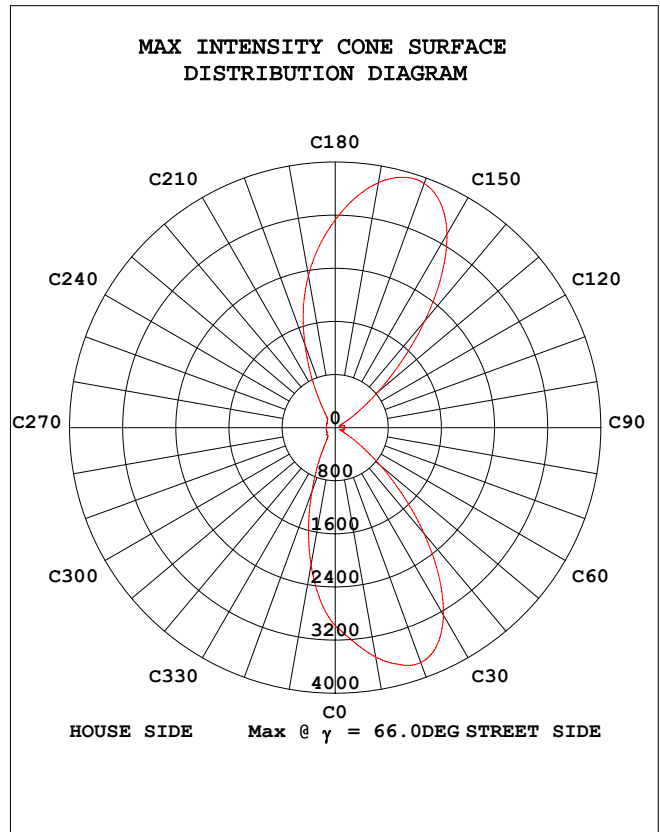
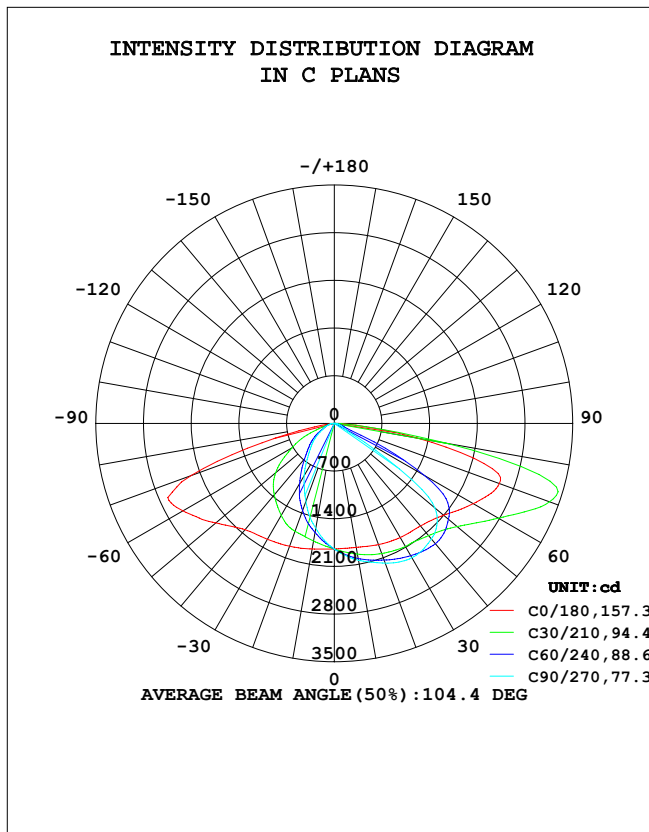


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.2315A P:50.11W PF:0.9868 Freq:60.01Hz Lamp Flux:7278.31x1 lm		
NAME: AOK iLB	TYPE:	WEIGHT:
SPEC.:AOK-50WiLB-NV-L3-00-5070-T301	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.25 lm/W			
MODEL	3030	I _{max} (cd)	3904	η street_up(%)	0.0
NOMINAL POWER(W)	50	LOR(%)	100.0	η street_down(%)	68.4
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	7278	η house_up(%)	0.0
NOMINAL FLUX(lm)	7278.31	MAXIMUM @ (C,γ)	165,66.0	η house_down(%)	31.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.549

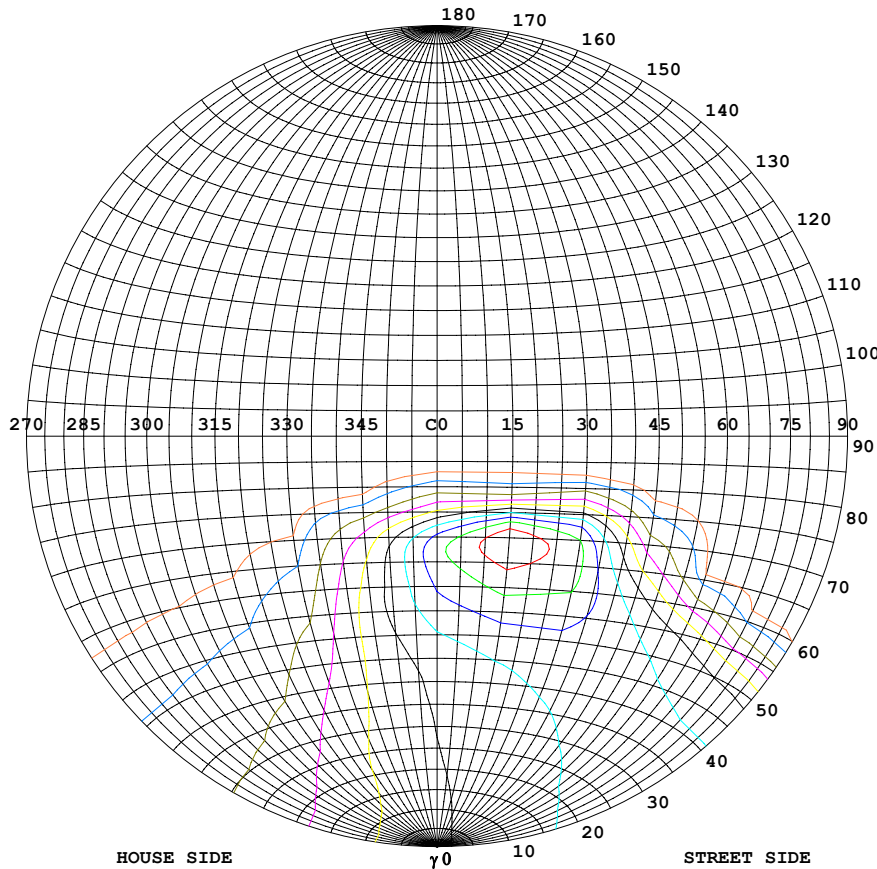


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-22

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:219.3V I:0.2315A P:50.11W PF:0.9868 Freq:60.01Hz Lamp Flux:7278.31x1 lm		
NAME: AOK iLB	TYPE:	WEIGHT:
SPEC.:AOK-50WiLB-NV-L3-00-5070-T301	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:



Classification:

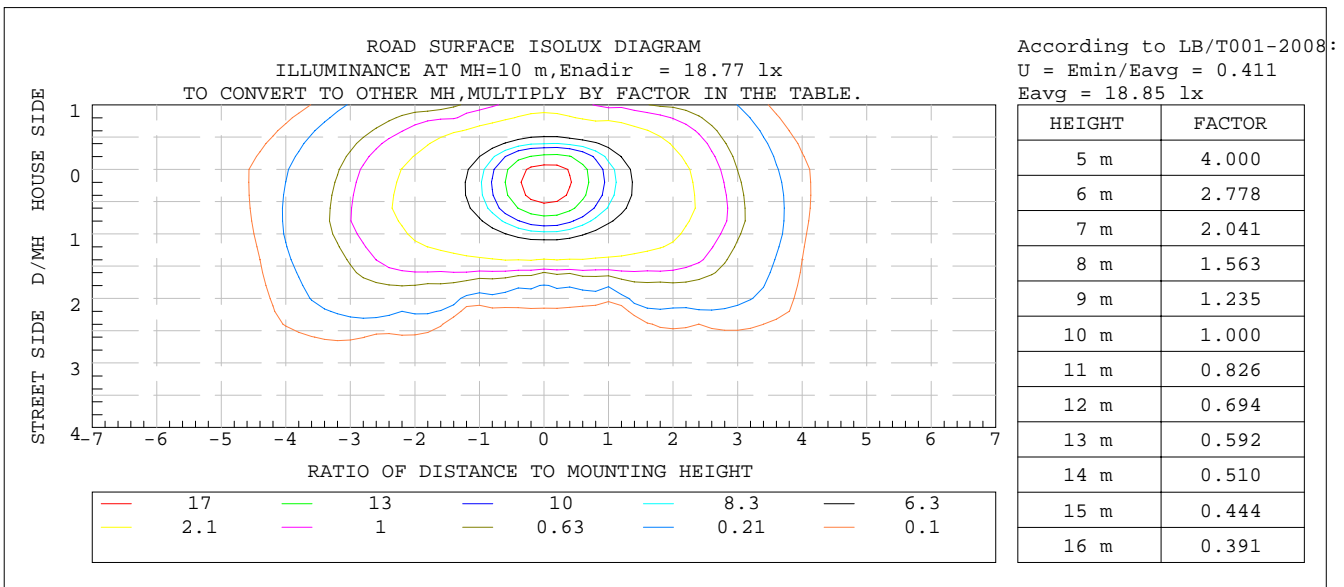
IES:Type III - Short
 CIE:Narrow - Intermediate
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:90.28cd/klm
 Max.At90:0cd/klm
 Max.80-90:90.28cd/klm
 NRB 5101:Semi limited[25.8%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3904
90%	3514
80%	3123
70%	2733
60%	2342
50%	1952
40%	1562
30%	1171
20%	781
10%	390
5%	195

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-22

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: 2022-08-22

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:219.3V I:0.2315A P:50.11W PF:0.9868 Freq:60.01Hz Lamp Flux:7278.31x1 lm		
NAME: AOK iLB	TYPE:	WEIGHT:
SPEC.:AOK-50WiLB-NV-L3-00-5070-T301	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

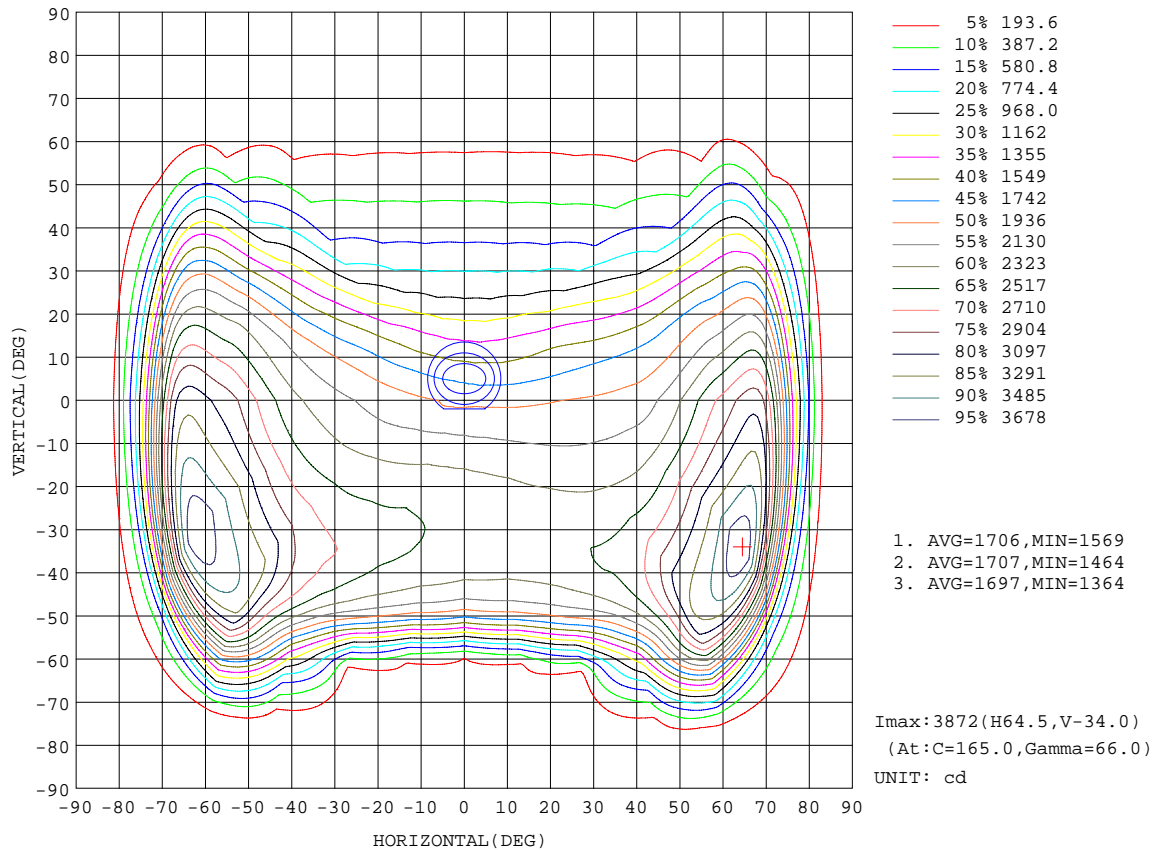
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	1872	2077	2181	2137	1942	1670	1505	1620	0- 10	179.5	179.5	2.47,2.47
20	1903	2222	2401	2336	2041	1468	1094	1399	10- 20	528.9	708.4	9.73,9.73
30	1941	2346	2466	2513	2171	1170	770.7	1107	20- 30	850.7	1559	21.4,21.4
40	2009	2471	2366	2682	2362	804.2	504.8	755.1	30- 40	1123	2682	36.8,36.8
50	2290	2501	1775	2703	2762	506.3	313.0	482.7	40- 50	1340	4021	55.3,55.3
60	2743	2129	190.1	2223	3104	279.9	170.2	268.4	50- 60	1393	5415	74.4,74.4
70	2800	1007	100.7	864.4	2402	127.5	100.3	130.5	60- 70	1224	6639	91.2,91.2
80	551.9	95.90	44.52	71.99	300.0	41.11	52.18	52.45	70- 80	588.7	7228	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	50.53	7278	100,100
100	0	0	0	0	0	0	0	0	90-100	0	7278	100,100
110	0	0	0	0	0	0	0	0	100-110	0	7278	100,100
120	0	0	0	0	0	0	0	0	110-120	0	7278	100,100
130	0	0	0	0	0	0	0	0	120-130	0	7278	100,100
140	0	0	0	0	0	0	0	0	130-140	0	7278	100,100
150	0	0	0	0	0	0	0	0	140-150	0	7278	100,100
160	0	0	0	0	0	0	0	0	150-160	0	7278	100,100
170	0	0	0	0	0	0	0	0	160-170	0	7278	100,100
180	0	0	0	0	0	0	0	0	170-180	0	7278	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:2022-08-22

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:

ISOCANDELA DIAGRAM

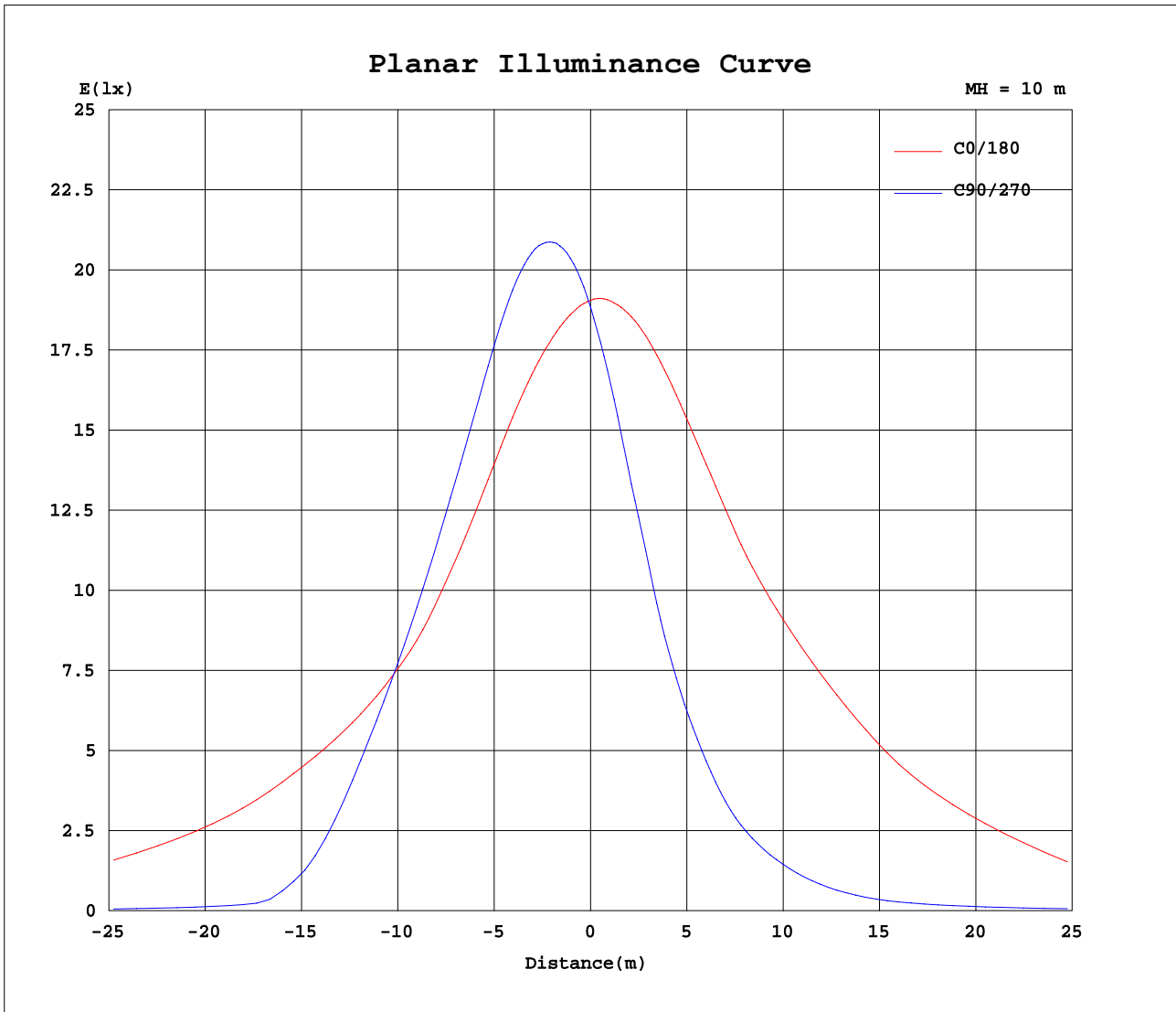
Test:U:219.3V I:0.2315A P:50.11W PF:0.9868 Freq:60.01Hz Lamp Flux:7278.31x1 lm		
NAME: AOK iLB	TYPE:	WEIGHT:
SPEC.:AOK-50WiLB-NV-L3-00-5070-T301	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-08-22

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



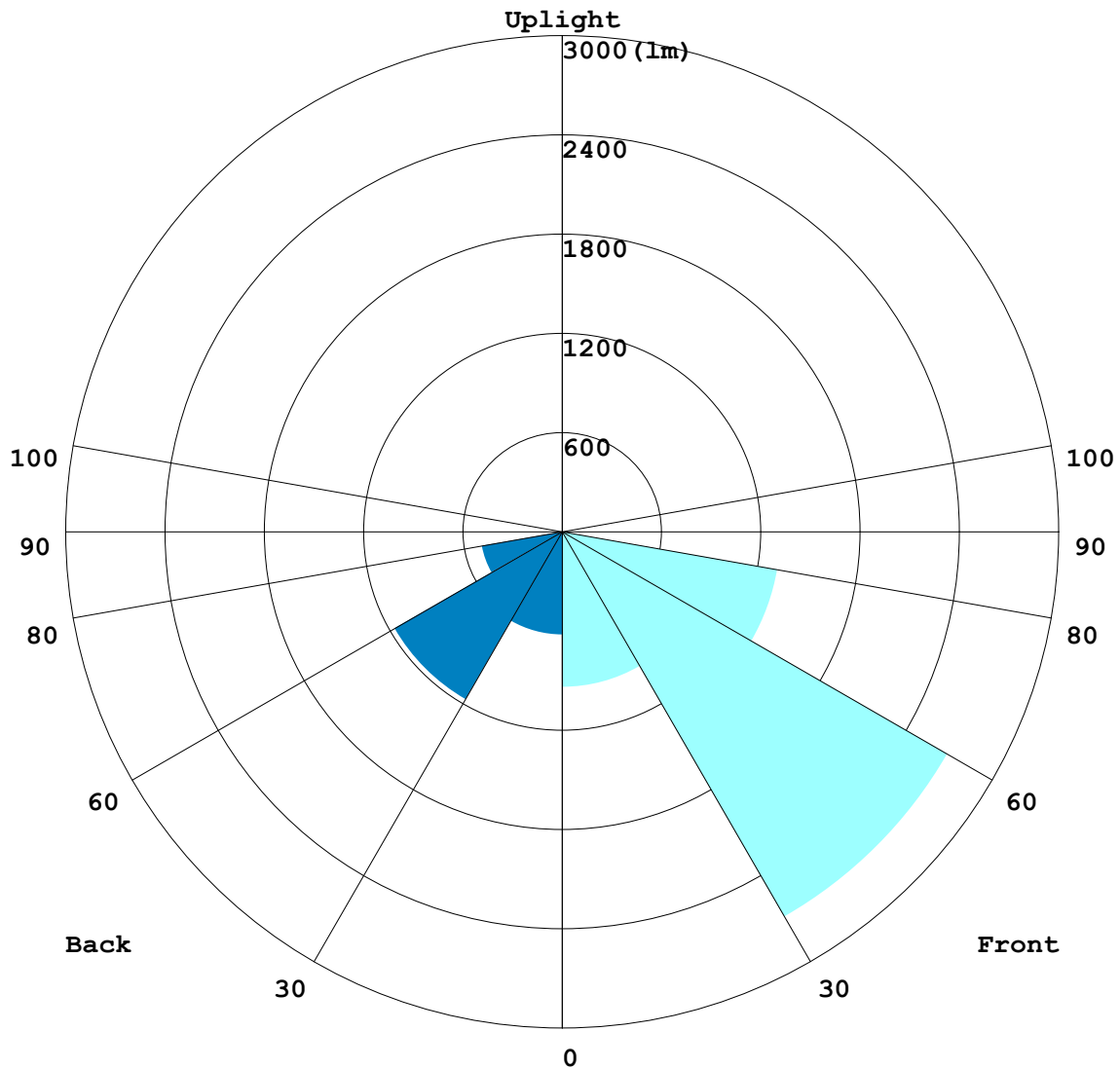
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-08-22

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:219.3V I:0.2315A P:50.11W PF:0.9868 Freq:60.01Hz Lamp Flux:7278.31x1 lm		
NAME: AOK iLB	TYPE:	WEIGHT:
SPEC.:AOK-50WiLB-NV-L3-00-5070-T301	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-22

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:219.3V I:0.2315A P:50.11W PF:0.9868 Freq:60.01Hz Lamp Flux:7278.31x1 lm		
NAME: AOK iLB	TYPE:	WEIGHT:
SPEC.:AOK-50WiLB-NV-L3-00-5070-T301	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	937.69	12.9
FM - Front-Medium(30-60)	2686.8	36.9
FH - Front-High(60-80)	1320.8	18.1
FVH - Front-Very High(80-90)	33.958	0.5
Total Forward Light	4979.3	68.4

BL - Back-Low(0-30)	621.35	8.5
BM - Back-Medium(30-60)	1168.8	16.1
BH - Back-High(60-80)	492.34	6.8
BVH - Back-Very High(80-90)	16.572	0.2
Total Back Light	2299	31.6

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	2299	0	2299
Street Side	4979.3	0	4979.3

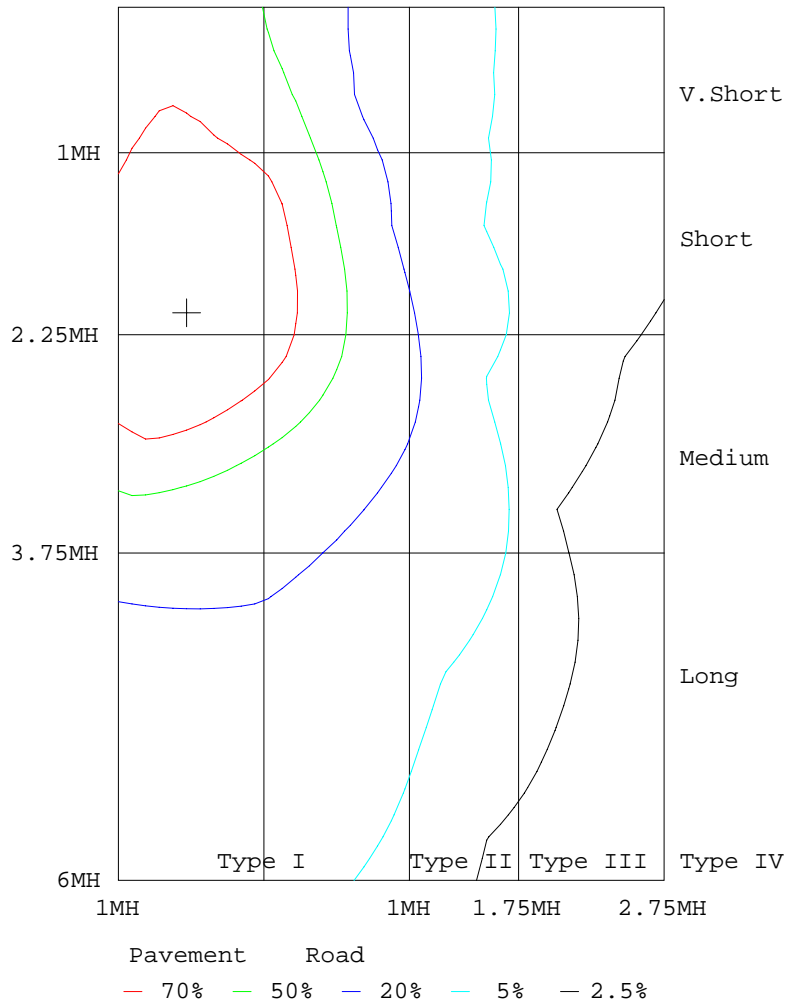
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-22

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:219.3V I:0.2315A P:50.11W PF:0.9868 Freq:60.01Hz Lamp Flux:7278.31x1 lm		
NAME: AOK iLB	TYPE:	WEIGHT:
SPEC.:AOK-50WiLB-NV-L3-00-5070-T301	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-22

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:219.3V I:0.2315A P:50.11W PF:0.9868 Freq:60.01Hz Lamp Flux:7278.31x1 lm		
NAME: AOK iLB	TYPE:	WEIGHT:
SPEC.:AOK-50WiLB-NV-L3-00-5070-T301	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

Table--1

UNIT: 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	1884	1884	1884	1884	1884	1884	1884	1884	1884	1884	1884	1884	1884	1884	1884	1884	1884	1884	1884
5	1871	1912	1952	1987	2013	2034	2042	2047	2035	2018	1988	1950	1908	1862	1819	1776	1743	1718	1707
10	1872	1947	2017	2077	2125	2163	2181	2186	2167	2137	2085	2020	1942	1855	1763	1670	1589	1530	1505
15	1884	1981	2070	2155	2224	2278	2303	2311	2287	2242	2172	2091	1988	1867	1718	1562	1434	1343	1307
20	1903	2014	2118	2222	2308	2372	2401	2418	2391	2336	2253	2160	2041	1886	1680	1468	1270	1143	1094
25	1922	2047	2165	2284	2376	2433	2458	2490	2479	2426	2336	2235	2101	1919	1655	1325	1093	953	920
30	1941	2087	2216	2346	2425	2451	2466	2520	2545	2513	2423	2321	2171	1959	1598	1170	900	795	771
35	1970	2141	2278	2409	2441	2431	2443	2507	2575	2599	2527	2428	2256	2009	1521	997	738	645	622
40	2009	2216	2364	2471	2420	2375	2366	2445	2556	2682	2659	2553	2362	2065	1436	804	589	521	505
45	2114	2333	2479	2519	2360	2246	2186	2299	2481	2738	2817	2761	2542	2130	1353	635	480	424	410
50	2290	2557	2631	2501	2222	1944	1775	1971	2309	2703	3012	3032	2762	2198	1222	506	386	328	313
55	2527	2858	2857	2407	1859	1219	913	1177	1861	2587	3251	3327	2964	2212	1016	398	286	236	224
60	2743	3220	3115	2129	1042	369	190	362	924	2223	3430	3602	3104	2134	782	280	197	175	170
65	2950	3604	3252	1575	278	141	132	140	197	1549	3416	3889	3173	1936	529	182	149	143	141
70	2800	3797	3108	1007	125	105	101	103	119	864	2855	3409	2402	1385	254	127	119	107	100
75	1622	2324	2042	437	83.4	74.2	71.5	71.2	78.0	330	1482	1467	1007	478	108	86.6	82.6	73.1	75.0
80	552	460	657	95.9	50.1	44.9	44.5	42.2	45.7	72.0	292	255	300	110	49.2	41.1	47.7	49.3	52.2
85	82.5	83.9	100.0	37.5	23.7	19.2	17.7	17.3	18.6	26.6	49.7	38.6	32.8	20.8	18.7	18.9	22.1	24.7	25.8
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:2022-08-22

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:219.3V I:0.2315A P:50.11W PF:0.9868 Freq:60.01Hz Lamp Flux:7278.31x1 lm		
NAME: AOK iLB	TYPE:	WEIGHT:
SPEC.:AOK-50WiLB-NV-L3-00-5070-T301	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1884	1884	1884	1884	1884														
5	1709	1725	1753	1787	1828														
10	1510	1552	1620	1702	1788														
15	1320	1389	1497	1628	1766														
20	1121	1226	1399	1579	1754														
25	944	1060	1258	1533	1751														
30	793	883	1107	1445	1747														
35	644	729	936	1329	1740														
40	521	583	755	1207	1735														
45	423	476	601	1066	1737														
50	326	378	483	917	1769														
55	238	282	374	733	1788														
60	177	199	268	554	1720														
65	145	151	179	391	1597														
70	111	122	130	226	1300														
75	76.1	85.7	95.8	113	613														
80	52.5	52.8	52.4	65.8	124														
85	28.0	27.7	24.6	26.0	32.5														
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:2022-08-22

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: