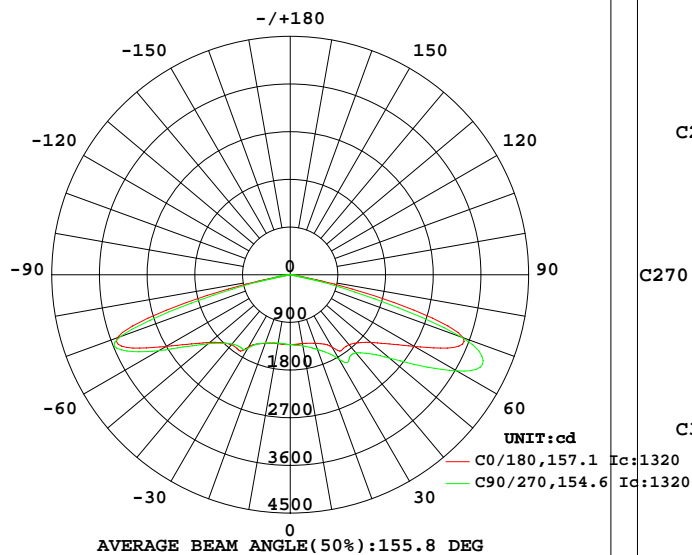
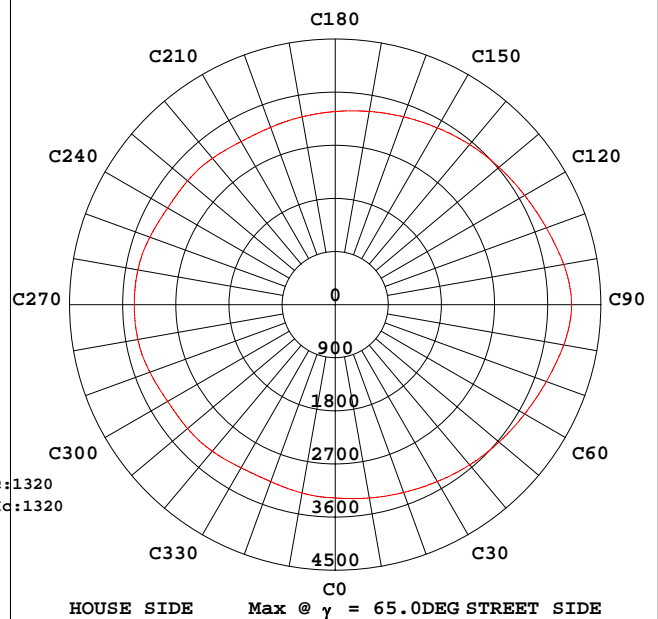


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:479.1V I:0.1695A P:73.44W PF:0.9045 Freq:60.01Hz Lamp Flux:11857.9x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-75WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 161.46 lm/W			
MODEL	2835	I _{max} (cd)	4004	η street_up(%)	0.0
NOMINAL POWER(W)	75	LOR(%)	100.0	η street_down(%)	51.6
RATED VOLTAGE(V)	480	TOTAL FLUX(lm)	11858	η house_up(%)	0.0
NOMINAL FLUX(lm)	11857.9	MAXIMUM @(C,γ)	90,65.0	η house_down(%)	48.4
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	480	η down(%)	100.0	SLI	19.279

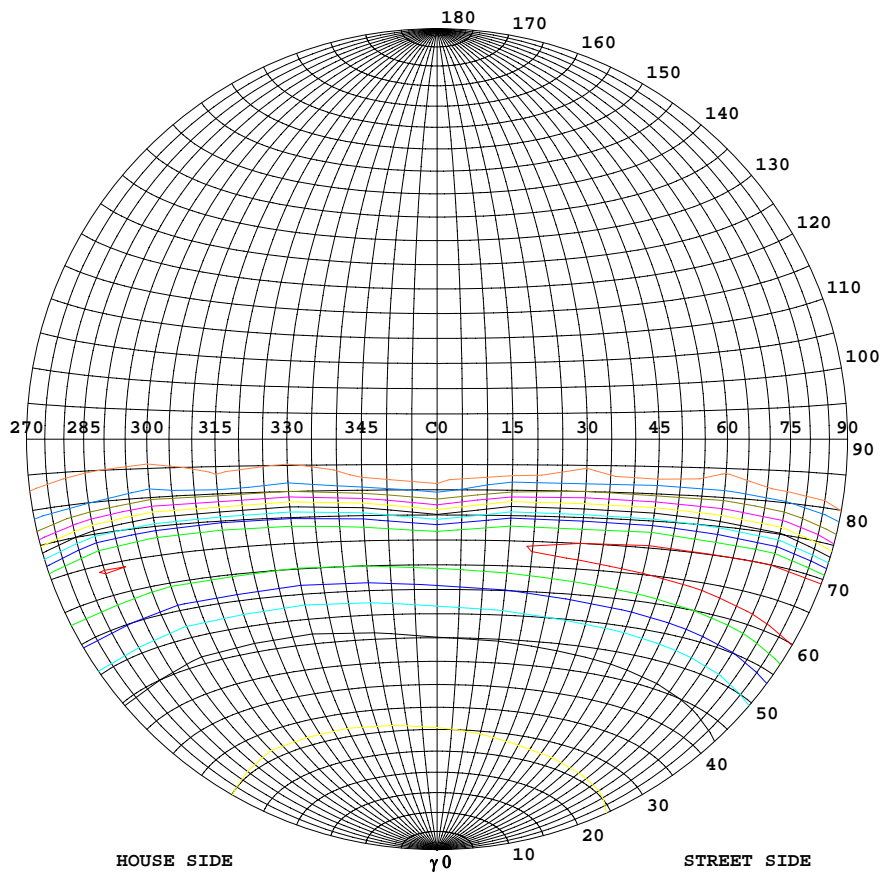
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:479.1V I:0.1695A P:73.44W PF:0.9045 Freq:60.01Hz Lamp Flux:11857.9x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-75WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



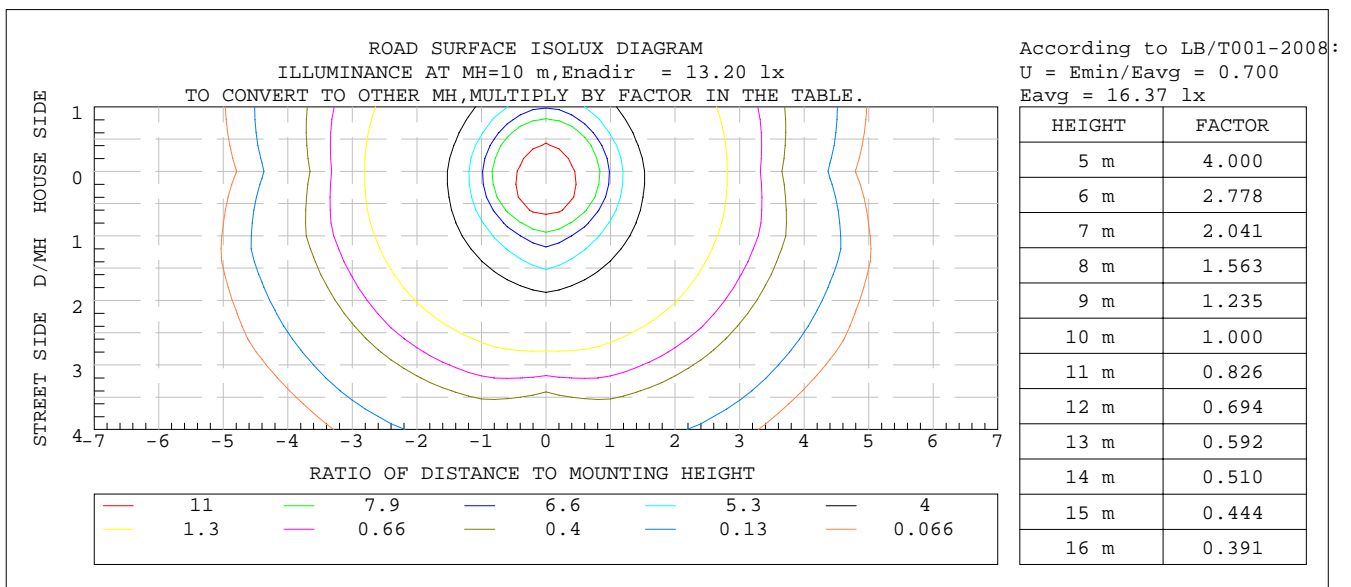
Classification:

IES:Type V - Very Short
CIE:Broad - Intermediate
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:68.43cd/klm
Max.At90:0cd/klm
Max.80-90:68.43cd/klm
NRB 5101:Semi limited[19.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4004
90%	3604
80%	3203
70%	2803
60%	2403
50%	2002
40%	1602
30%	1201
20%	801
10%	400
5%	200

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [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: 2022-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:479.1V I:0.1695A P:73.44W PF:0.9045 Freq:60.01Hz Lamp Flux:11857.9x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-75WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

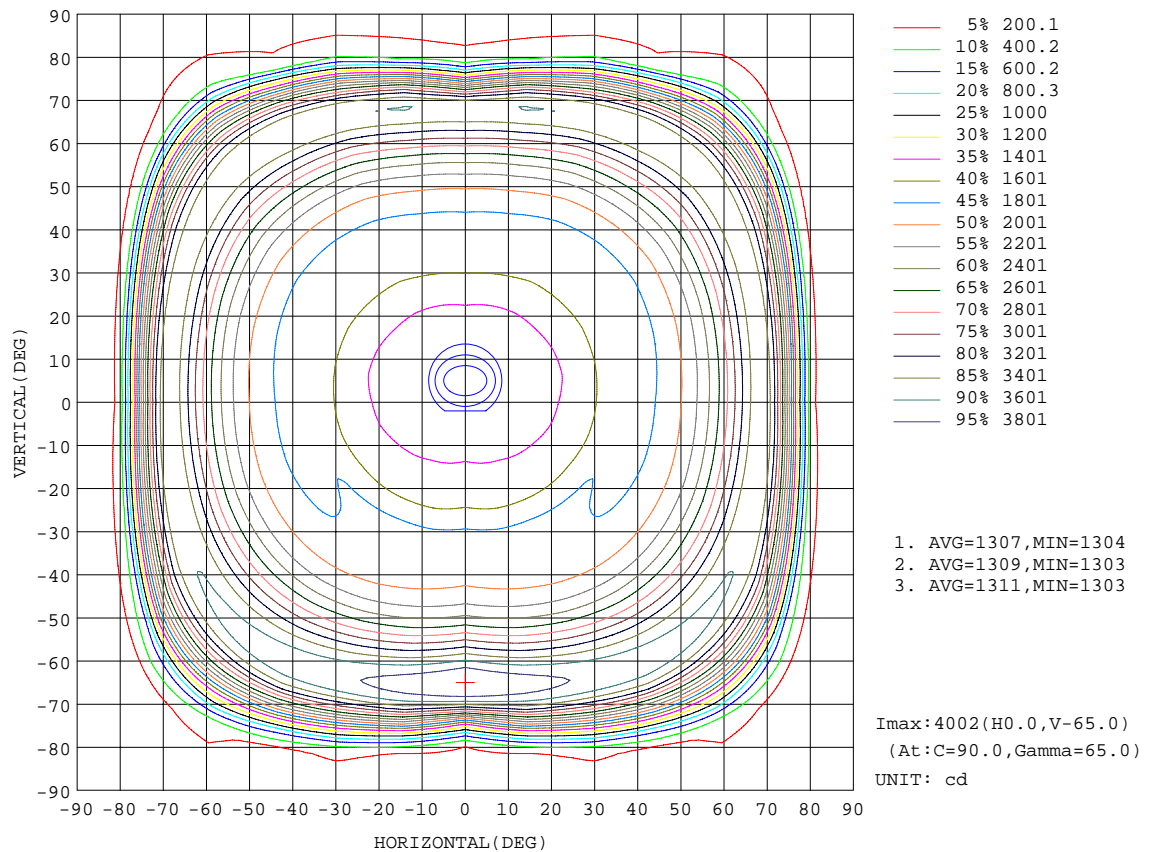
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1320	1344	1364	1344	1320	1309	1311	1309	0- 10	126.2	126.2	1.06,1.06
20	1378	1438	1501	1438	1378	1361	1372	1361	10- 20	385.5	511.7	4.32,4.32
30	1576	1725	1838	1725	1576	1557	1608	1557	20- 30	694.8	1206	10.2,10.2
40	1726	1816	1928	1816	1726	1665	1708	1665	30- 40	1088	2294	19.3,19.3
50	1990	2130	2449	2130	1990	1926	2028	1926	40- 50	1453	3747	31.6,31.6
60	2709	3046	3630	3046	2709	2675	2868	2675	50- 60	2185	5932	50,50
70	3472	3647	3438	3647	3472	3610	3407	3610	60- 70	3352	9284	78.3,78.3
80	301.1	665.7	193.2	665.7	301.1	672.8	289.1	672.8	70- 80	2377	11661	98.3,98.3
90	0	0	0	0	0	0	0	0	80- 90	197.2	11858	100,100
100	0	0	0	0	0	0	0	0	90-100	0	11858	100,100
110	0	0	0	0	0	0	0	0	100-110	0	11858	100,100
120	0	0	0	0	0	0	0	0	110-120	0	11858	100,100
130	0	0	0	0	0	0	0	0	120-130	0	11858	100,100
140	0	0	0	0	0	0	0	0	130-140	0	11858	100,100
150	0	0	0	0	0	0	0	0	140-150	0	11858	100,100
160	0	0	0	0	0	0	0	0	150-160	0	11858	100,100
170	0	0	0	0	0	0	0	0	160-170	0	11858	100,100
180	0	0	0	0	0	0	0	0	170-180	0	11858	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:2022-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

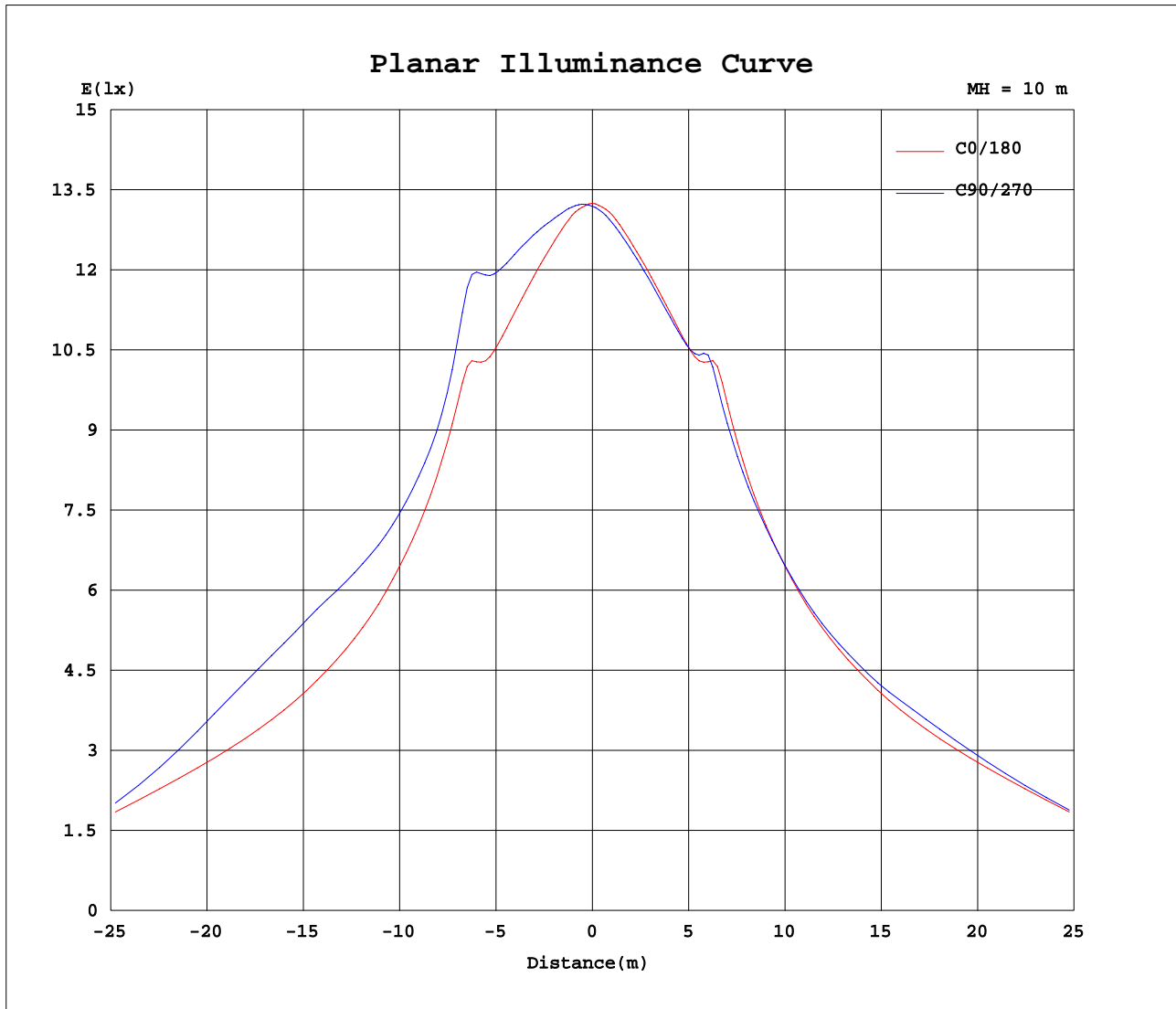
Test:U:479.1V I:0.1695A P:73.44W PF:0.9045 Freq:60.01Hz Lamp Flux:11857.9x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-75WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



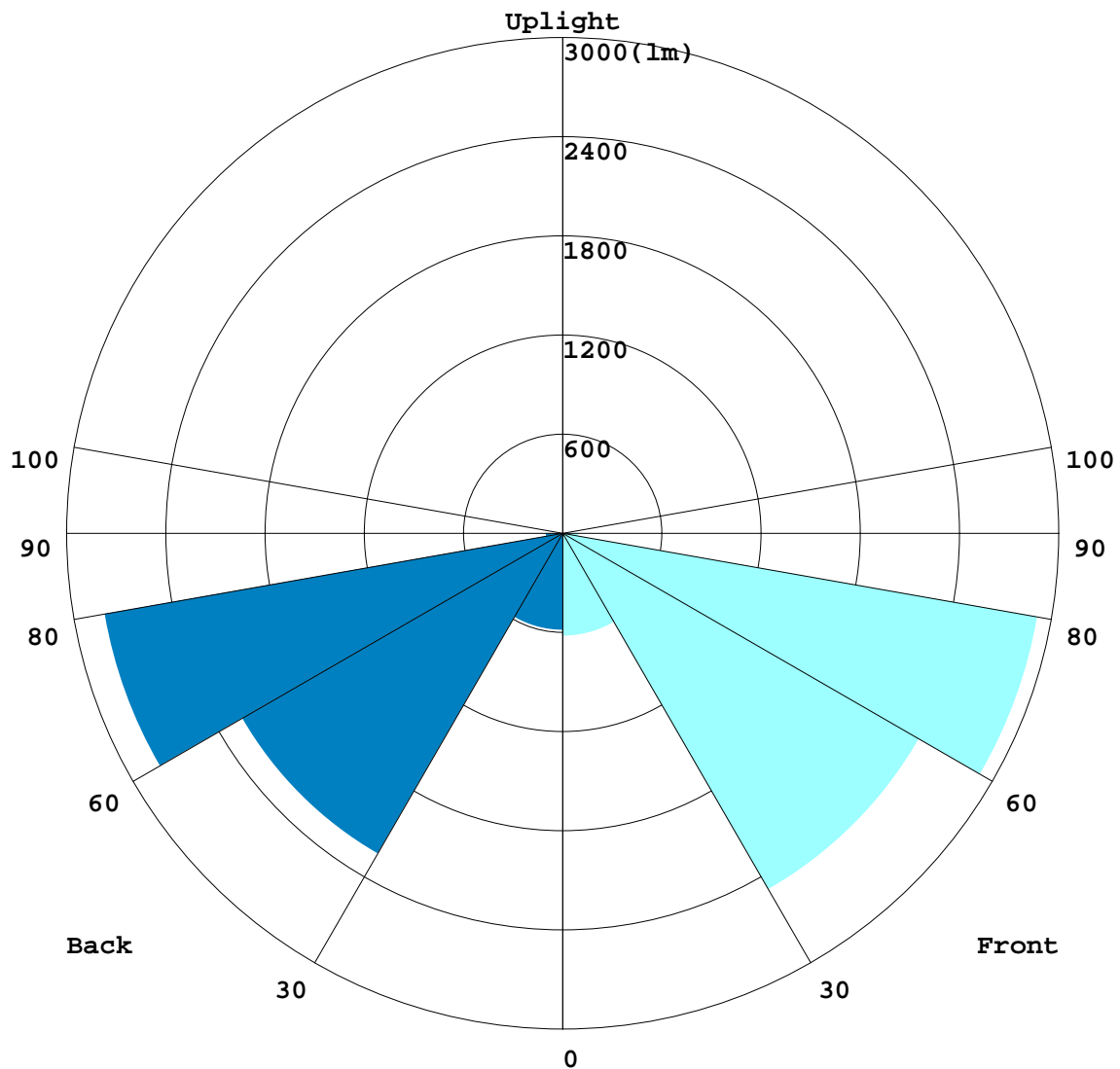
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:479.1V I:0.1695A P:73.44W PF:0.9045 Freq:60.01Hz Lamp Flux:11857.9x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-75WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:479.1V I:0.1695A P:73.44W PF:0.9045 Freq:60.01Hz Lamp Flux:11857.9x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-75WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	621.1	5.2
FM - Front-Medium(30-60)	2488.1	21.0
FH - Front-High(60-80)	2915.4	24.6
FVH - Front-Very High(80-90)	95.338	0.8
Total Forward Light	6119.9	51.6

BL - Back-Low(0-30)	585.4	4.9
BM - Back-Medium(30-60)	2237.6	18.9
BH - Back-High(60-80)	2813.1	23.7
BVH - Back-Very High(80-90)	101.91	0.9
Total Back Light	5738	48.4

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-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5738	0	5738
Street Side	6119.9	0	6119.9

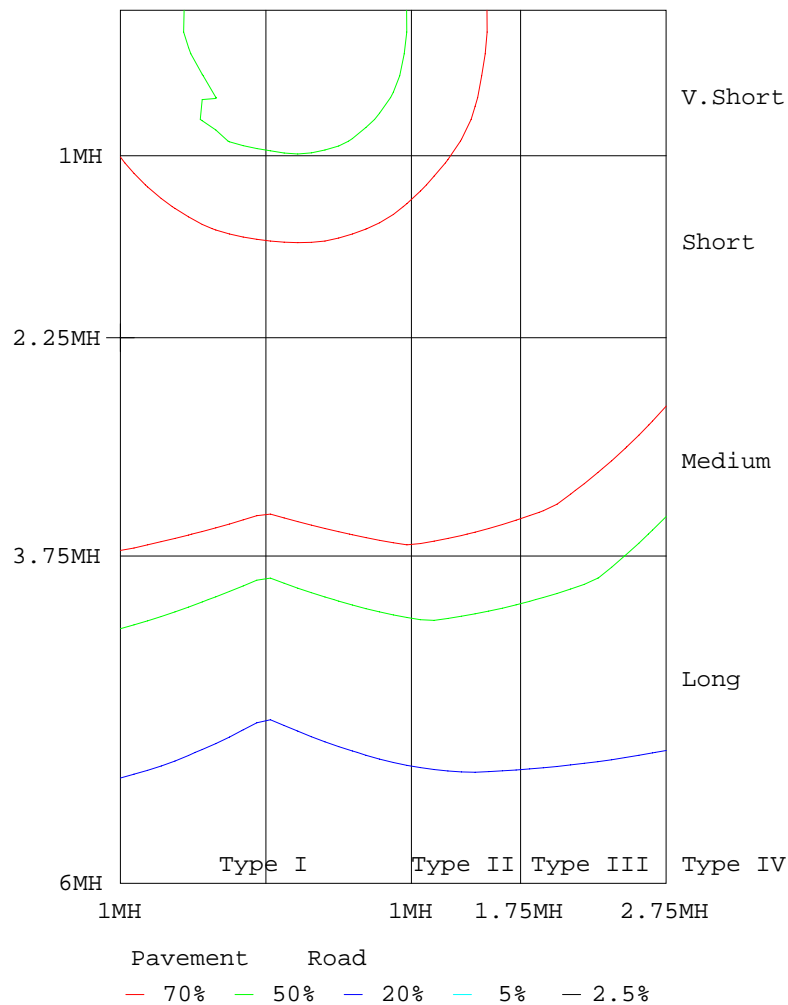
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:479.1V I:0.1695A P:73.44W PF:0.9045 Freq:60.01Hz Lamp Flux:11857.9x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-75WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:479.1V I:0.1695A P:73.44W PF:0.9045 Freq:60.01Hz Lamp Flux:11857.9x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-75WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	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	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320
5	1319	1321	1324	1328	1331	1334	1336	1334	1331	1328	1324	1321	1319	1314	1311	1310	1309	1309	1311
10	1320	1327	1336	1344	1352	1358	1364	1358	1352	1344	1336	1327	1320	1314	1309	1309	1305	1308	1311
15	1339	1349	1364	1379	1394	1405	1418	1405	1394	1379	1364	1349	1339	1329	1322	1322	1320	1326	1331
20	1378	1393	1416	1438	1463	1481	1501	1481	1463	1438	1416	1393	1378	1368	1360	1361	1358	1365	1372
25	1440	1463	1504	1536	1567	1588	1620	1588	1567	1536	1504	1463	1440	1428	1425	1431	1426	1431	1441
30	1576	1623	1691	1725	1765	1785	1838	1785	1765	1725	1691	1623	1576	1547	1542	1557	1555	1581	1608
35	1721	1759	1794	1836	1871	1918	1941	1918	1871	1836	1794	1759	1721	1686	1651	1639	1634	1645	1662
40	1726	1752	1784	1816	1841	1884	1928	1884	1841	1816	1784	1752	1726	1696	1671	1665	1666	1689	1708
45	1818	1836	1872	1910	1961	2029	2106	2029	1961	1910	1872	1836	1818	1786	1756	1757	1771	1811	1829
50	1990	2016	2071	2130	2209	2316	2449	2316	2209	2130	2071	2016	1990	1946	1912	1926	1943	2006	2028
55	2279	2324	2417	2509	2638	2793	2995	2793	2638	2509	2417	2324	2279	2219	2184	2214	2235	2327	2358
60	2709	2782	2917	3046	3207	3387	3630	3387	3207	3046	2917	2782	2709	2637	2610	2675	2700	2824	2868
65	3273	3355	3460	3584	3706	3865	4004	3865	3706	3584	3460	3355	3273	3215	3191	3260	3278	3377	3404
70	3472	3545	3596	3647	3611	3602	3438	3602	3611	3647	3596	3545	3472	3496	3555	3610	3597	3576	3407
75	2035	2629	2593	2514	2321	2068	1263	2068	2321	2514	2593	2629	2035	2604	2743	2704	2562	2258	1505
80	301	648	810	666	655	427	193	427	655	666	810	648	301	549	811	673	690	382	289
85	122	148	189	126	162	113	92.9	113	162	126	189	148	122	159	209	172	232	191	136
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:2022-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:479.1V I:0.1695A P:73.44W PF:0.9045 Freq:60.01Hz Lamp Flux:11857.9x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-75WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1320	1320	1320	1320	1320														
5	1309	1309	1310	1311	1314														
10	1308	1305	1309	1309	1314														
15	1326	1320	1322	1322	1329														
20	1365	1358	1361	1360	1368														
25	1431	1426	1431	1425	1428														
30	1581	1555	1557	1542	1547														
35	1645	1634	1639	1651	1686														
40	1689	1666	1665	1671	1696														
45	1811	1771	1757	1756	1786														
50	2006	1943	1926	1912	1946														
55	2327	2235	2214	2184	2219														
60	2824	2700	2675	2610	2637														
65	3377	3278	3260	3191	3215														
70	3576	3597	3610	3555	3496														
75	2258	2562	2704	2743	2604														
80	382	690	673	811	549														
85	191	232	172	209	159														
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:2022-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks: