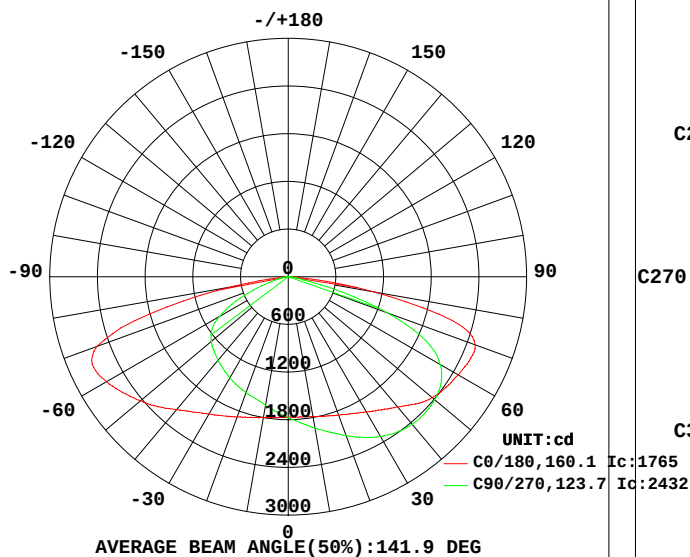
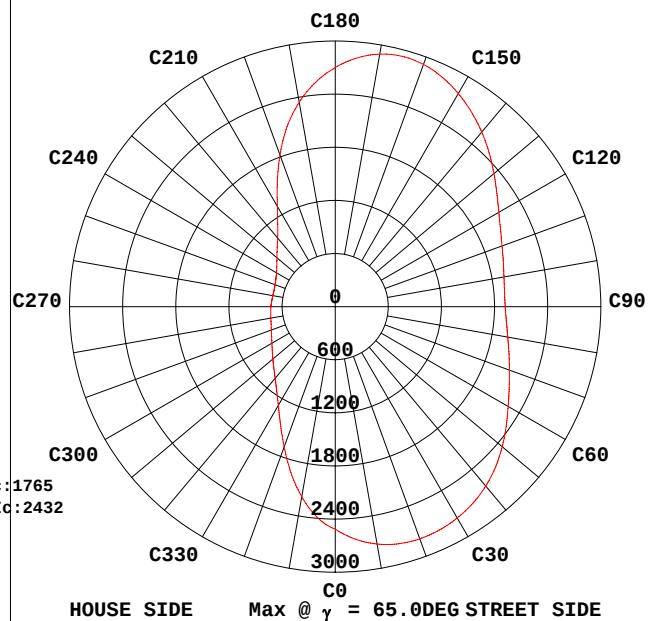


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.2810A P:59.54W PF:0.9660 Freq:60.01Hz Lamp Flux:9165.58x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-60WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 153.93 lm/W			
MODEL	3030	I _{max} (cd)	2928	η street_up(%)	0.0
NOMINAL POWER(W)	60	LOR(%)	100.0	η street_down(%)	62.6
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	9166	η house_up(%)	0.0
NOMINAL FLUX(lm)	9165.58	MAXIMUM @(C,γ)	165,65.0	η house_down(%)	37.4
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.616

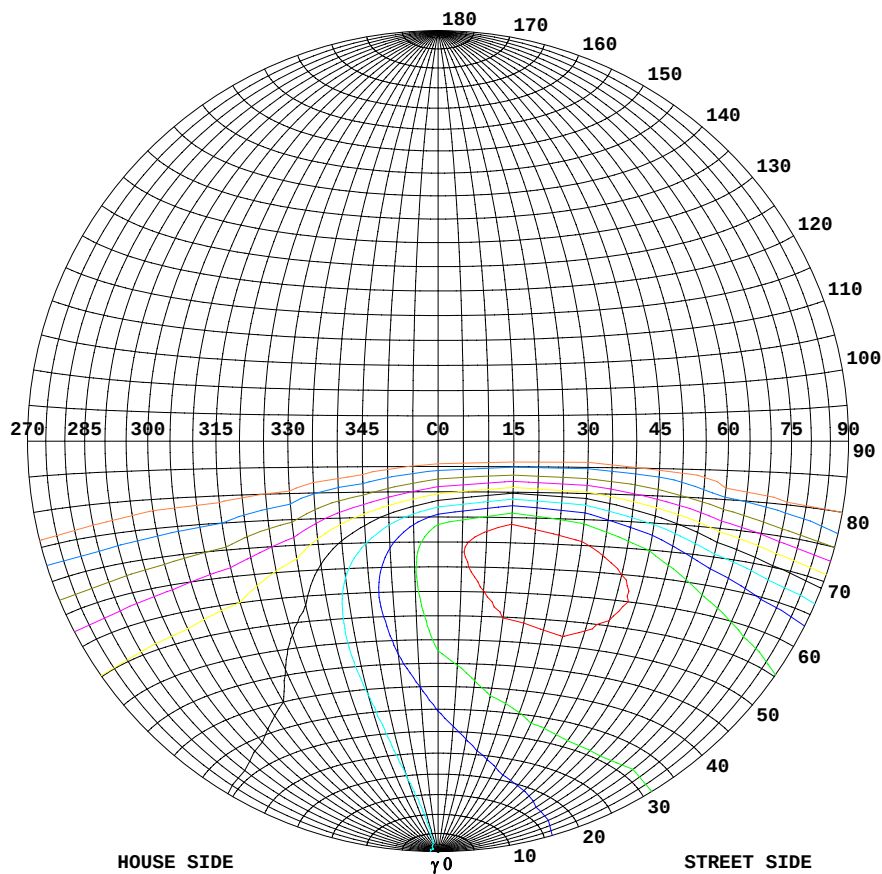
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-07-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.3V I:0.2810A P:59.54W PF:0.9660 Freq:60.01Hz Lamp Flux:9165.58x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-60WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:



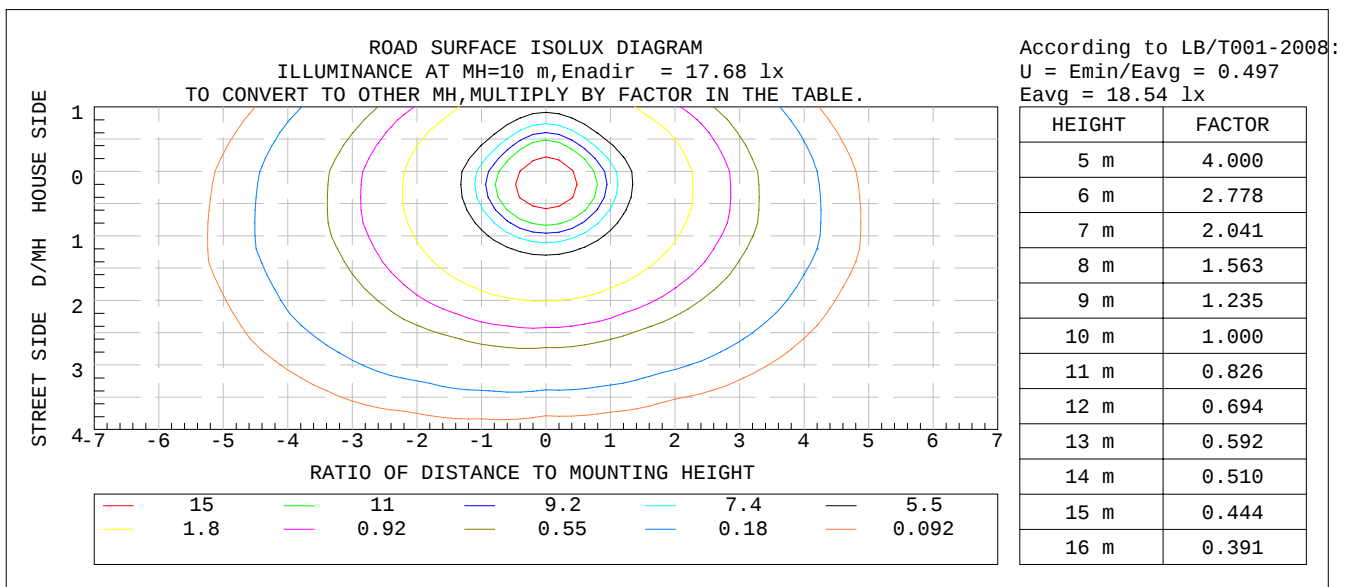
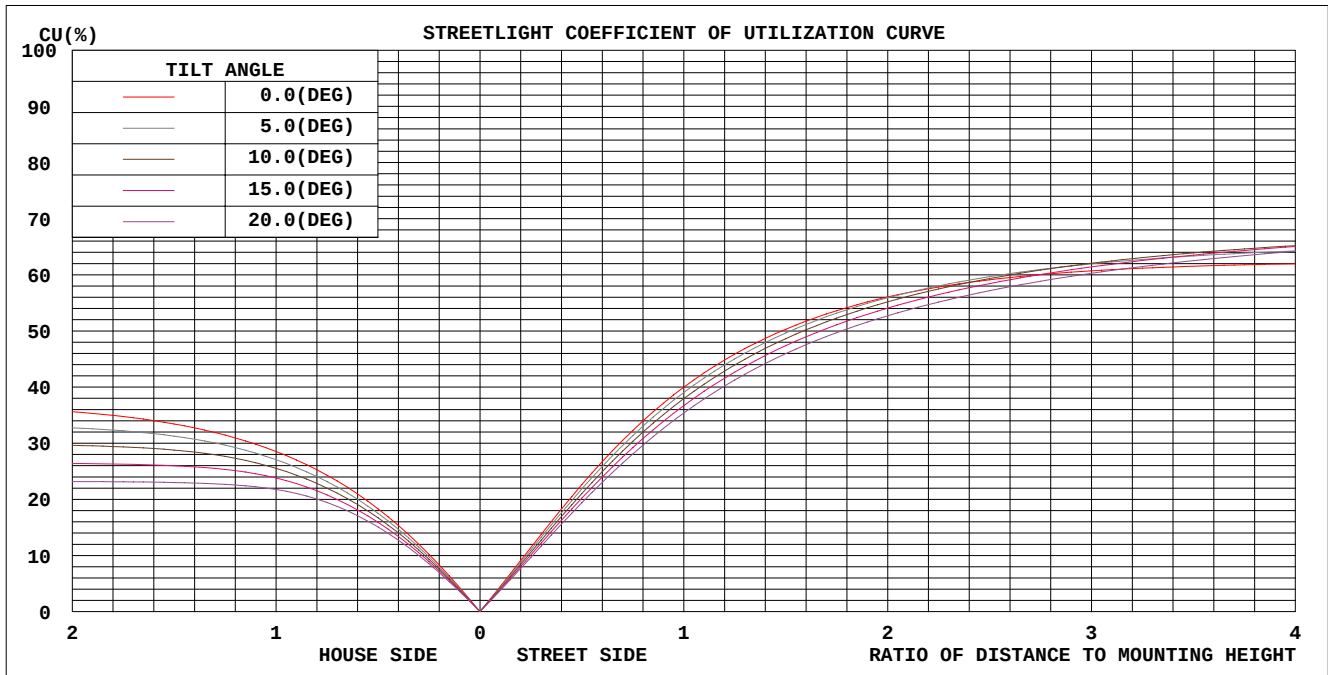
Classification:

IES:Type III - Short
CIE:Average - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:153.9cd/klm
Max.At90:0cd/klm
Max.80-90:153.9cd/klm
NRB 5101:Semi limited[25.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2928
90%	2635
80%	2342
70%	2049
60%	1757
50%	1464
40%	1171
30%	878
20%	586
10%	293
5%	146

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_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: 2022-07-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.3V I:0.2810A P:59.54W PF:0.9660 Freq:60.01Hz Lamp Flux:9165.58x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-60WILA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

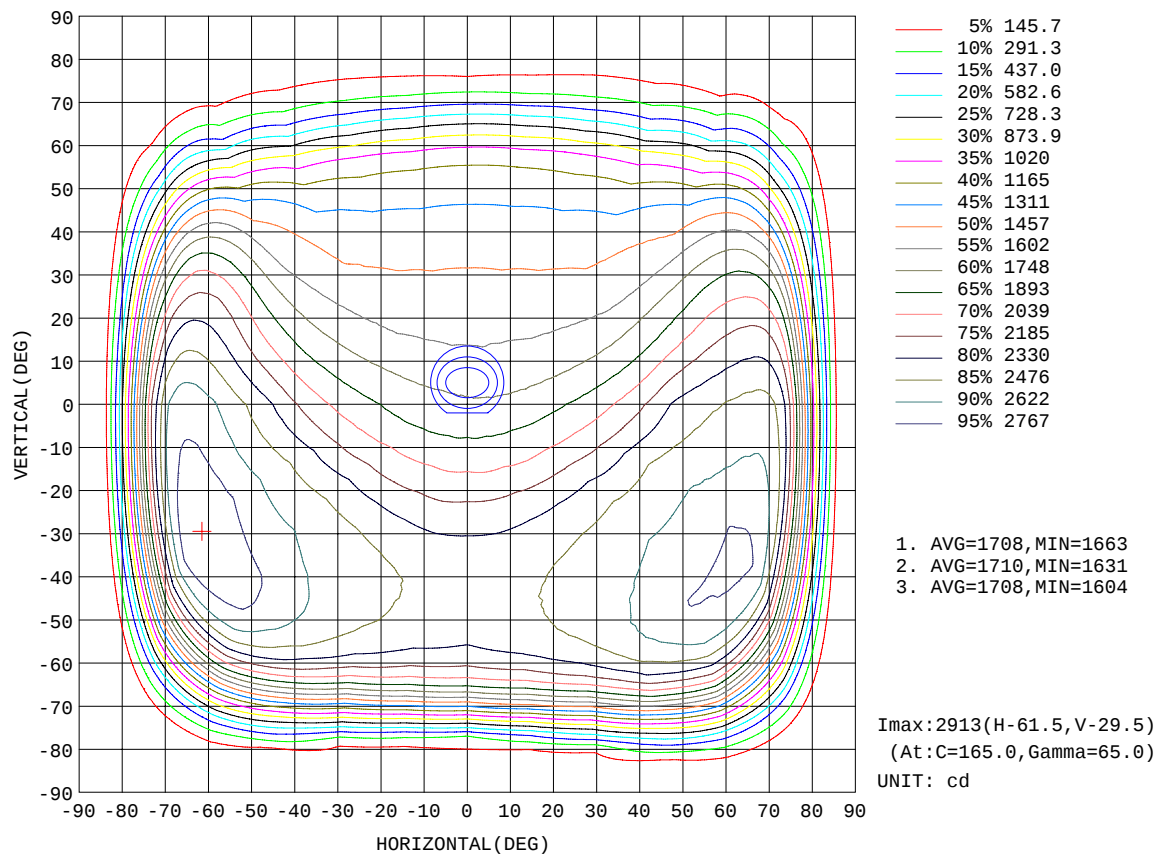
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum,lamp
10	1787	1892	1932	1903	1799	1691	1643	1686	0- 10	170.2	170.2	1.86,1.86
20	1854	2069	2124	2088	1880	1617	1551	1613	10- 20	516.5	686.7	7.49,7.49
30	1964	2307	2322	2324	1995	1547	1469	1544	20- 30	877.6	1564	17.1,17.1
40	2138	2481	2425	2513	2183	1474	1372	1468	30- 40	1242	2806	30.6,30.6
50	2366	2566	2405	2590	2427	1375	1266	1370	40- 50	1572	4378	47.8,47.8
60	2472	2617	2208	2601	2640	1167	998.7	1176	50- 60	1816	6194	67.6,67.6
70	2504	2331	1318	2075	2563	542.6	411.1	624.3	60- 70	1794	7987	87.1,87.1
80	1075	765.6	144.7	483.5	712.7	89.76	77.28	117.2	70- 80	1052	9039	98.6,98.6
90	0	0	0	0	0	0	0	0	80- 90	126.4	9166	100,100
100	0	0	0	0	0	0	0	0	90-100	0	9166	100,100
110	0	0	0	0	0	0	0	0	100-110	0	9166	100,100
120	0	0	0	0	0	0	0	0	110-120	0	9166	100,100
130	0	0	0	0	0	0	0	0	120-130	0	9166	100,100
140	0	0	0	0	0	0	0	0	130-140	0	9166	100,100
150	0	0	0	0	0	0	0	0	140-150	0	9166	100,100
160	0	0	0	0	0	0	0	0	150-160	0	9166	100,100
170	0	0	0	0	0	0	0	0	160-170	0	9166	100,100
180	0	0	0	0	0	0	0	0	170-180	0	9166	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:2022-07-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

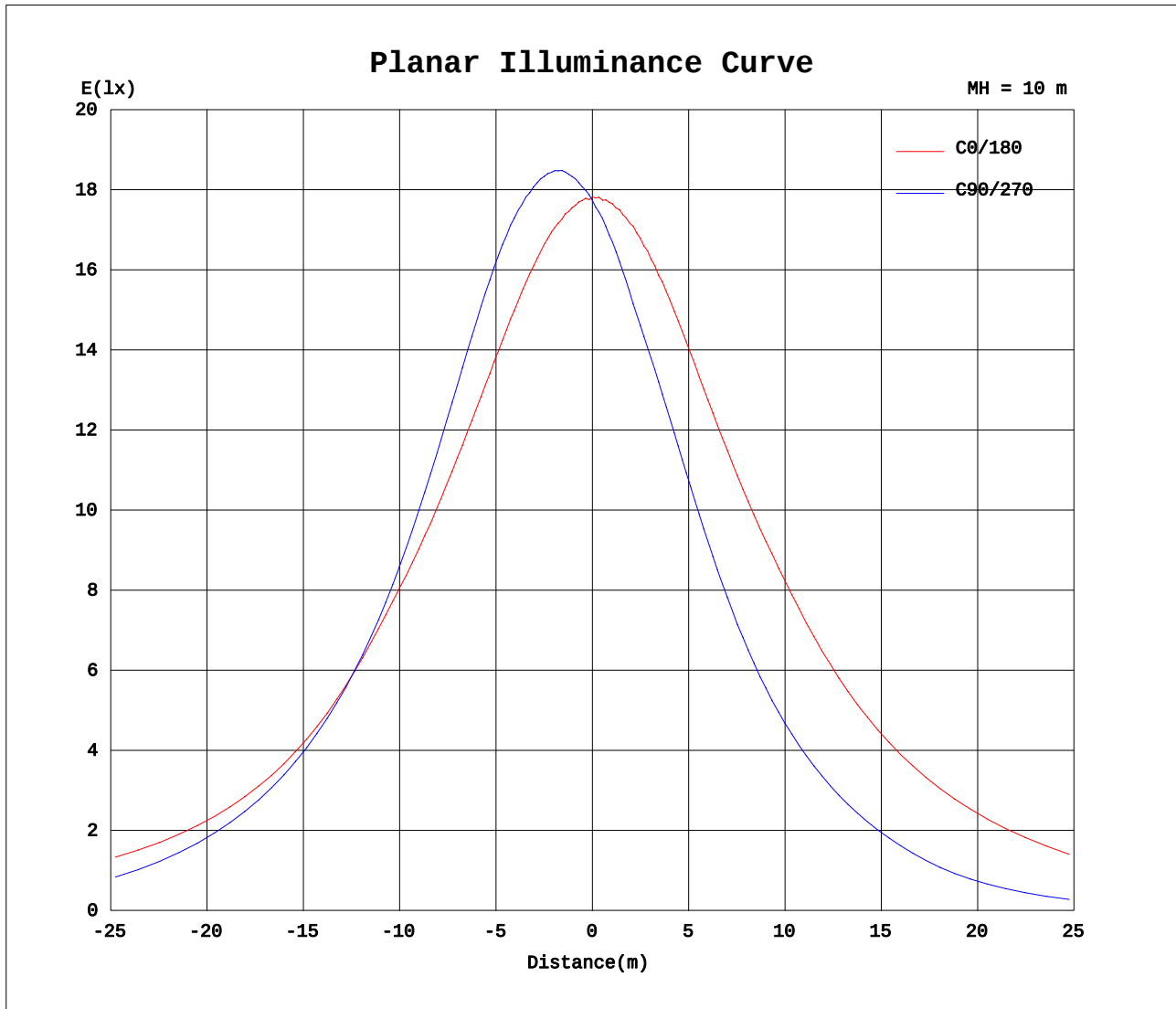
Test:U:219.3V I:0.2810A P:59.54W PF:0.9660 Freq:60.01Hz Lamp Flux:9165.58x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-60WILA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



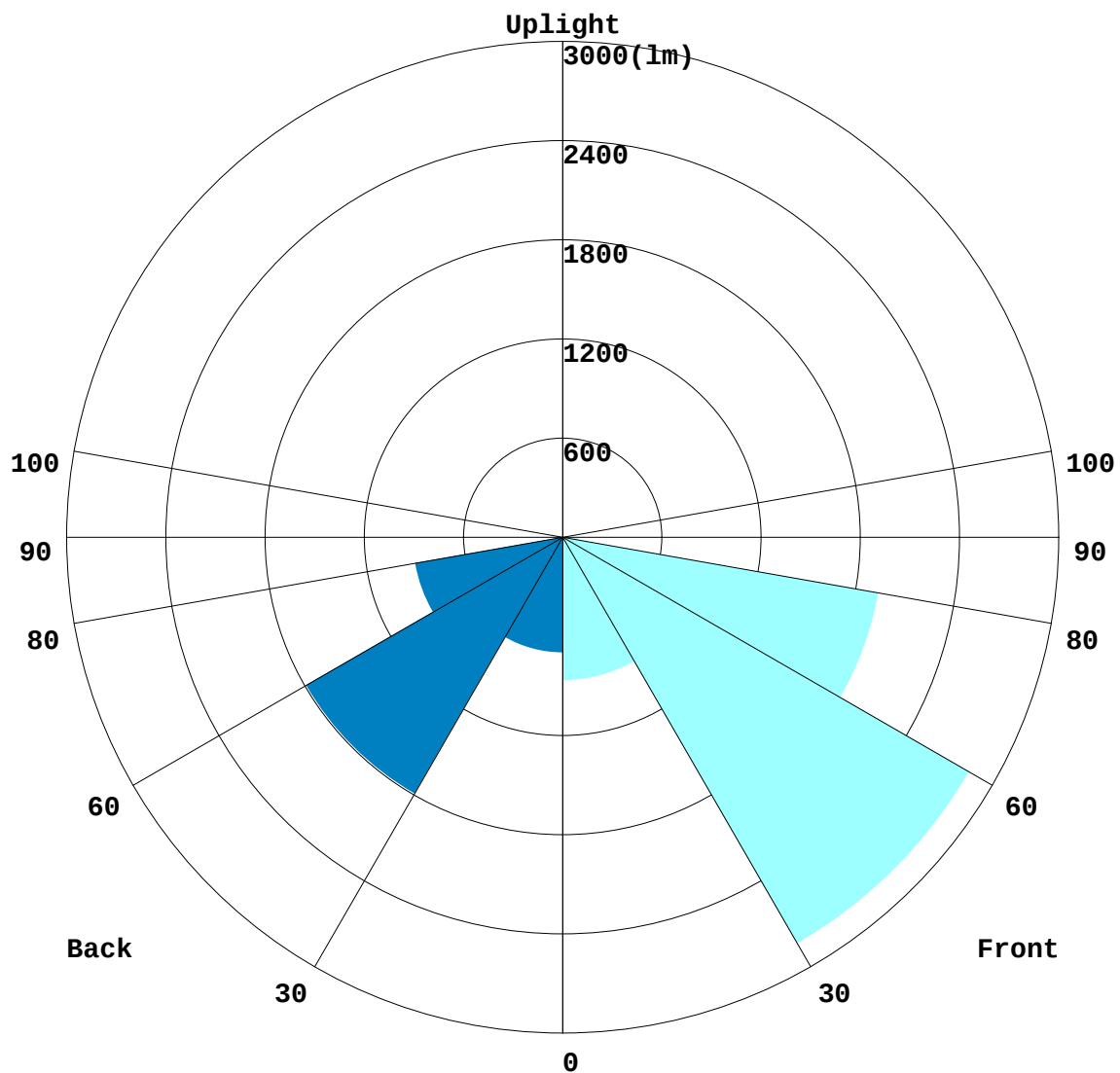
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-07-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.3V I:0.2810A P:59.54W PF:0.9660 Freq:60.01Hz Lamp Flux:9165.58x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-60WiLA-NVS-L3-00-4070-T3	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:2022-07-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.3V I:0.2810A P:59.54W PF:0.9660 Freq:60.01Hz Lamp Flux:9165.58x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-60WILA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	866.37	9.5
FM - Front-Medium(30-60)	2838.2	31.0
FH - Front-High(60-80)	1939.3	21.2
FVH - Front-Very High(80-90)	97.015	1.1
Total Forward Light	5740.9	62.6

BL - Back-Low(0-30)	697.92	7.6
BM - Back-Medium(30-60)	1791.5	19.5
BH - Back-High(60-80)	905.9	9.9
BVH - Back-Very High(80-90)	29.377	0.3
Total Back Light	3424.7	37.4

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

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3424.7	0	3424.7
Street Side	5740.9	0	5740.9

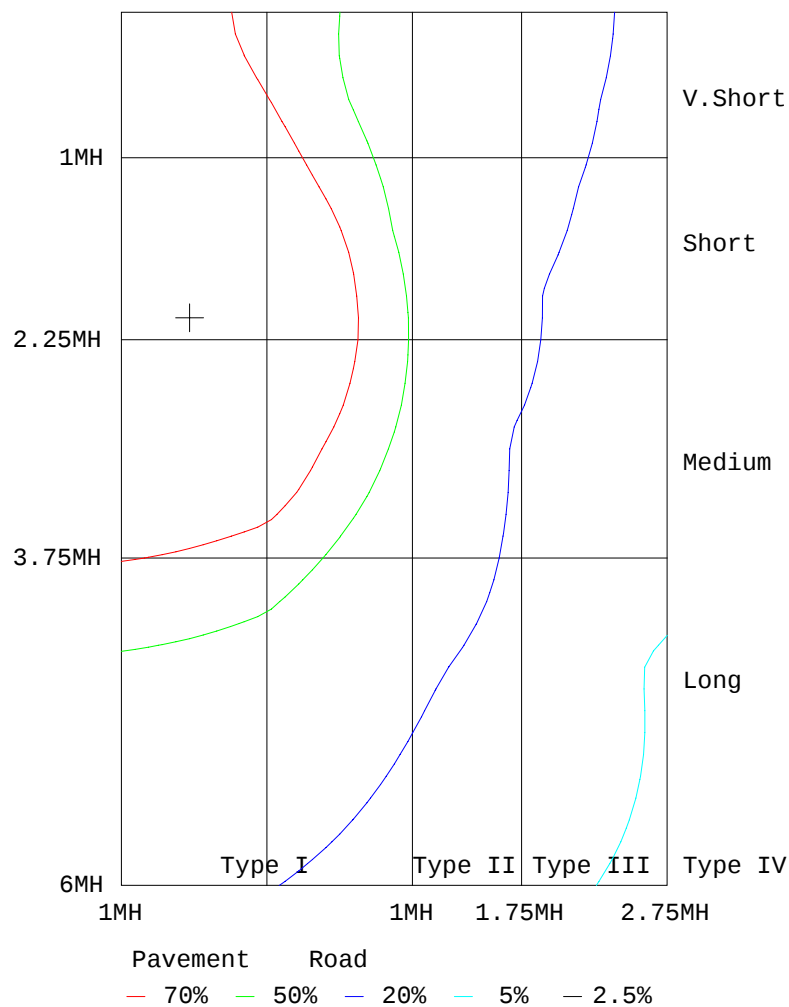
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.2810A P:59.54W PF:0.9660 Freq:60.01Hz Lamp Flux:9165.58x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-60WiLA-NVS-L3-00-4070-T3	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:2022-07-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_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:0.2810A P:59.54W PF:0.9660 Freq:60.01Hz Lamp Flux:9165.58x1 lm																		
NAME: ILA									TYPE:					WEIGHT:				
SPEC.:AOK-60WiLA-NVS-L3-00-4070-T3									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	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772	1772
5	1770	1795	1808	1819	1837	1847	1847	1847	1841	1829	1813	1803	1778	1768	1742	1728	1720	1713	1705
10	1787	1830	1860	1892	1913	1929	1932	1933	1925	1903	1877	1843	1799	1767	1724	1691	1665	1652	1643
15	1816	1879	1928	1969	2002	2020	2026	2026	2014	1990	1951	1903	1831	1776	1706	1653	1614	1598	1589
20	1854	1946	2015	2069	2103	2123	2124	2126	2115	2088	2043	1973	1880	1789	1691	1617	1573	1559	1551
25	1901	2028	2125	2186	2224	2233	2231	2233	2226	2200	2150	2062	1931	1809	1676	1579	1535	1521	1511
30	1964	2129	2250	2307	2320	2325	2322	2323	2330	2324	2278	2160	1995	1834	1659	1547	1494	1477	1469
35	2046	2244	2368	2404	2403	2395	2385	2403	2418	2431	2404	2290	2079	1862	1646	1507	1452	1430	1423
40	2138	2384	2468	2481	2456	2432	2425	2449	2478	2513	2506	2422	2183	1901	1630	1474	1403	1377	1372
45	2266	2497	2542	2527	2486	2455	2431	2462	2509	2559	2582	2533	2314	1954	1616	1428	1352	1329	1320
50	2366	2567	2603	2566	2501	2445	2405	2443	2511	2590	2649	2628	2427	2023	1596	1375	1290	1267	1266
55	2424	2635	2658	2595	2499	2413	2347	2393	2484	2617	2718	2735	2543	2114	1564	1295	1199	1174	1173
60	2472	2702	2721	2617	2433	2292	2208	2257	2386	2601	2790	2846	2640	2171	1485	1167	1054	996	999
65	2511	2772	2755	2561	2255	2031	1919	1966	2133	2459	2780	2928	2701	2106	1307	930	767	716	728
70	2504	2792	2663	2331	1818	1499	1318	1389	1599	2075	2535	2820	2563	1790	931	543	442	402	411
75	2139	2466	2235	1704	1075	752	582	648	844	1301	1816	2155	1798	1092	410	237	203	186	177
80	1075	1411	1226	766	342	161	145	135	181	483	754	901	713	309	113	89.8	91.1	75.9	77.3
85	192	281	256	108	52.6	32.9	23.0	23.7	31.6	44.1	90.4	67.8	49.4	21.9	17.2	14.9	18.8	17.1	19.4
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:2022-07-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_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:0.2810A P:59.54W PF:0.9660 Freq:60.01Hz Lamp Flux:9165.58x1 lm					
NAME: ILA			TYPE:		WEIGHT:
SPEC.:AOK-60WiLA-NVS-L3-00-4070-T3			DIM.:		SERIAL No.:
MFR.: AOK			SUR.:190*170mm		Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	1772	1772	1772	1772	1772													
5	1714	1717	1723	1738	1762													
10	1647	1663	1686	1714	1751													
15	1600	1615	1647	1695	1758													
20	1563	1577	1613	1675	1765													
25	1523	1542	1579	1653	1776													
30	1480	1500	1544	1637	1794													
35	1433	1456	1508	1617	1817													
40	1383	1411	1468	1601	1853													
45	1336	1359	1422	1582	1901													
50	1276	1299	1370	1559	1940													
55	1189	1218	1291	1506	1983													
60	1021	1085	1176	1431	1994													
65	750	826	982	1286	1940													
70	429	498	624	1003	1757													
75	199	237	292	533	1275													
80	82.0	108	117	165	507													
85	21.0	28.3	25.6	31.2	75.2													
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:2022-07-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks: