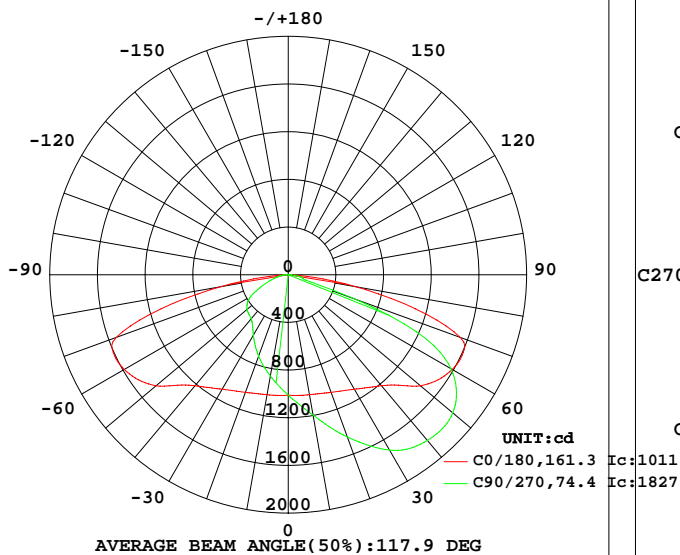
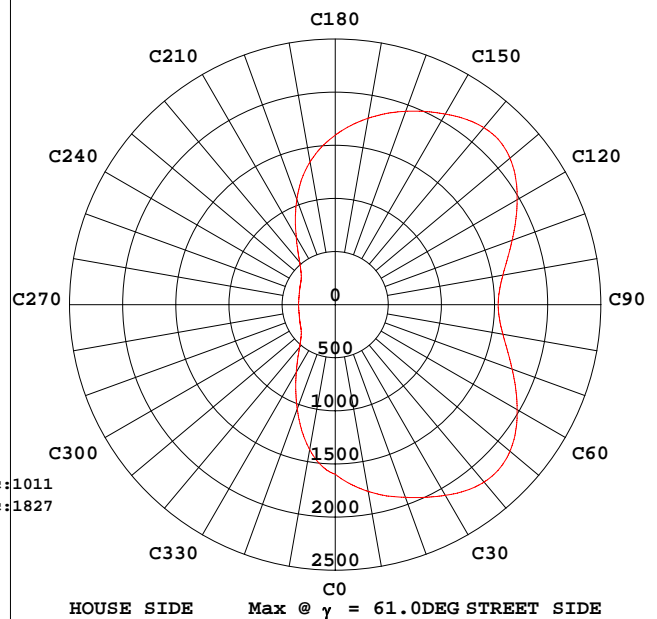


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:42.88V I:0.6900A P:29.58W PF:1.000 Freq:0Hz Lamp Flux:5810.94x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 196.42 lm/W			
MODEL	5050	I _{max} (cd)	2185	η street_up(%)	0.0
NOMINAL POWER(W)	30	LOR(%)	100.0	η street_down(%)	69.8
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	5811	η house_up(%)	0.0
NOMINAL FLUX(lm)	5810.94	MAXIMUM @(C,γ)	135,61.0	η house_down(%)	30.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.535

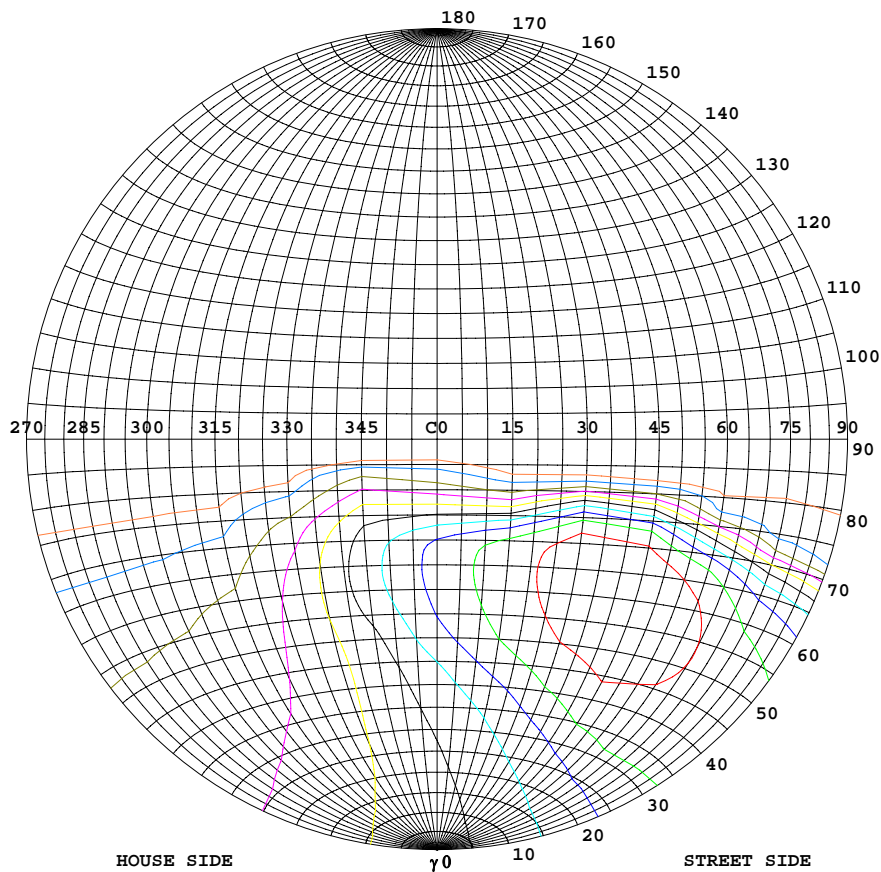
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-08-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.802m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:42.88V I:0.6900A P:29.58W PF:1.000 Freq:0Hz Lamp Flux:5810.94x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



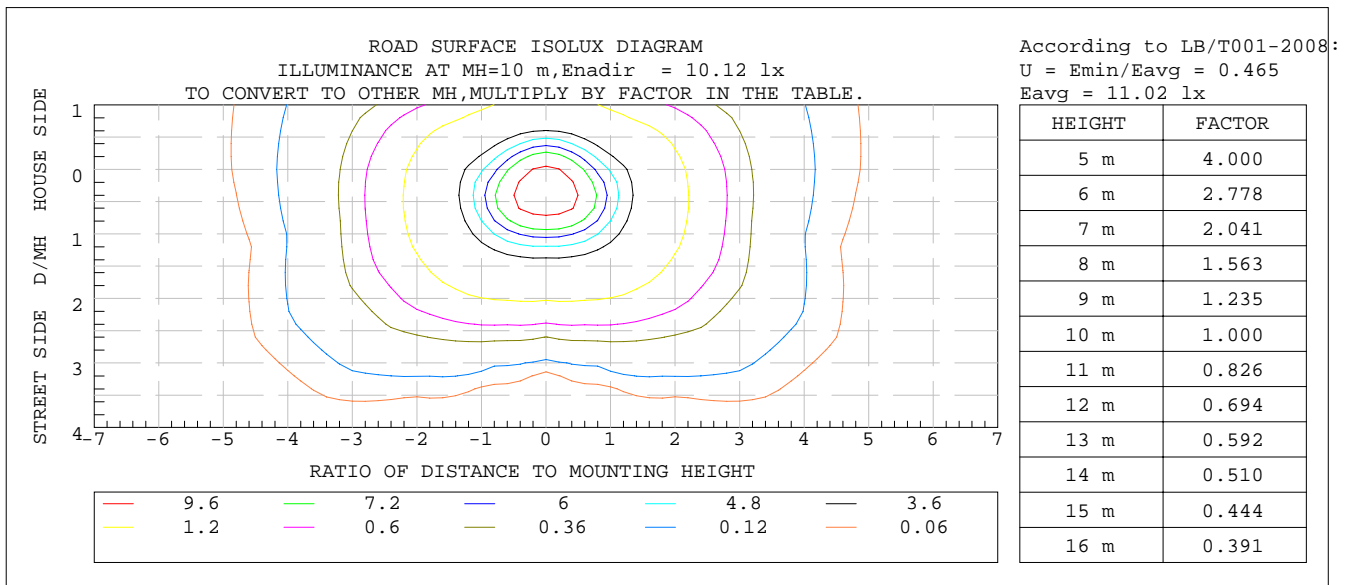
Classification:

IES:Type IV - Short
CIE:Broad - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:115.8cd/klm
Max.At90:0cd/klm
Max.80-90:115.8cd/klm
NRB 5101:Semi limited[23.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2185
90%	1966
80%	1748
70%	1529
60%	1311
50%	1092
40%	874
30%	655
20%	437
10%	218
5%	109

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [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: 2020-08-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.802m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:42.88V I:0.6900A P:29.58W PF:1.000 Freq:0Hz Lamp Flux:5810.94x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

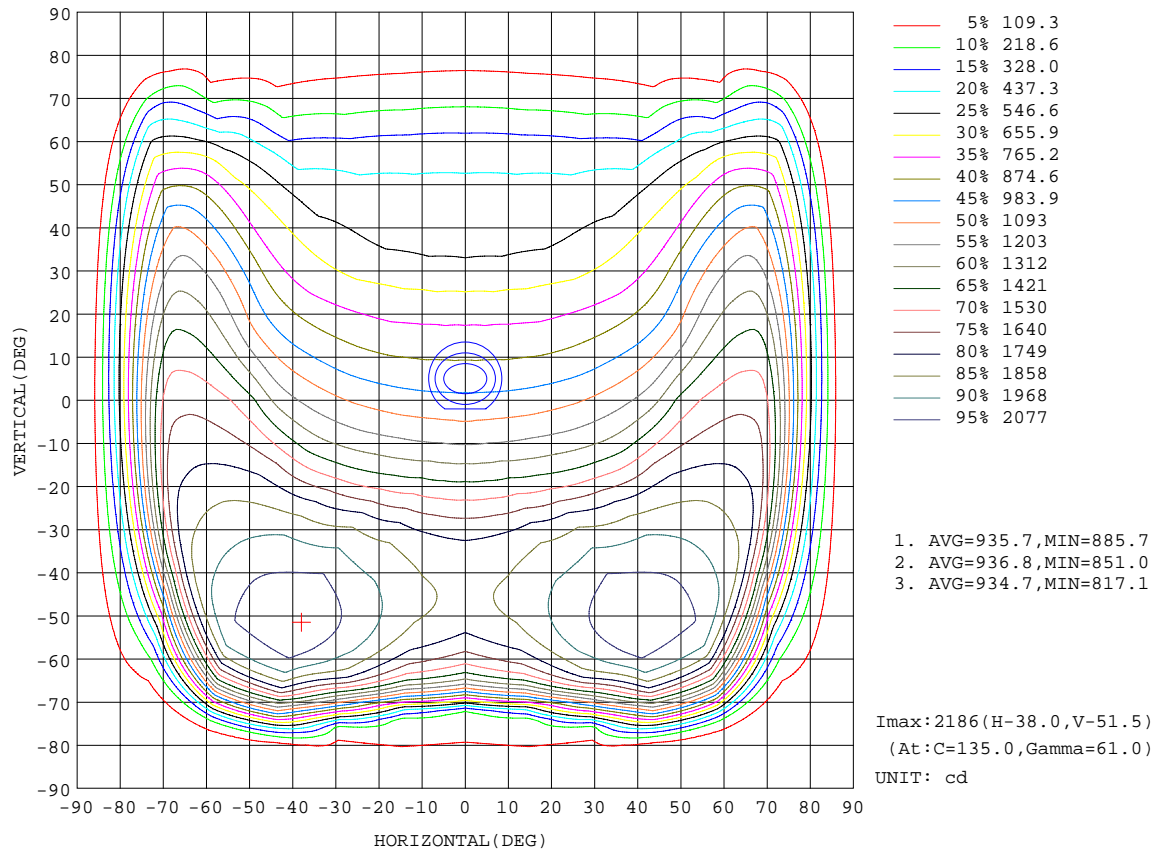
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	1022	1144	1195	1144	1022	908.1	863.0	908.1	0- 10	97.31	97.31	1.67,1.67
20	1051	1331	1447	1331	1051	812.8	727.3	812.8	10- 20	297.3	394.6	6.79,6.79
30	1109	1589	1698	1589	1109	722.1	585.8	722.1	20- 30	511.6	906.3	15.6,15.6
40	1216	1890	1814	1890	1216	631.8	484.1	631.8	30- 40	742.4	1649	28.4,28.4
50	1449	2073	1802	2073	1449	565.5	451.2	565.5	40- 50	974.8	2623	45.1,45.1
60	1589	2184	1575	2184	1589	473.2	363.4	473.2	50- 60	1173	3797	65.3,65.3
70	1535	1983	584.7	1983	1535	272.7	189.0	272.7	60- 70	1200	4997	86,86
80	568.4	437.0	102.6	437.0	568.4	76.93	81.68	76.93	70- 80	713.4	5710	98.3,98.3
90	0	0	0	0	0	0	0	0	80- 90	101.0	5811	100,100
100	0	0	0	0	0	0	0	0	90-100	0	5811	100,100
110	0	0	0	0	0	0	0	0	100-110	0	5811	100,100
120	0	0	0	0	0	0	0	0	110-120	0	5811	100,100
130	0	0	0	0	0	0	0	0	120-130	0	5811	100,100
140	0	0	0	0	0	0	0	0	130-140	0	5811	100,100
150	0	0	0	0	0	0	0	0	140-150	0	5811	100,100
160	0	0	0	0	0	0	0	0	150-160	0	5811	100,100
170	0	0	0	0	0	0	0	0	160-170	0	5811	100,100
180	0	0	0	0	0	0	0	0	170-180	0	5811	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

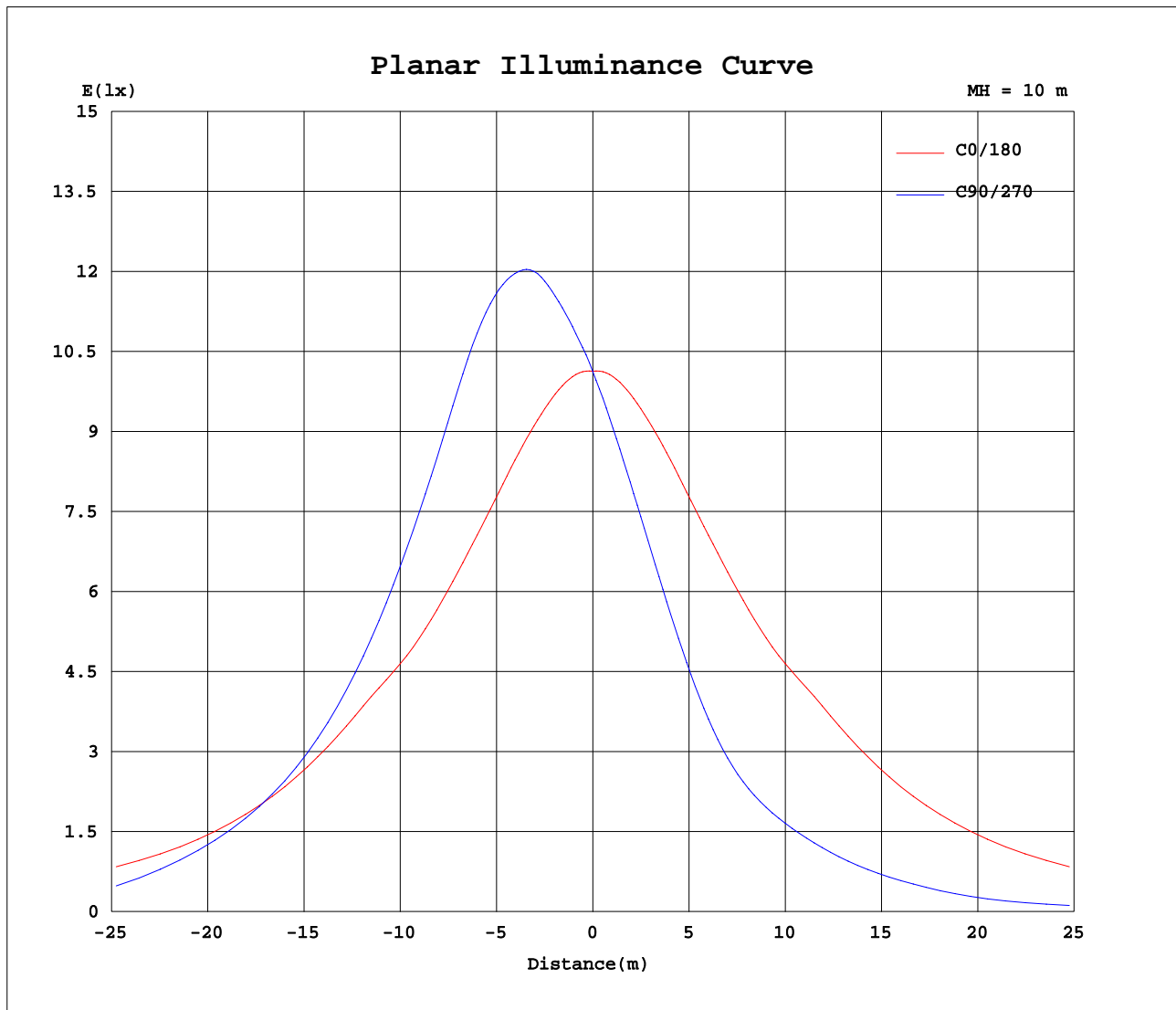
Test:U:42.88V I:0.6900A P:29.58W PF:1.000 Freq:0Hz Lamp Flux:5810.94x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [K=1.0000]
Remarks:

Planar Illuminance Curve



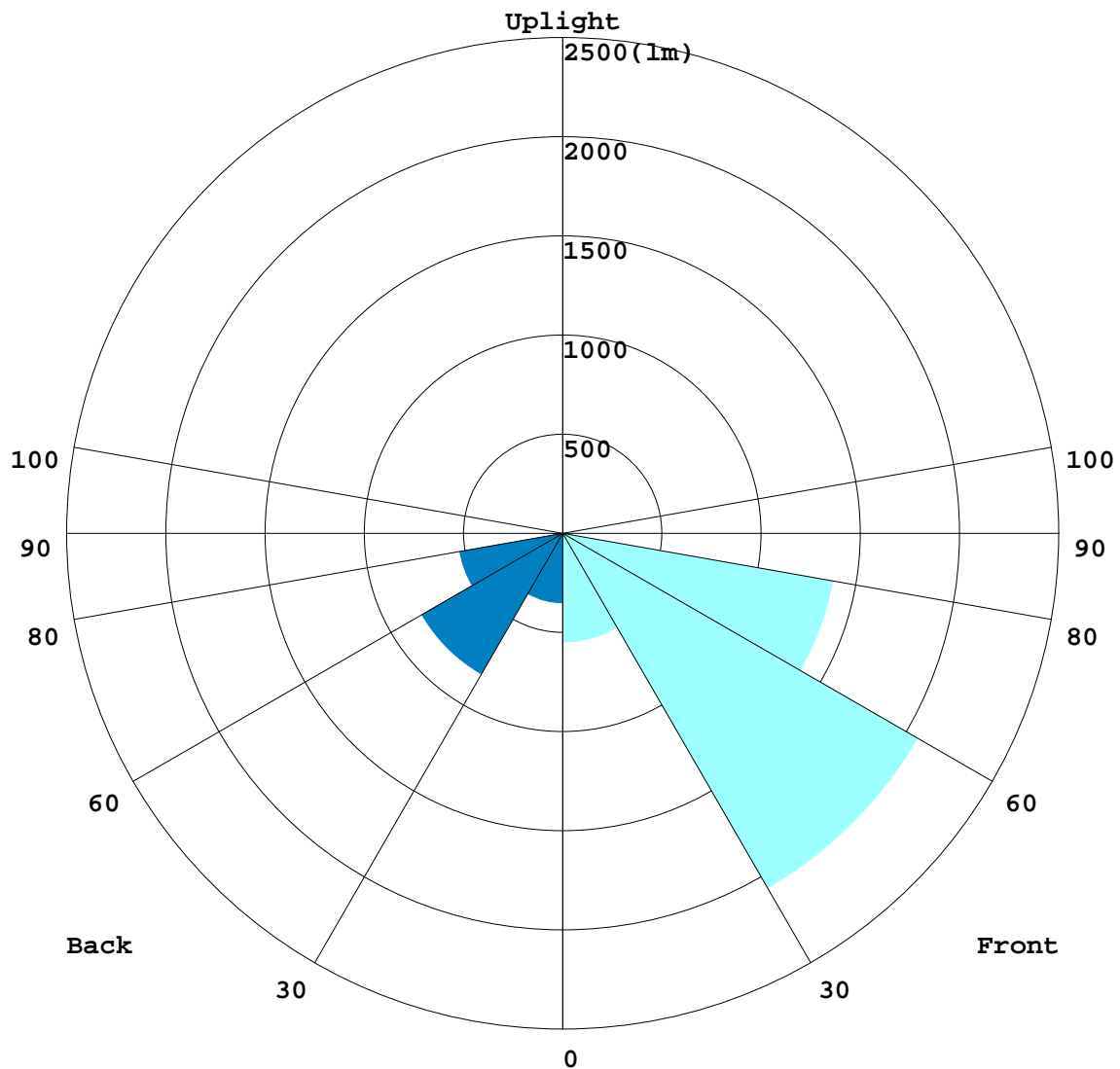
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-08-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.802m [K=1.0000]
Remarks:

LCS REPORT

Test:U:42.88V I:0.6900A P:29.58W PF:1.000 Freq:0Hz Lamp Flux:5810.94x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [K=1.0000]
Remarks:

BUG REPORT

Test:U:42.88V I:0.6900A P:29.58W PF:1.000 Freq:0Hz Lamp Flux:5810.94x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	552.18	9.5
FM - Front-Medium(30-60)	2068.7	35.6
FH - Front-High(60-80)	1384.6	23.8
FVH - Front-Very High(80-90)	53.194	0.9
Total Forward Light	4058.6	69.8

BL - Back-Low(0-30)	354.07	6.1
BM - Back-Medium(30-60)	821.62	14.1
BH - Back-High(60-80)	528.83	9.1
BVH - Back-Very High(80-90)	47.801	0.8
Total Back Light	1752.3	30.2

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	B2-U0-G2
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1752.3	0	1752.3
Street Side	4058.6	0	4058.6

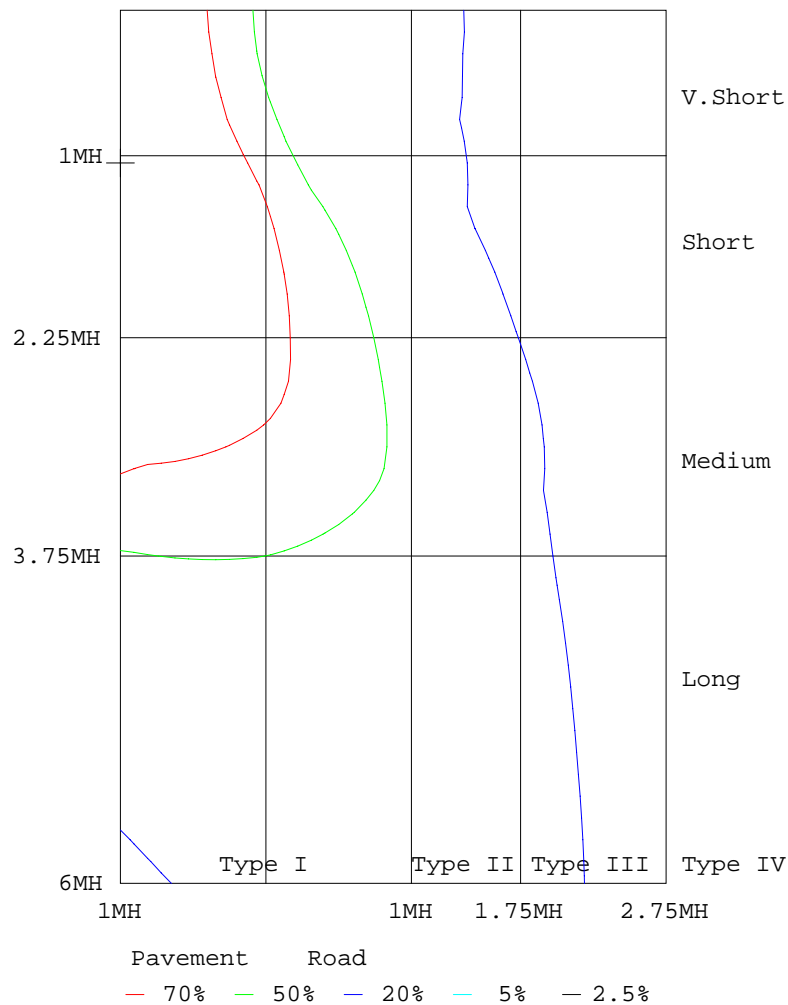
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:42.88V I:0.6900A P:29.58W PF:1.000 Freq:0Hz Lamp Flux:5810.94x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:42.88V I:0.6900A P:29.58W PF:1.000 Freq:0Hz Lamp Flux:5810.94x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

Table--1

UNIT: cd

C(DEC) γ (DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011
5	1016	1037	1056	1073	1085	1092	1094	1092	1085	1073	1056	1037	1016	995	976	959	947	938	934
10	1022	1065	1107	1144	1174	1190	1195	1190	1174	1144	1107	1065	1022	979	941	908	884	869	863
15	1032	1100	1167	1229	1280	1310	1318	1310	1280	1229	1167	1100	1032	966	907	859	825	804	796
20	1051	1144	1240	1331	1404	1440	1447	1440	1404	1331	1240	1144	1051	958	877	813	767	738	727
25	1074	1197	1326	1447	1536	1572	1577	1572	1536	1447	1326	1197	1074	954	850	767	707	669	657
30	1109	1262	1426	1589	1688	1705	1698	1705	1688	1589	1426	1262	1109	957	827	722	647	601	586
35	1156	1343	1563	1757	1819	1799	1778	1799	1819	1757	1563	1343	1156	968	803	676	588	539	523
40	1216	1463	1714	1890	1895	1847	1814	1847	1895	1890	1714	1463	1216	982	780	632	538	497	484
45	1311	1621	1845	1986	1953	1875	1827	1875	1953	1986	1845	1621	1311	1005	761	596	507	477	467
50	1449	1743	1953	2073	2003	1874	1802	1874	2003	2073	1953	1743	1449	1052	752	566	484	459	451
55	1536	1817	2026	2145	2027	1828	1723	1828	2027	2145	2026	1817	1536	1142	748	528	448	424	419
60	1589	1859	2067	2184	1993	1712	1575	1712	1993	2184	2067	1859	1589	1214	739	473	394	368	363
65	1608	1868	2081	2146	1871	1475	1280	1475	1871	2146	2081	1868	1608	1231	707	393	309	276	268
70	1535	1779	2038	1983	1455	881	585	881	1455	1983	2038	1779	1535	1182	626	273	203	188	189
75	1105	1166	1681	1463	644	132	126	132	644	1463	1681	1166	1105	1006	448	158	129	125	126
80	568	374	668	437	115	115	103	115	115	437	668	374	568	673	173	76.9	74.9	80.4	81.7
85	155	51.0	53.8	76.7	75.7	62.0	51.7	62.0	75.7	76.7	53.8	51.0	155	162	30.6	30.8	38.8	43.5	42.0
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:2020-08-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:42.88V I:0.6900A P:29.58W PF:1.000 Freq:0Hz Lamp Flux:5810.94x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	1011	1011	1011	1011	1011														
5	938	947	959	976	995														
10	869	884	908	941	979														
15	804	825	859	907	966														
20	738	767	813	877	958														
25	669	707	767	850	954														
30	601	647	722	827	957														
35	539	588	676	803	968														
40	497	538	632	780	982														
45	477	507	596	761	1005														
50	459	484	566	752	1052														
55	424	448	528	748	1142														
60	368	394	473	739	1214														
65	276	309	393	707	1231														
70	188	203	273	626	1182														
75	125	129	158	448	1006														
80	80.4	74.9	76.9	173	673														
85	43.5	38.8	30.8	30.6	162														
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:2020-08-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.802m [K=1.0000]
 Remarks: