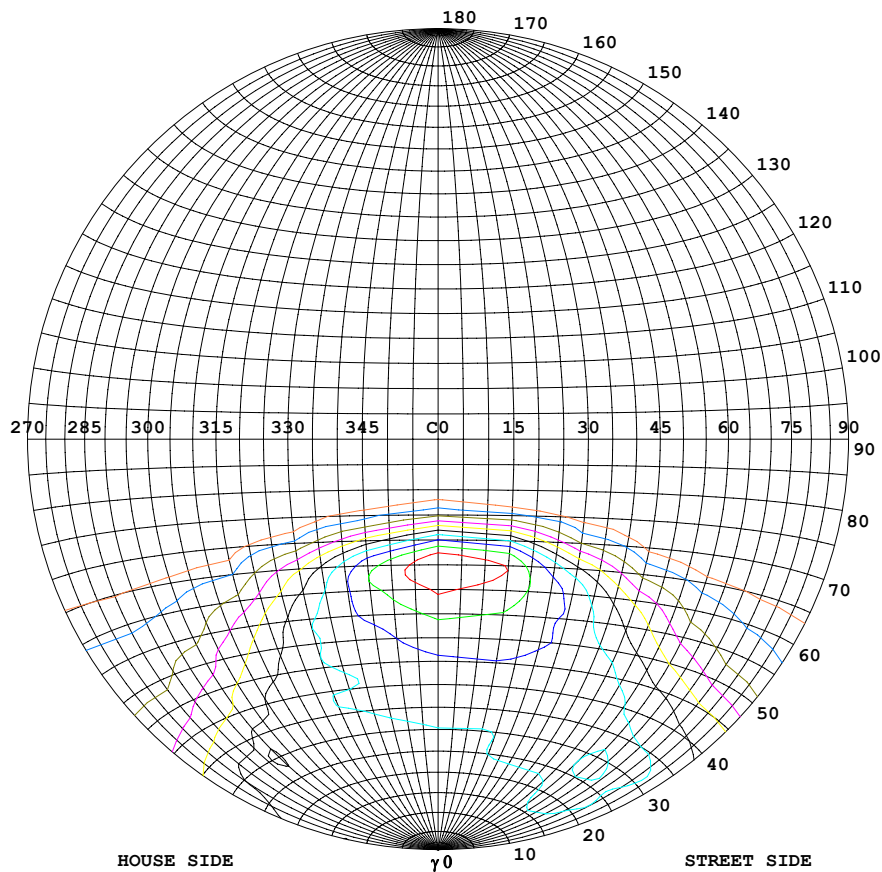
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-01-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.1V I:1.057A P:229.8W PF:0.9922 Freq:49.99Hz Lamp Flux:33135.8x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-230WiNM-NV-Y2-00-5770-T2-P	DIM.: Φ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 410mm	Shielding Angle:



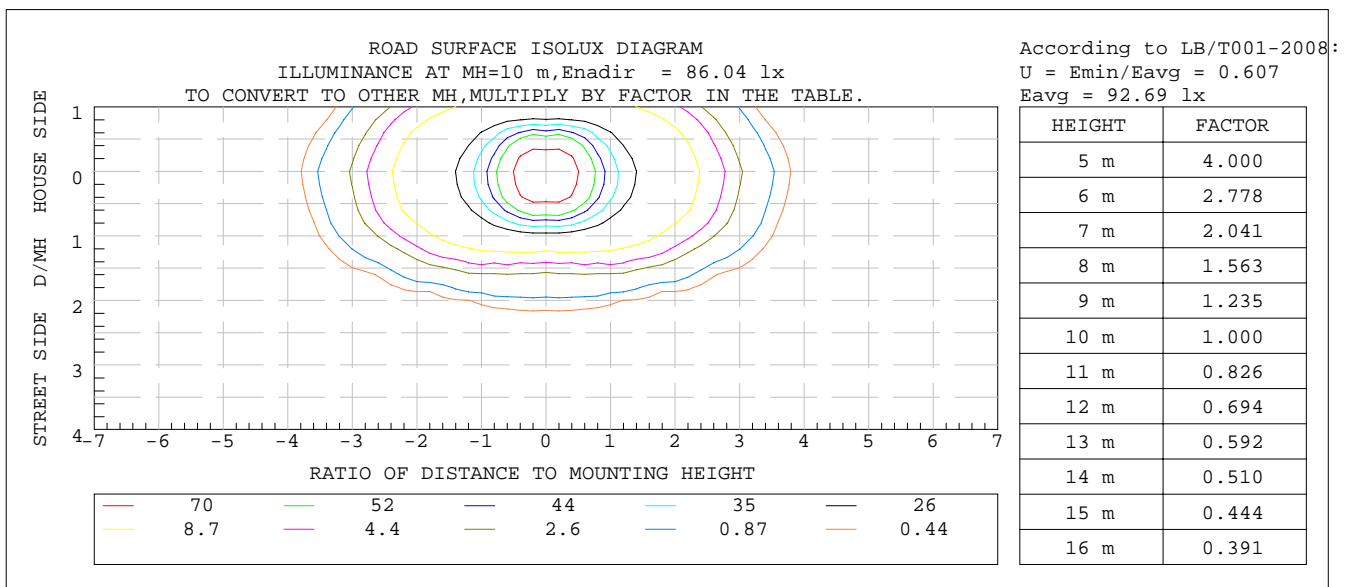
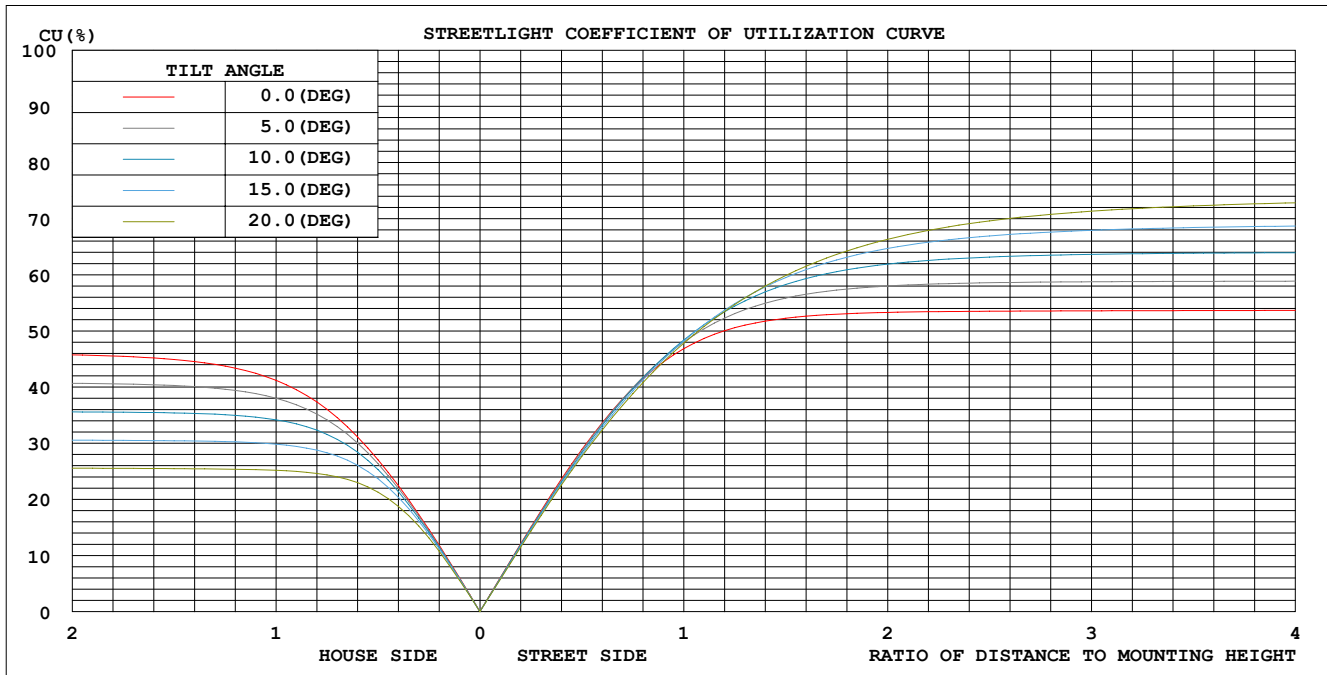
Classification:

IES:Type II - Short
 CIE:Narrow - Intermediate
 IES:Full cut-off
 CIE:Full cut-off
 Max.At80:9.268cd/klm
 Max.At90:0cd/klm
 Max.80-90:9.268cd/klm
 NRB 5101:Limited[5.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	16376
90%	14739
80%	13101
70%	11463
60%	9826
50%	8188
40%	6550
30%	4913
20%	3275
10%	1638
5%	819

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-01-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.801m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-01-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.1V I:1.057A P:229.8W PF:0.9922 Freq:49.99Hz Lamp Flux:33135.8x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-230WinM-NV-Y2-00-5770-T2-P	DIM.: Φ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 410mm	Shielding Angle:

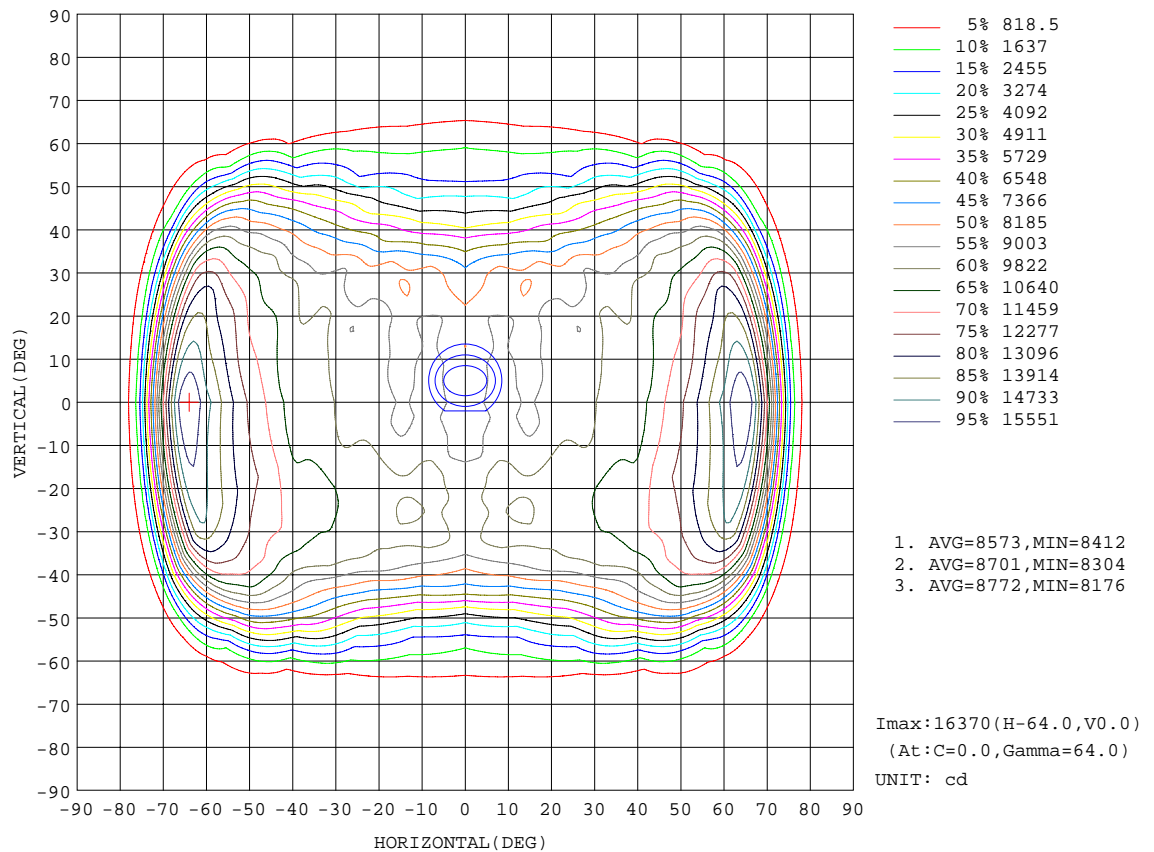
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	939.8	937.0	869.3	937.0	939.8	931.1	840.1	931.1	0- 10	846.6	846.6	2.56,2.56
20	970.2	945.0	930.8	945.0	970.2	850.3	838.3	850.3	10- 20	2582	3429	10.3,10.3
30	976.3	1044	947.6	1044	976.3	931.3	751.8	931.3	20- 30	4345	7773	23.5,23.5
40	1049	1031	783.3	1031	1049	898.0	502.8	898.0	30- 40	5865	13638	41.2,41.2
50	1214	927.2	367.1	927.2	1214	705.8	280.9	705.8	40- 50	6564	20202	61,61
60	1501	611.3	126.0	611.3	1501	377.5	153.3	377.5	50- 60	6512	26714	80.6,80.6
70	1149	62.17	23.92	62.17	1149	41.50	28.89	41.50	60- 70	5246	31960	96.5,96.5
80	30.71	13.45	12.57	13.45	30.71	12.33	14.62	12.33	70- 80	1090	33049	99.7,99.7
90	0	0	0	0	0	0	0	0	80- 90	86.36	33136	100,100
100	0	0	0	0	0	0	0	0	90-100	0	33136	100,100
110	0	0	0	0	0	0	0	0	100-110	0	33136	100,100
120	0	0	0	0	0	0	0	0	110-120	0	33136	100,100
130	0	0	0	0	0	0	0	0	120-130	0	33136	100,100
140	0	0	0	0	0	0	0	0	130-140	0	33136	100,100
150	0	0	0	0	0	0	0	0	140-150	0	33136	100,100
160	0	0	0	0	0	0	0	0	150-160	0	33136	100,100
170	0	0	0	0	0	0	0	0	160-170	0	33136	100,100
180	0	0	0	0	0	0	0	0	170-180	0	33136	100,100
DEG	LUMINOUS INTENSITY: $\times 10\text{cd}$									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-01-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.801m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

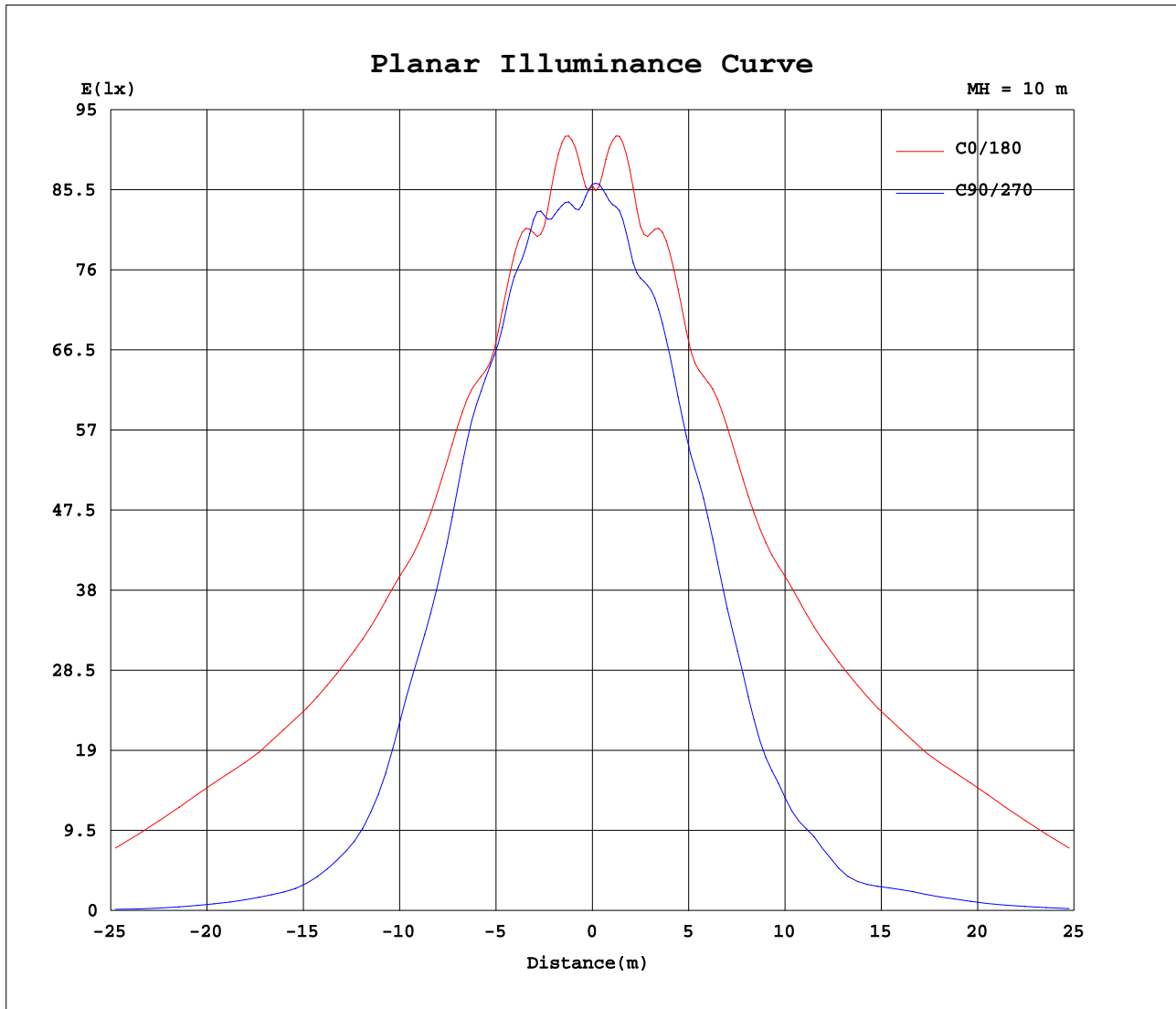
Test:U:219.1V I:1.057A P:229.8W PF:0.9922 Freq:49.99Hz Lamp Flux:33135.8x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-230WiNM-NV-Y2-00-5770-T2-P	DIM.: Φ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 410mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-01-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

Planar Illuminance Curve



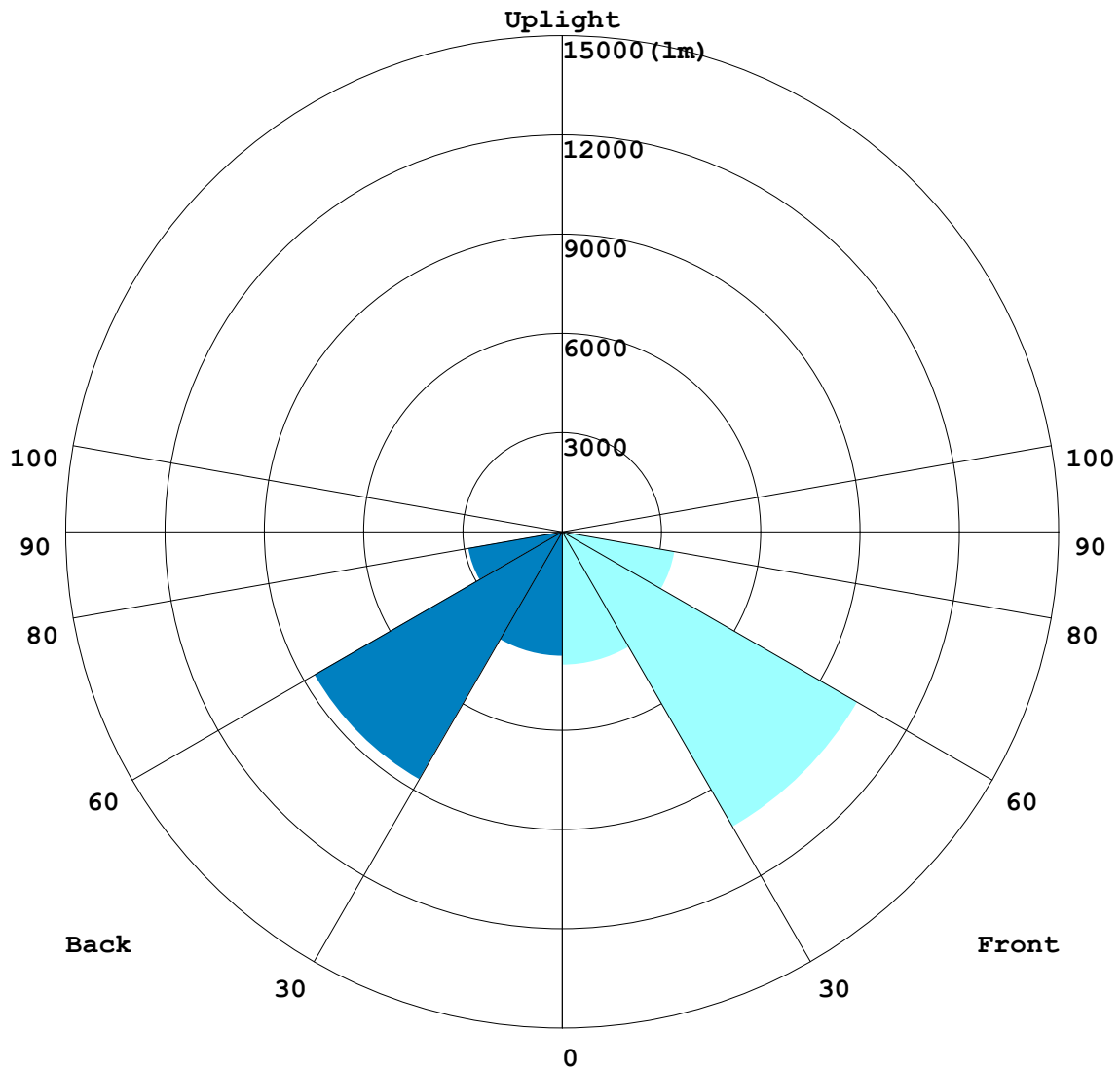
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-01-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.1V I:1.057A P:229.8W PF:0.9922 Freq:49.99Hz Lamp Flux:33135.8x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-230WiNM-NV-Y2-00-5770-T2-P	DIM.: Φ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 410mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-01-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.1V I:1.057A P:229.8W PF:0.9922 Freq:49.99Hz Lamp Flux:33135.8x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-230WinM-NV-Y2-00-5770-T2-P	DIM.: Φ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 410mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4021.4	12.1
FM - Front-Medium(30-60)	10297	31.1
FH - Front-High(60-80)	3453	10.4
FVH - Front-Very High(80-90)	45.184	0.1
Total Forward Light	17817	53.8

BL - Back-Low(0-30)	3752	11.3
BM - Back-Medium(30-60)	8643.6	26.1
BH - Back-High(60-80)	2882.4	8.7
BVH - Back-Very High(80-90)	41.175	0.1
Total Back Light	15319	46.2

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B5-U0-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	15319	0	15319
Street Side	17817	0	17817

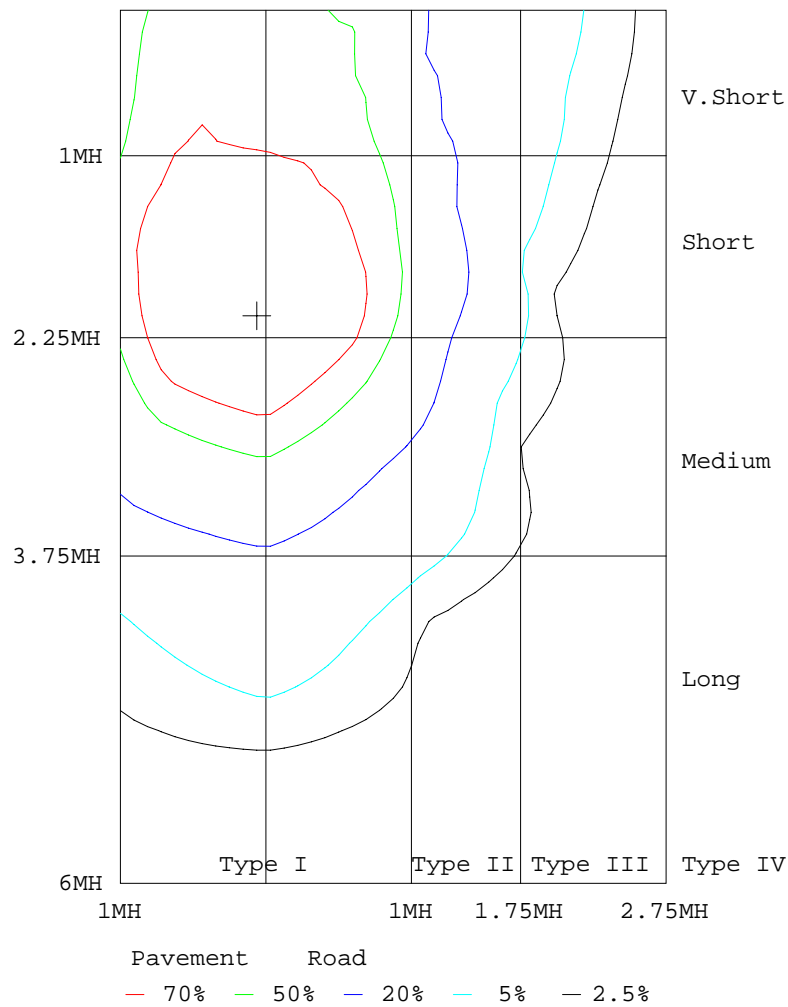
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-01-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.1V I:1.057A P:229.8W PF:0.9922 Freq:49.99Hz Lamp Flux:33135.8x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-230WiNM-NV-Y2-00-5770-T2-P	DIM.: Φ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 410mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-01-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.801m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.1V I:1.057A P:229.8W PF:0.9922 Freq:49.99Hz Lamp Flux:33135.8x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-230WiNM-NV-Y2-00-5770-T2-P	DIM.: Φ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 410mm	Shielding Angle:

Table--1

UNIT: $\times 10\text{cd}$

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861	861
5	916	901	886	863	846	833	841	833	846	863	886	901	916	908	889	873	848	839	851
10	940	923	930	937	919	871	869	871	919	937	930	923	940	938	930	931	899	843	840
15	891	867	914	948	971	937	920	937	971	948	914	867	891	864	880	904	912	860	827
20	970	940	936	945	1024	987	931	987	1024	945	936	940	970	928	894	850	915	898	838
25	958	972	1009	999	985	995	928	995	985	999	1009	972	958	944	948	902	856	864	786
30	976	975	1010	1044	965	1013	948	1013	965	1044	1010	975	976	938	901	931	808	848	752
35	1044	1041	1053	1024	998	976	907	976	998	1024	1053	1041	1044	1012	958	853	833	739	651
40	1049	1058	1105	1031	961	854	783	854	961	1031	1105	1058	1049	1002	973	898	689	574	503
45	1122	1135	1101	1022	837	683	629	683	837	1022	1101	1135	1122	1056	971	794	590	418	379
50	1214	1224	1136	927	651	449	367	449	651	927	1136	1224	1214	1118	971	706	440	284	281
55	1344	1299	1128	798	445	254	213	254	445	798	1128	1299	1344	1205	961	588	280	222	164
60	1501	1404	1109	611	257	151	126	151	257	611	1109	1404	1501	1278	850	378	188	135	153
65	1624	1466	860	287	111	70.3	58.3	70.3	111	287	860	1466	1624	1258	631	165	102	78.2	85.4
70	1149	981	331	62.2	26.1	22.8	23.9	22.8	26.1	62.2	331	981	1149	725	193	41.5	32.4	27.8	28.9
75	295	200	44.3	21.2	18.3	16.8	16.3	16.8	18.3	21.2	44.3	200	295	131	32.6	19.7	19.3	18.8	18.5
80	30.7	27.4	16.9	13.4	13.1	12.8	12.6	12.8	13.1	13.4	16.9	27.4	30.7	21.5	14.4	12.3	14.0	14.3	14.6
85	11.8	11.1	7.41	7.20	7.35	7.69	7.97	7.69	7.35	7.20	7.41	11.1	11.8	8.80	6.16	6.01	7.07	7.19	7.72
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: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-01-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.1V I:1.057A P:229.8W PF:0.9922 Freq:49.99Hz Lamp Flux:33135.8x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-230WiNM-NV-Y2-00-5770-T2-P	DIM.: Φ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 410mm	Shielding Angle:

Table--2

UNIT: x10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	861	861	861	861	861														
5	839	848	873	889	908														
10	843	899	931	930	938														
15	860	912	904	880	864														
20	898	915	850	894	928														
25	864	856	902	948	944														
30	848	808	931	901	938														
35	739	833	853	958	1012														
40	574	689	898	973	1002														
45	418	590	794	971	1056														
50	284	440	706	971	1118														
55	222	280	588	961	1205														
60	135	188	378	850	1278														
65	78.2	102	165	631	1258														
70	27.8	32.4	41.5	193	725														
75	18.8	19.3	19.7	32.6	131														
80	14.3	14.0	12.3	14.4	21.5														
85	7.19	7.07	6.01	6.16	8.80														
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:2020-01-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks: