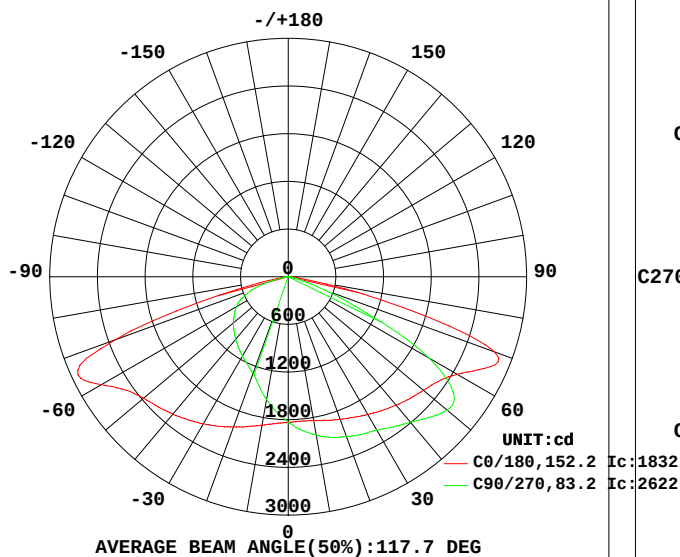
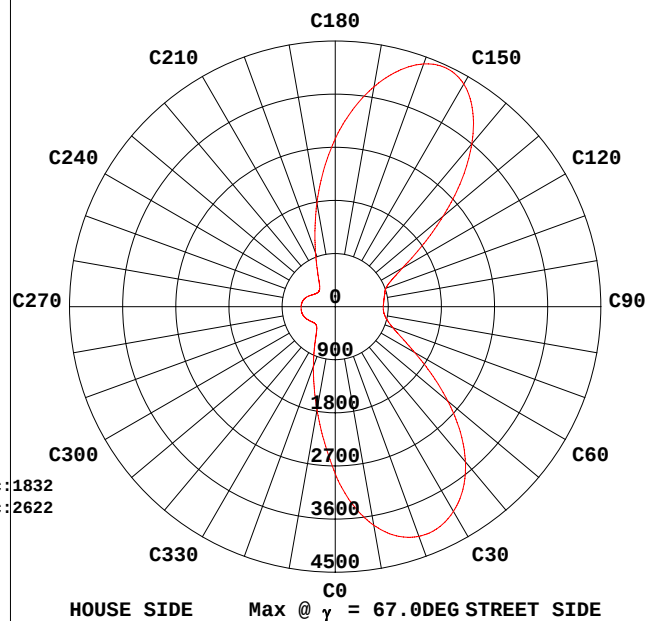


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.5V I:0.2857A P:60.72W PF:0.9685 Freq:60.01Hz Lamp Flux:8428.01x1 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: 138.80 lm/W			
MODEL	3030	I _{max} (cd)	4356	η street_up(%)	0.0
NOMINAL POWER(W)	60	LOR(%)	100.0	η street_down(%)	66.9
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	8428	η house_up(%)	0.0
NOMINAL FLUX(lm)	8428.01	MAXIMUM @(C,γ)	150,67.0	η house_down(%)	33.1
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.945

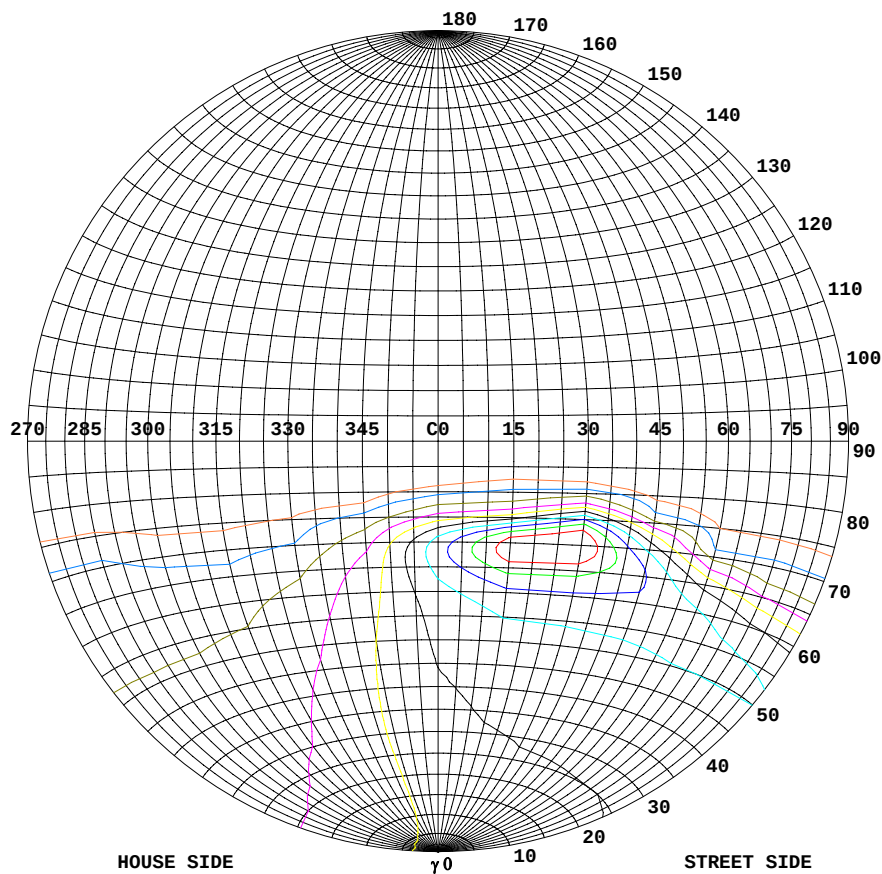
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:219.5V I:0.2857A P:60.72W PF:0.9685 Freq:60.01Hz Lamp Flux:8428.01x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-60WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:



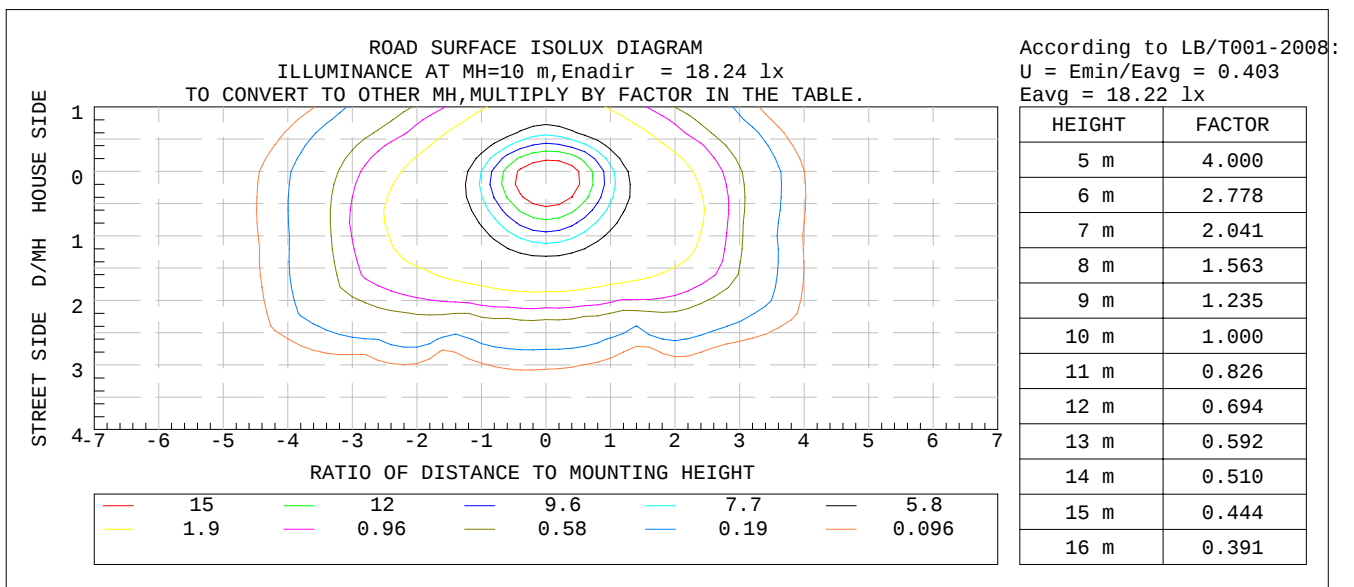
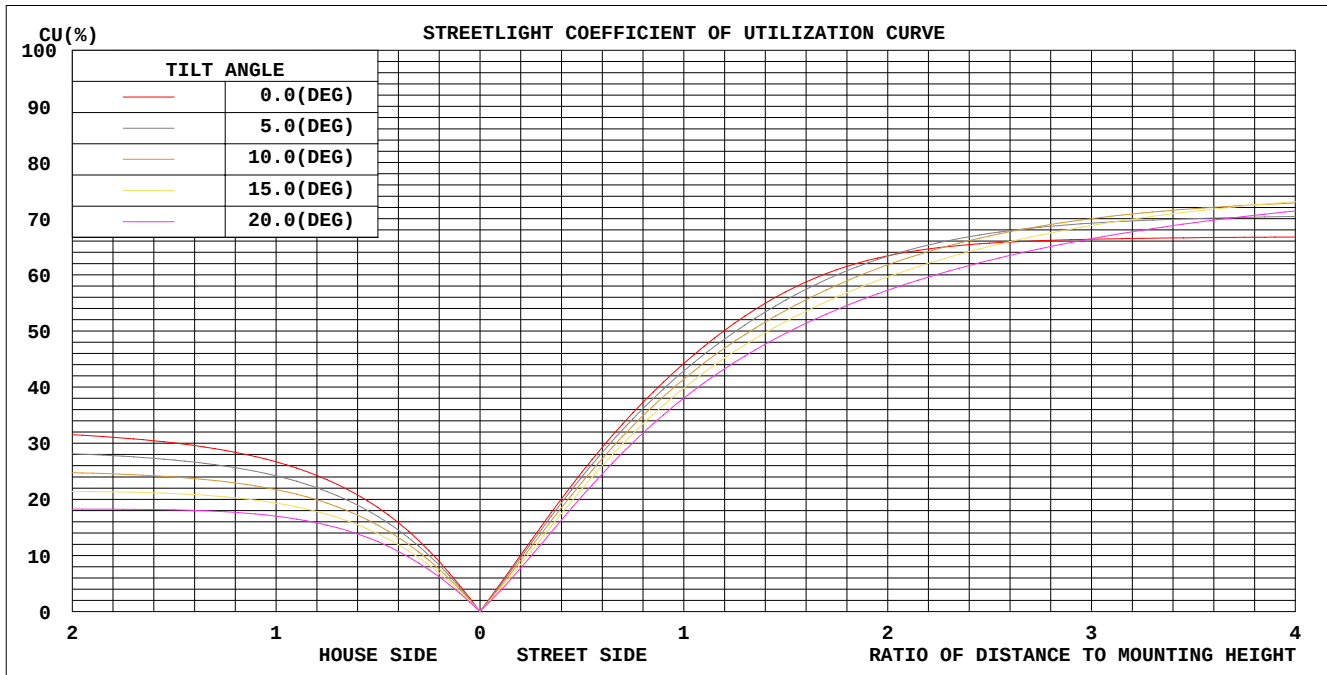
Classification:

IES:Type III - Short
CIE:Broad - Intermediate
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:83.22cd/klm
Max.At90:0cd/klm
Max.80-90:83.22cd/klm
NRB 5101:Semi limited[22.8%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4356
90%	3920
80%	3485
70%	3049
60%	2613
50%	2178
40%	1742
30%	1307
20%	871
10%	436
5%	218

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

gamma Range: 0 - 180DEG
gamma 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:219.5V I:0.2857A P:60.72W PF:0.9685 Freq:60.01Hz Lamp Flux:8428.01x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-60WILA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

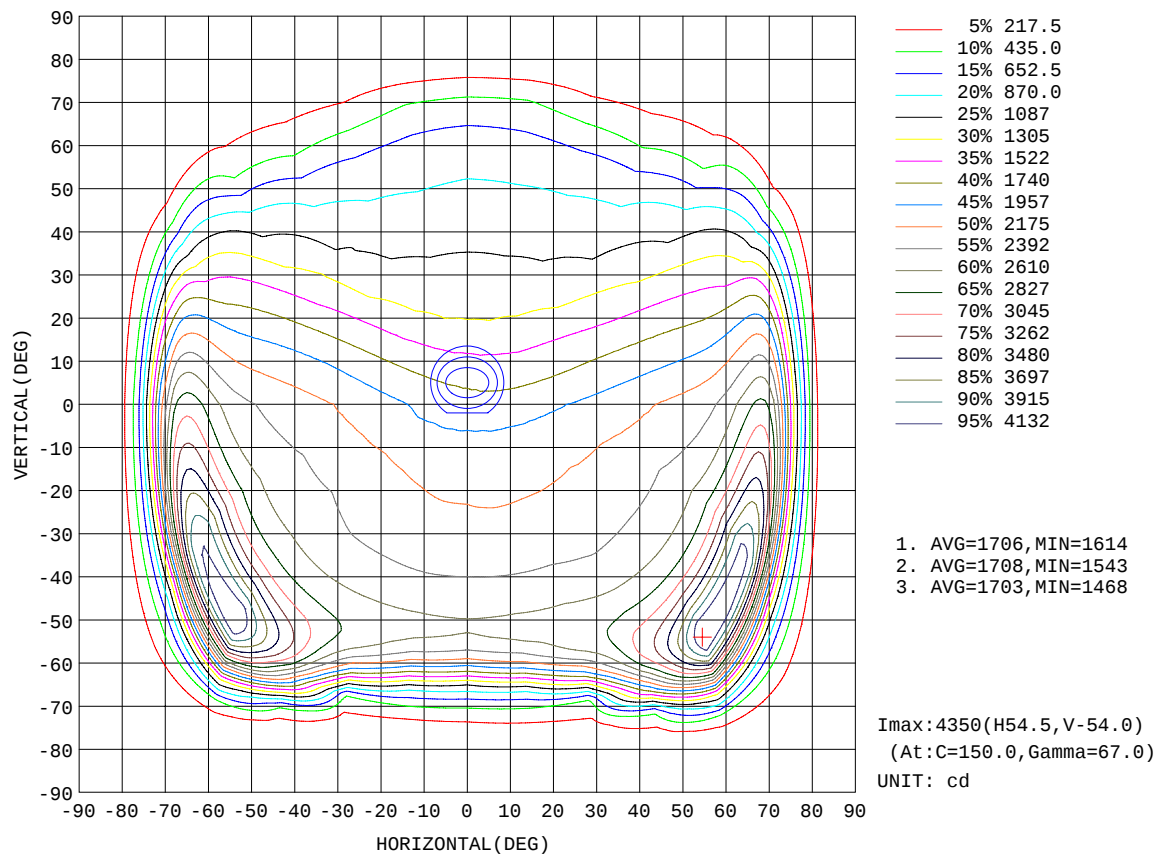
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1836	1970	2022	2012	1896	1687	1571	1648	0- 10	174.8	174.8	2.07,2.07
20	1909	2100	2137	2174	2011	1534	1297	1485	10- 20	518.9	693.7	8.23,8.23
30	2001	2211	2229	2298	2135	1362	1152	1319	20- 30	849.7	1543	18.3,18.3
40	2108	2315	2391	2416	2257	1180	1028	1146	30- 40	1163	2706	32.1,32.1
50	2220	2518	2613	2644	2377	995.3	899.9	980.6	40- 50	1458	4164	49.4,49.4
60	2455	2942	2041	3113	2717	719.8	750.7	761.9	50- 60	1726	5890	69.9,69.9
70	2759	2494	476.4	2371	2309	284.5	488.5	338.7	60- 70	1755	7645	90.7,90.7
80	342.8	141.2	60.27	92.41	150.8	54.54	64.19	72.26	70- 80	742.2	8387	99.5,99.5
90	0	0	0	0	0	0	0	0	80- 90	40.79	8428	100,100
100	0	0	0	0	0	0	0	0	90-100	0	8428	100,100
110	0	0	0	0	0	0	0	0	100-110	0	8428	100,100
120	0	0	0	0	0	0	0	0	110-120	0	8428	100,100
130	0	0	0	0	0	0	0	0	120-130	0	8428	100,100
140	0	0	0	0	0	0	0	0	130-140	0	8428	100,100
150	0	0	0	0	0	0	0	0	140-150	0	8428	100,100
160	0	0	0	0	0	0	0	0	150-160	0	8428	100,100
170	0	0	0	0	0	0	0	0	160-170	0	8428	100,100
180	0	0	0	0	0	0	0	0	170-180	0	8428	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

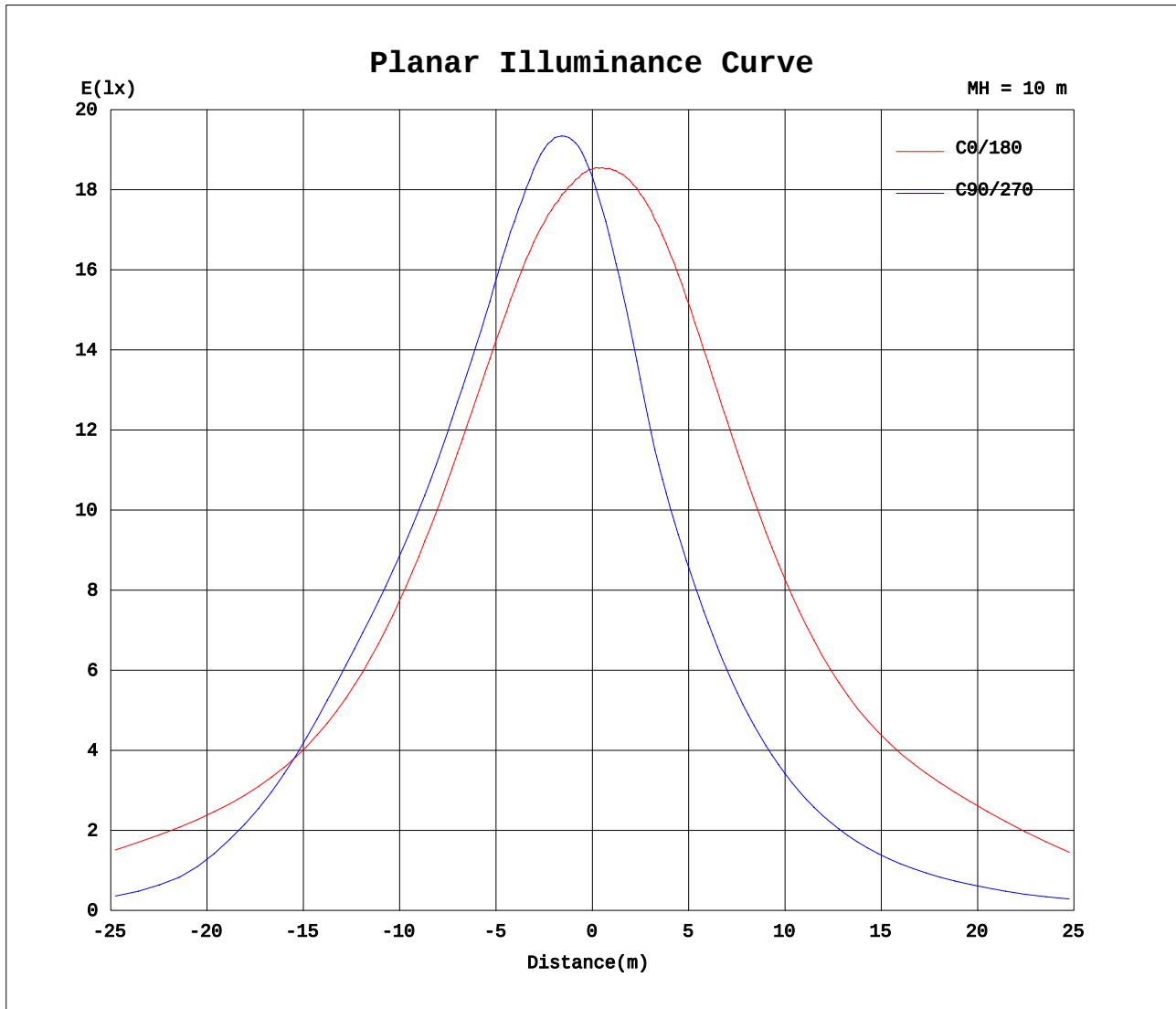
Test:U:219.5V I:0.2857A P:60.72W PF:0.9685 Freq:60.01Hz Lamp Flux:8428.01x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-60WILA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:



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



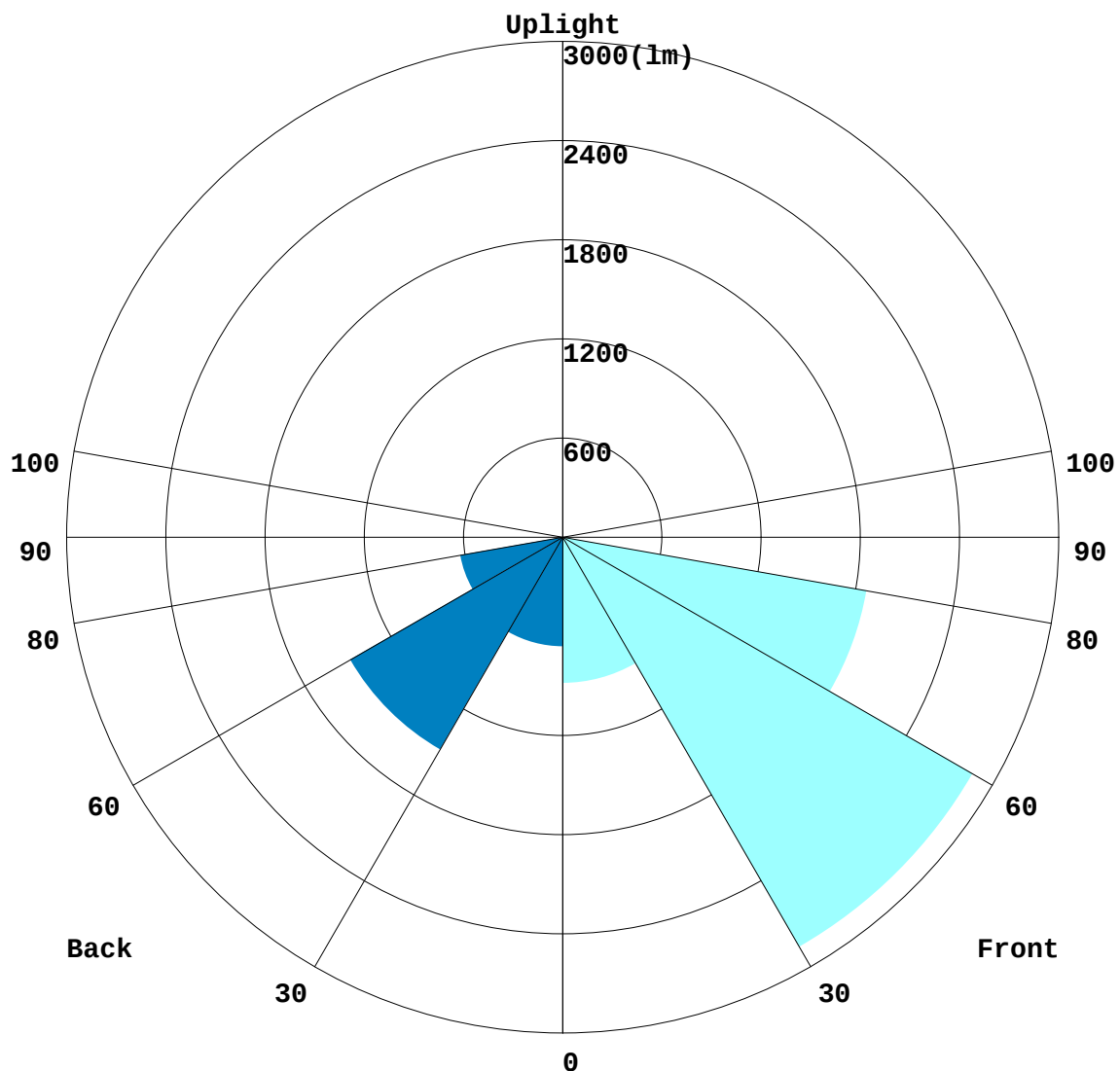
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-07-11

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:219.5V I:0.2857A P:60.72W PF:0.9685 Freq:60.01Hz Lamp Flux:8428.01x1 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:219.5V I:0.2857A P:60.72W PF:0.9685 Freq:60.01Hz Lamp Flux:8428.01x1 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)	882.36	10.5
FM - Front-Medium(30-60)	2863.8	34.0
FH - Front-High(60-80)	1867.2	22.2
FVH - Front-Very High(80-90)	28.92	0.3
Total Forward Light	5642.2	66.9

BL - Back-Low(0-30)	661.01	7.8
BM - Back-Medium(30-60)	1483.3	17.6
BH - Back-High(60-80)	629.6	7.5
BVH - Back-Very High(80-90)	11.873	0.1
Total Back Light	2785.8	33.1

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	2785.8	0	2785.8
Street Side	5642.2	0	5642.2

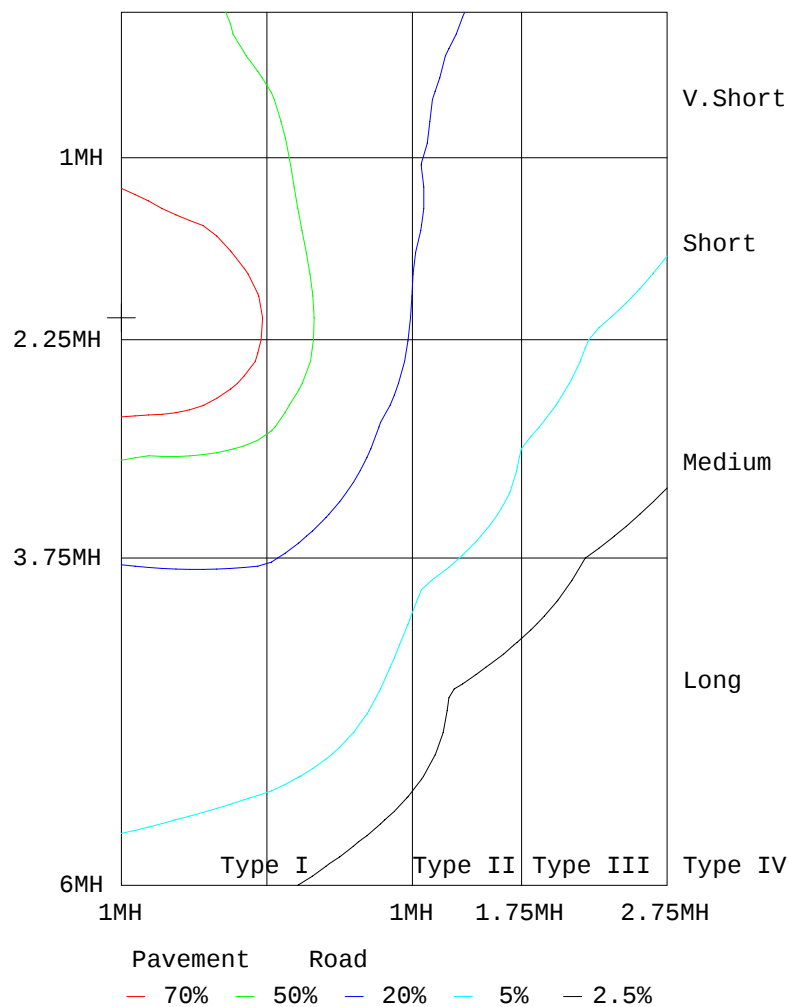
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-07-11

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:219.5V I:0.2857A P:60.72W PF:0.9685 Freq:60.01Hz Lamp Flux:8428.01x1 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:219.5V I:0.2857A P:60.72W PF:0.9685 Freq:60.01Hz Lamp Flux:8428.01x1 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	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832
5	1827	1856	1881	1906	1922	1933	1938	1942	1933	1924	1908	1888	1855	1823	1784	1758	1731	1711	1705
10	1836	1893	1936	1970	1995	2015	2022	2030	2021	2012	1987	1952	1896	1833	1756	1687	1629	1587	1571
15	1872	1946	1994	2039	2063	2082	2095	2102	2100	2090	2073	2029	1953	1853	1727	1615	1514	1444	1421
20	1909	2003	2063	2100	2119	2129	2137	2153	2165	2174	2155	2106	2011	1872	1704	1534	1399	1316	1297
25	1951	2063	2124	2157	2166	2179	2190	2206	2216	2233	2237	2191	2077	1899	1673	1453	1292	1228	1219
30	2001	2131	2187	2211	2220	2223	2229	2248	2274	2298	2308	2269	2135	1922	1634	1362	1203	1155	1152
35	2056	2201	2241	2263	2275	2294	2308	2322	2326	2353	2383	2348	2200	1933	1583	1271	1121	1088	1090
40	2108	2266	2307	2315	2363	2383	2391	2403	2408	2416	2448	2424	2257	1935	1516	1180	1049	1021	1028
45	2168	2347	2376	2403	2460	2496	2505	2517	2505	2511	2530	2502	2315	1916	1430	1101	974	954	967
50	2220	2447	2473	2518	2594	2624	2613	2638	2640	2644	2651	2626	2377	1880	1324	995	890	875	900
55	2301	2604	2639	2699	2730	2634	2534	2630	2767	2845	2882	2869	2489	1810	1185	881	790	792	829
60	2455	2938	2963	2942	2663	2249	2041	2194	2635	3113	3376	3412	2717	1700	1010	720	675	708	751
65	2726	3672	3635	3094	2011	1342	1098	1263	1873	3201	4168	4099	2920	1476	733	472	507	603	640
70	2759	4089	4320	2494	721	550	476	504	483	2371	4073	3412	2309	1005	375	285	292	441	489
75	1496	1999	3045	982	216	181	171	158	168	641	1899	1037	903	319	170	144	155	214	255
80	343	508	701	141	76.4	68.9	60.3	62.6	64.4	92.4	261	255	151	64.7	56.7	54.5	60.5	56.8	64.2
85	36.0	59.4	79.1	30.7	20.6	16.6	13.1	13.5	13.0	16.5	28.1	16.5	13.5	9.26	9.43	10.5	12.9	12.7	15.0
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: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:219.5V I:0.2857A P:60.72W PF:0.9685 Freq:60.01Hz Lamp Flux:8428.01x1 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	1832	1832	1832	1832	1832													
5	1709	1719	1736	1765	1798													
10	1578	1604	1648	1708	1777													
15	1432	1482	1562	1666	1775													
20	1312	1374	1485	1626	1778													
25	1227	1276	1402	1593	1787													
30	1161	1196	1319	1547	1802													
35	1097	1119	1231	1493	1806													
40	1037	1054	1146	1424	1804													
45	978	988	1066	1350	1785													
50	906	914	981	1257	1761													
55	821	824	886	1144	1706													
60	731	716	762	1002	1623													
65	631	569	550	805	1480													
70	477	349	339	464	1178													
75	247	185	182	233	558													
80	64.7	74.7	72.3	79.7	118													
85	15.2	17.7	16.7	16.4	17.0													
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: