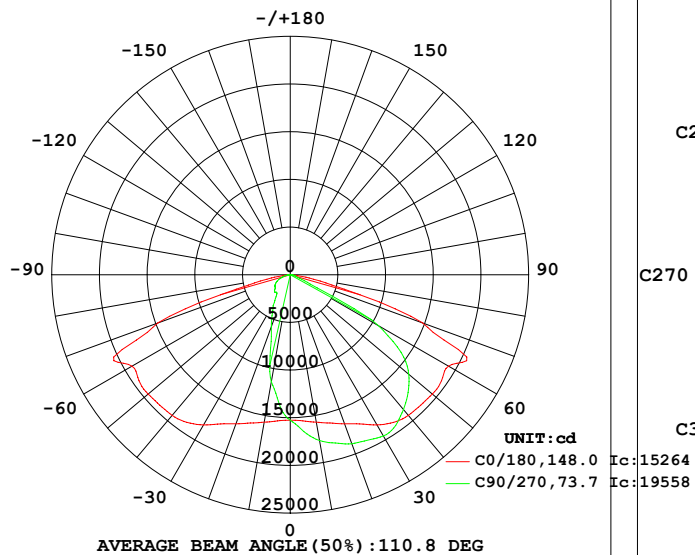
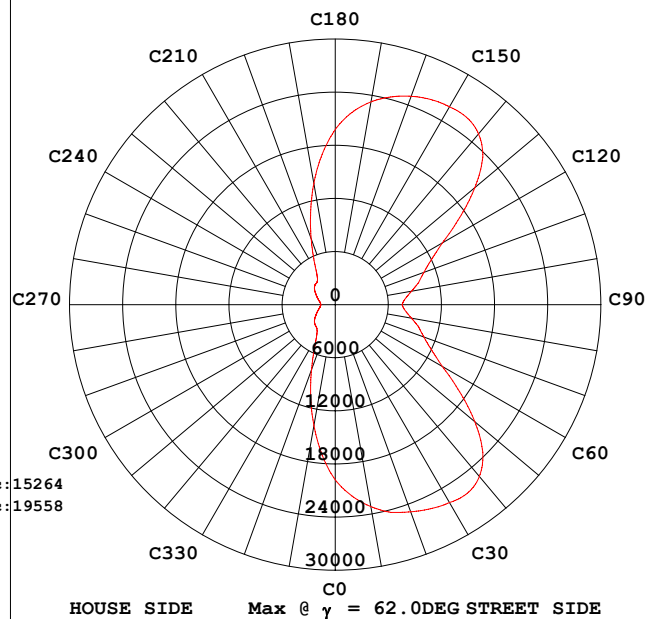


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.1V I:2.104A P:457.2W PF:0.9921 Freq:49.99Hz Lamp Flux:58144.6x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:9KG
SPEC.:AOK-460WINM-NV-Y2-00-5770-T3M-P	DIM.: ϕ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: ϕ 520mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.82 lm/W			
MODEL	Y2	I _{max} (cd)	25811	η street_up (%)	0.0
NOMINAL POWER (W)	460	LOR (%)	99.7	η street_down (%)	72.6
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	57984	η house_up (%)	0.0
NOMINAL FLUX (lm)	58144.6	MAXIMUM @ (C, γ)	30,62.0	η house_down (%)	27.1
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	99.7	SLI	22.450

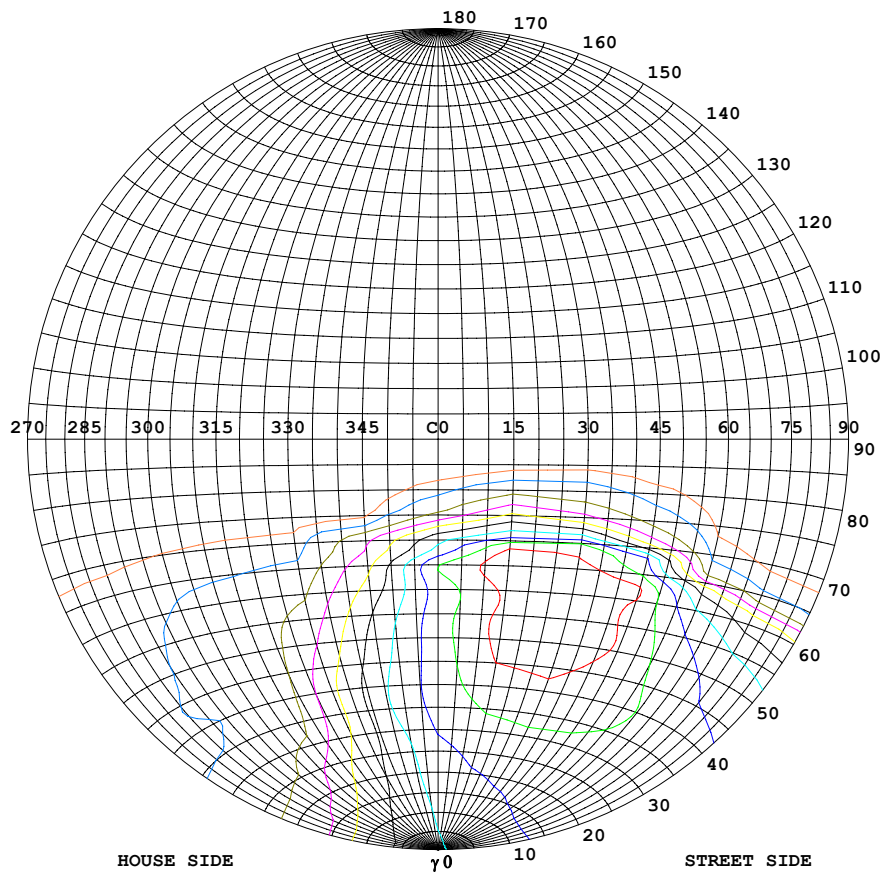
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2020-01-13

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:2.104A P:457.2W PF:0.9921 Freq:49.99Hz Lamp Flux:58144.6x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:9KG
SPEC.:AOK-460WINM-NV-Y2-00-5770-T3M-P	DIM.: Φ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 520mm	Shielding Angle:



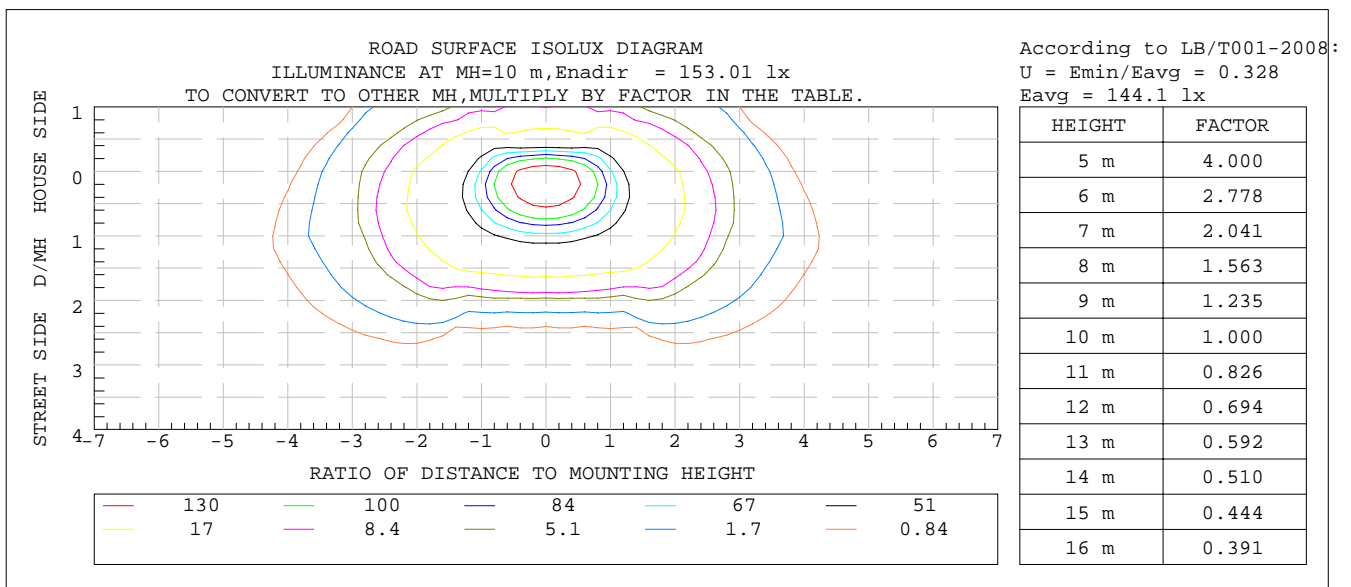
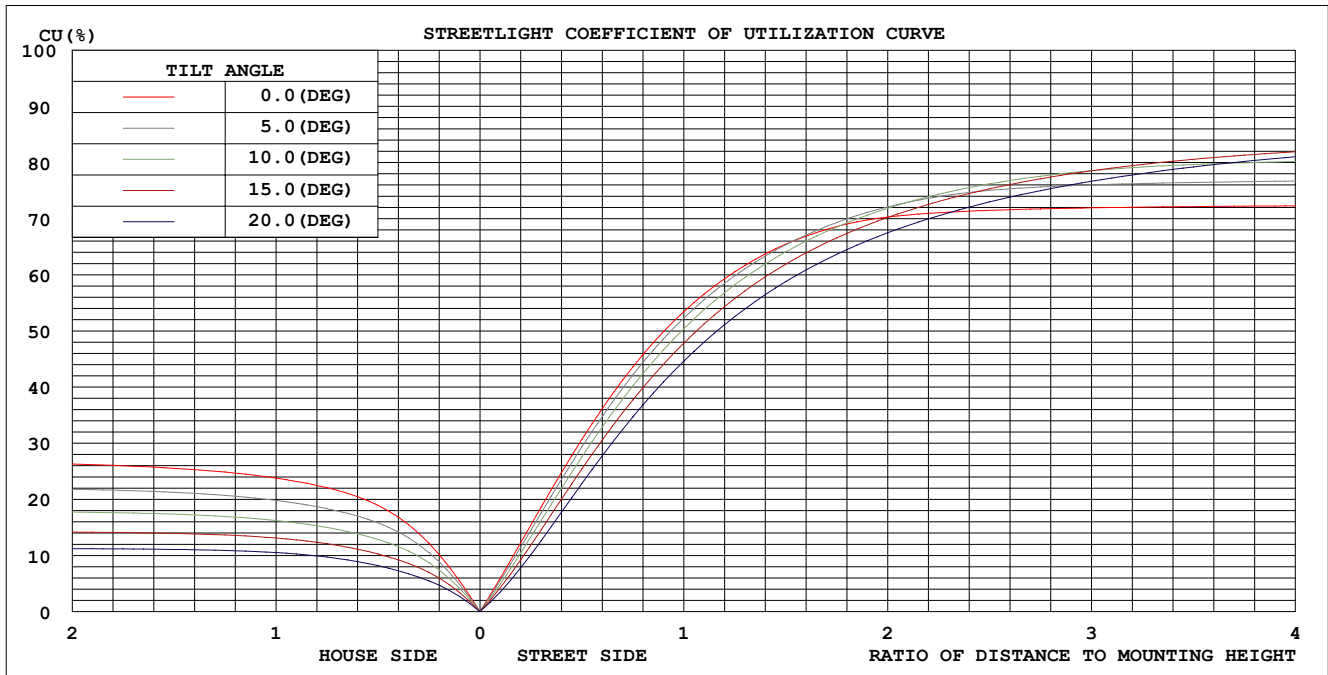
Classification:

IES:Type III - Short
 CIE:Average - Intermediate
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:74.69cd/klm
 Max.At90:0cd/klm
 Max.80-90:74.69cd/klm
 NRB 5101:Semi limited[16.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	25811
90%	23229
80%	20648
70%	18067
60%	15486
50%	12905
40%	10324
30%	7743
20%	5162
10%	2581
5%	1291

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-01-13

gamma Range: 0 - 180DEG
 gamma 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: 2020-01-13

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:2.104A P:457.2W PF:0.9921 Freq:49.99Hz Lamp Flux:58144.6x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:9KG
SPEC.:AOK-460WINM-NV-Y2-00-5770-T3M-P	DIM.: Φ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 520mm	Shielding Angle:

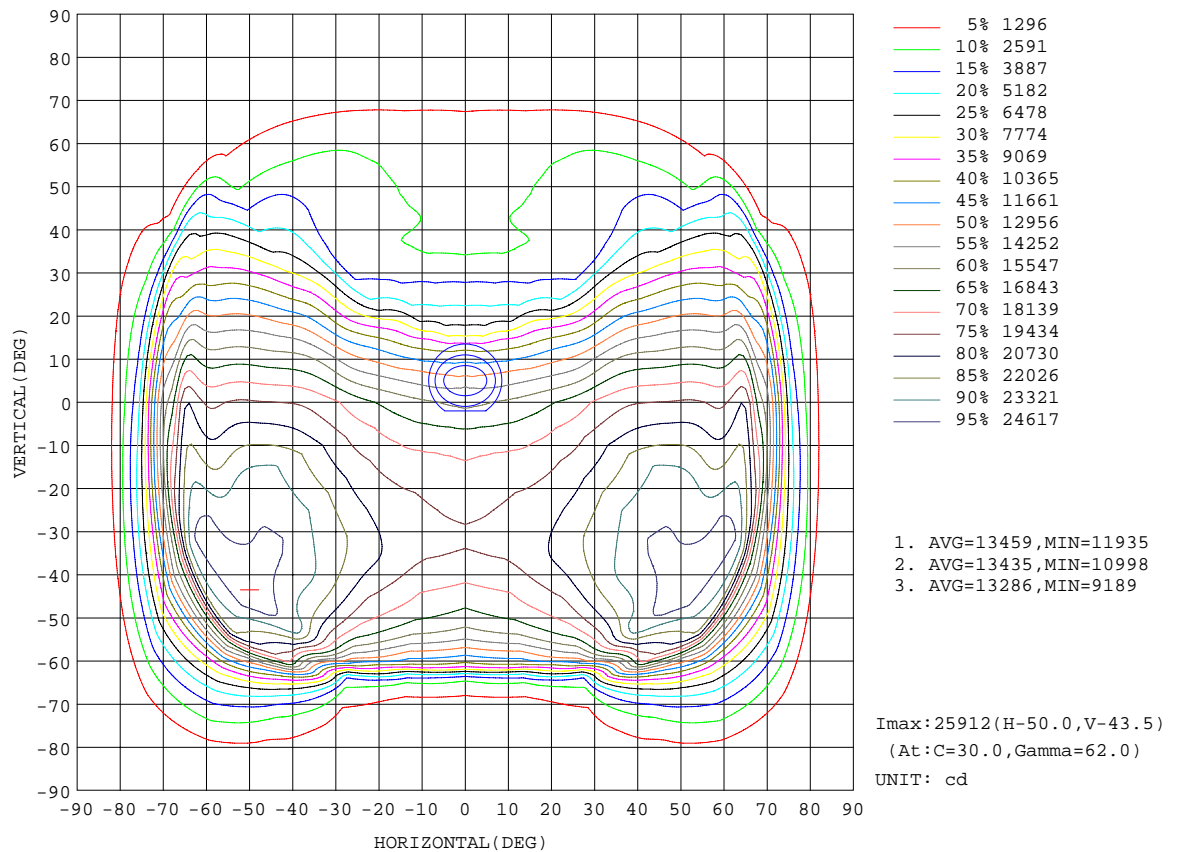
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1570	1719	1765	1719	1570	1281	1141	1281	0- 10	1444	1444	2.49,2.48
20	1664	1872	1886	1872	1664	982.6	582.7	982.6	10- 20	4142	5586	9.63,9.61
30	1819	2017	1952	2017	1819	596.9	334.7	596.9	20- 30	6541	12127	20.9,20.9
40	1925	2189	1847	2189	1925	357.1	241.3	357.1	30- 40	8835	20962	36.2,36.1
50	1947	2298	1623	2298	1947	337.5	206.4	337.5	40- 50	10905	31867	55,54.8
60	1916	2313	1068	2313	1916	344.7	174.5	344.7	50- 60	11965	43832	75.6,75.4
70	1476	1196	85.57	1196	1476	150.2	108.7	150.2	60- 70	10086	53918	93,92.7
80	201.7	183.9	37.66	183.9	201.7	42.64	37.73	42.64	70- 80	3608	57526	99.2,98.9
90	0	0	0	0	0	0	0	0	80- 90	458.1	57984	100,99.7
100	0	0	0	0	0	0	0	0	90-100	0	57984	100,99.7
110	0	0	0	0	0	0	0	0	100-110	0	57984	100,99.7
120	0	0	0	0	0	0	0	0	110-120	0	57984	100,99.7
130	0	0	0	0	0	0	0	0	120-130	0	57984	100,99.7
140	0	0	0	0	0	0	0	0	130-140	0	57984	100,99.7
150	0	0	0	0	0	0	0	0	140-150	0	57984	100,99.7
160	0	0	0	0	0	0	0	0	150-160	0	57984	100,99.7
170	0	0	0	0	0	0	0	0	160-170	0	57984	100,99.7
180	0	0	0	0	0	0	0	0	170-180	0	57984	100,99.7
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:2020-01-13

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

ISOCANDELA DIAGRAM

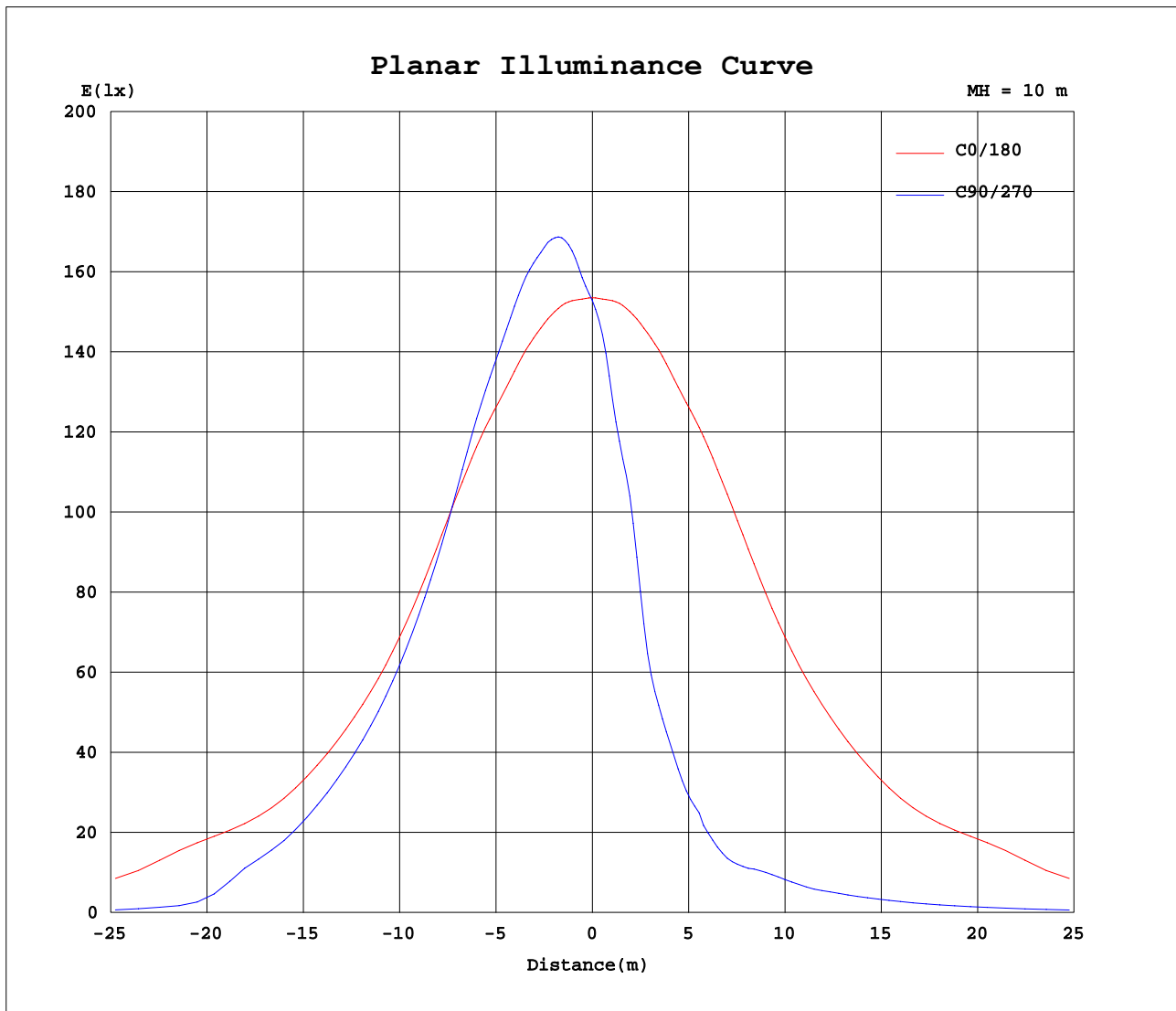
Test:U:219.1V I:2.104A P:457.2W PF:0.9921 Freq:49.99Hz Lamp Flux:58144.6x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:9KG
SPEC.:AOK-460WINM-NV-Y2-00-5770-T3M-P	DIM.: Φ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 520mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-01-13

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



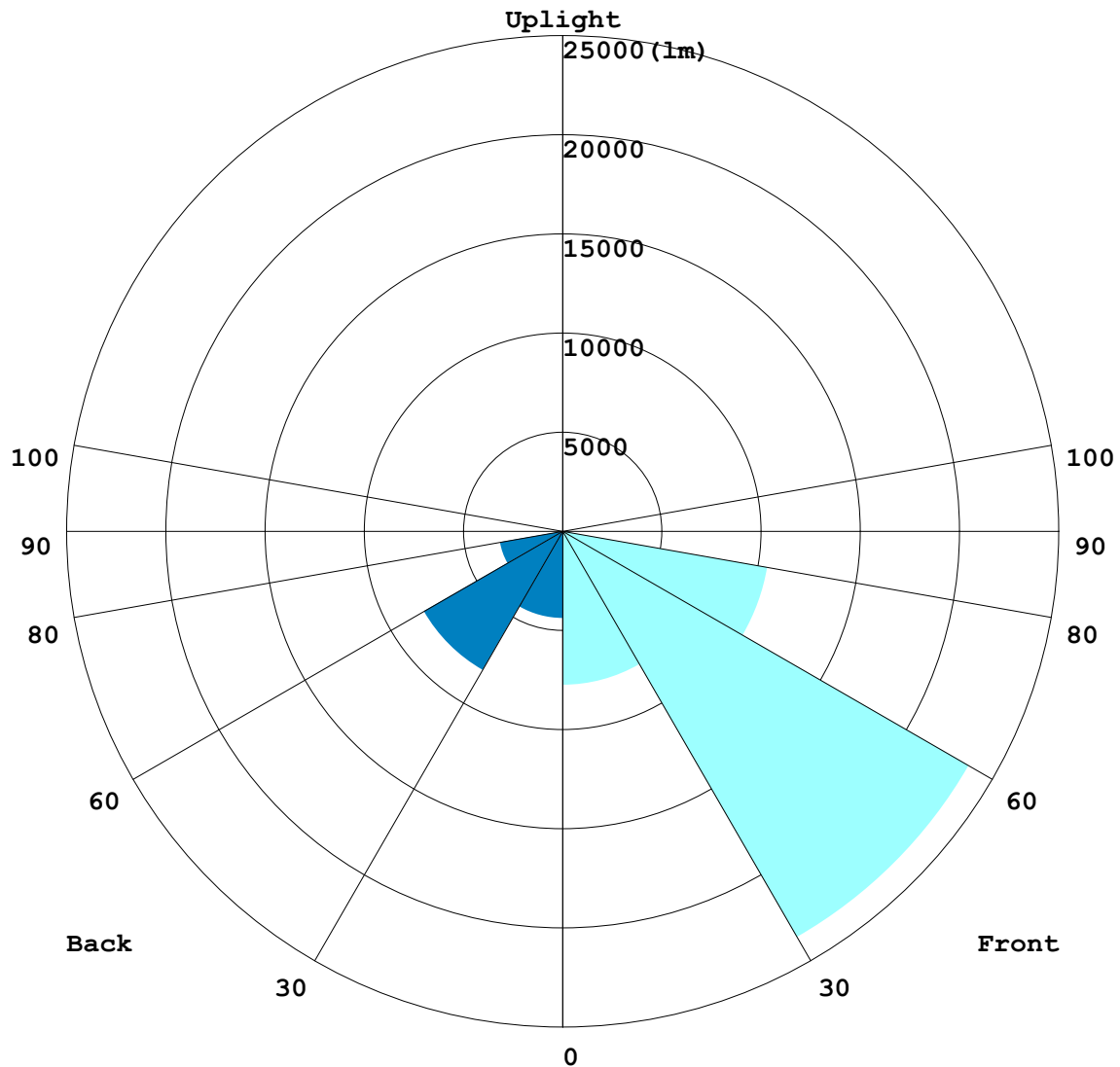
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-01-13

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:2.104A P:457.2W PF:0.9921 Freq:49.99Hz Lamp Flux:58144.6x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:9KG
SPEC.:AOK-460WINM-NV-Y2-00-5770-T3M-P	DIM.: ϕ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: ϕ 520mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-01-13

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:2.104A P:457.2W PF:0.9921 Freq:49.99Hz Lamp Flux:58144.6x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:9KG
SPEC.:AOK-460WINM-NV-Y2-00-5770-T3M-P	DIM.: ϕ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: ϕ 520mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	7750	13.4
FM - Front-Medium(30-60)	23631	40.8
FH - Front-High(60-80)	10482	18.1
FVH - Front-Very High(80-90)	345.18	0.6
Total Forward Light	42208	72.8

BL - Back-Low(0-30)	4376.8	7.5
BM - Back-Medium(30-60)	8074.3	13.9
BH - Back-High(60-80)	3212.4	5.5
BVH - Back-Very High(80-90)	112.91	0.2
Total Back Light	15776	27.2

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	B4-U0-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	15776	0	15776
Street Side	42208	0	42208

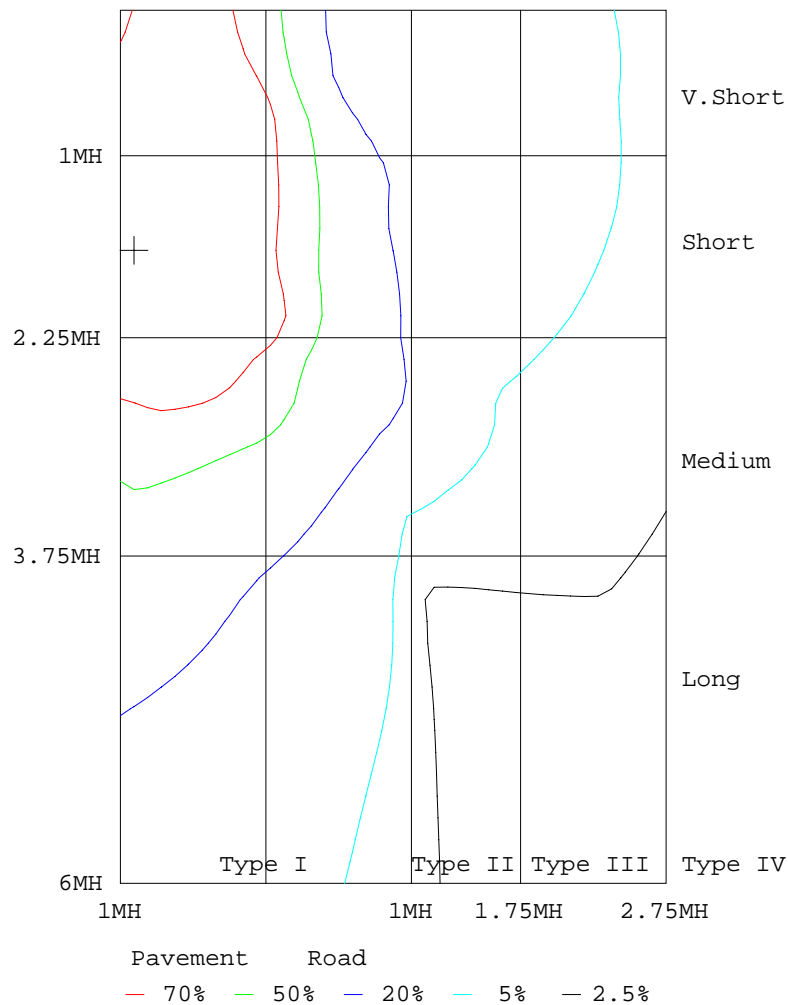
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-01-13

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:2.104A P:457.2W PF:0.9921 Freq:49.99Hz Lamp Flux:58144.6x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:9KG
SPEC.:AOK-460WINM-NV-Y2-00-5770-T3M-P	DIM.: $\Phi 550 \times 200$ mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi 520$ mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-01-13

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:2.104A P:457.2W PF:0.9921 Freq:49.99Hz Lamp Flux:58144.6x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:9KG
SPEC.:AOK-460WINM-NV-Y2-00-5770-T3M-P	DIM.: ϕ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: ϕ 520mm	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	1526	1526	1526	1526	1526	1526	1526	1526	1526	1526	1526	1526	1526	1526	1526	1526	1526	1526	1526
5	1538	1566	1592	1616	1636	1647	1651	1647	1636	1616	1592	1566	1538	1500	1461	1418	1384	1354	1355
10	1570	1624	1676	1719	1752	1765	1765	1765	1752	1719	1676	1624	1570	1480	1384	1281	1185	1144	1141
15	1610	1688	1750	1801	1829	1838	1827	1838	1829	1801	1750	1688	1610	1474	1301	1119	985	839	799
20	1664	1772	1835	1872	1900	1904	1886	1904	1900	1872	1835	1772	1664	1461	1215	983	711	600	583
25	1727	1860	1922	1941	1947	1936	1915	1936	1947	1941	1922	1860	1727	1445	1147	835	536	460	442
30	1819	1963	2012	2017	1988	1967	1952	1967	1988	2017	2012	1963	1819	1476	1050	597	411	363	335
35	1890	2079	2128	2100	2033	1964	1928	1964	2033	2100	2128	2079	1890	1533	993	440	317	266	247
40	1925	2204	2254	2189	2053	1893	1847	1893	2053	2189	2254	2204	1925	1529	981	357	267	251	241
45	1935	2311	2355	2253	2002	1814	1747	1814	2002	2253	2355	2311	1935	1469	890	323	292	259	233
50	1947	2385	2438	2298	1922	1722	1623	1722	1922	2298	2438	2385	1947	1405	764	337	308	236	206
55	1937	2382	2493	2282	1819	1538	1418	1538	1819	2282	2493	2382	1937	1312	627	366	291	230	197
60	1916	2364	2560	2313	1565	1187	1068	1187	1565	2313	2560	2364	1916	1154	484	345	271	208	174
65	2042	2486	2460	2030	848	352	231	352	848	2030	2460	2486	2042	969	320	248	210	167	148
70	1476	1962	2035	1196	213	100	85.6	100	213	1196	2035	1962	1476	731	167	150	133	110	109
75	586	1082	854	432	103	59.2	58.9	59.2	103	432	854	1082	586	114	95.7	85.5	81.7	69.9	73.9
80	202	434	361	184	48.8	40.0	37.7	40.0	48.8	184	361	434	202	31.2	48.0	42.6	38.2	33.5	37.7
85	13.9	72.4	82.9	51.0	17.9	17.6	20.8	17.6	17.9	51.0	82.9	72.4	13.9	13.8	22.9	19.6	18.6	13.7	14.7
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:2020-01-13

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:2.104A P:457.2W PF:0.9921 Freq:49.99Hz Lamp Flux:58144.6x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:9KG
SPEC.:AOK-460WINM-NV-Y2-00-5770-T3M-P	DIM.: ϕ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: ϕ 520mm	Shielding Angle:

Table--2

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

γ (DEG) \ C (DEG)	285	300	315	330	345														
0	1526	1526	1526	1526	1526														
5	1354	1384	1418	1461	1500														
10	1144	1185	1281	1384	1480														
15	839	985	1119	1301	1474														
20	600	711	983	1215	1461														
25	460	536	835	1147	1445														
30	363	411	597	1050	1476														
35	266	317	440	993	1533														
40	251	267	357	981	1529														
45	259	292	323	890	1469														
50	236	308	337	764	1405														
55	230	291	366	627	1312														
60	208	271	345	484	1154														
65	167	210	248	320	969														
70	110	133	150	167	731														
75	69.9	81.7	85.5	95.7	114														
80	33.5	38.2	42.6	48.0	31.2														
85	13.7	18.6	19.6	22.9	13.8														
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:2020-01-13

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: