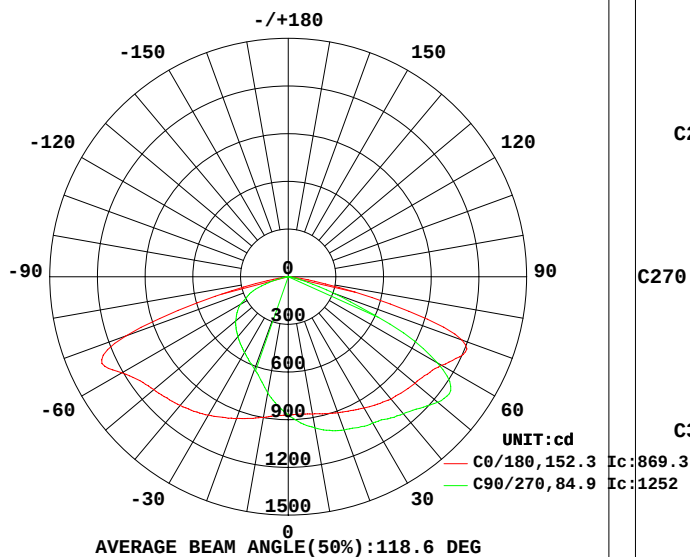
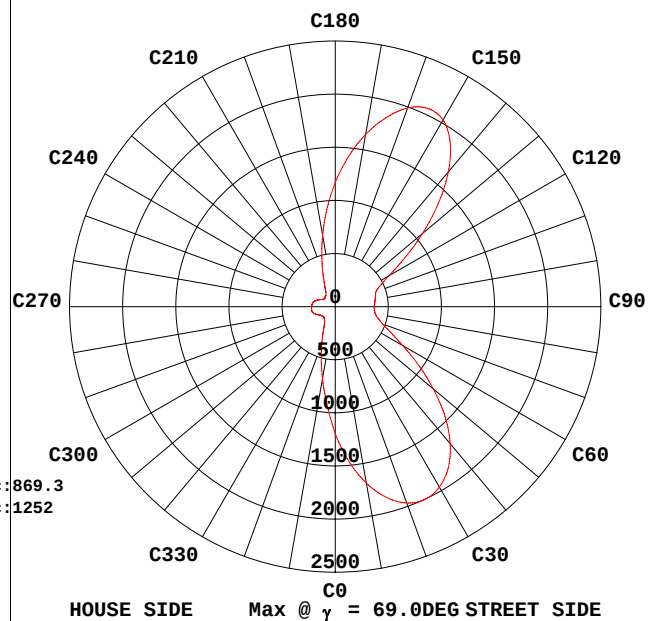


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.1398A P:29.06W PF:0.9475 Freq:60.01Hz Lamp Flux:4026.48x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-30WILA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.58 lm/W			
MODEL	3030	I _{max} (cd)	2030	η street_up(%)	0.0
NOMINAL POWER(W)	30	LOR(%)	100.0	η street_down(%)	68.2
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	4026	η house_up(%)	0.0
NOMINAL FLUX(lm)	4026.48	MAXIMUM @(C,γ)	150,69.0	η house_down(%)	31.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	18.892

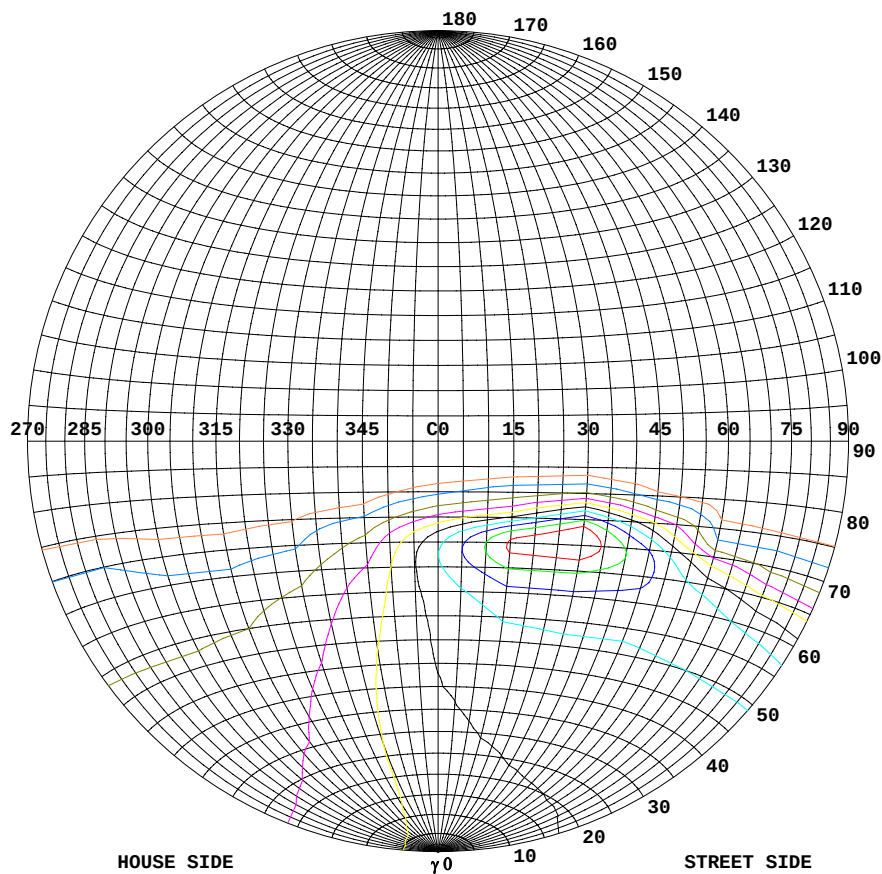
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:0.1398A P:29.06W PF:0.9475 Freq:60.01Hz Lamp Flux:4026.48x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-30WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:



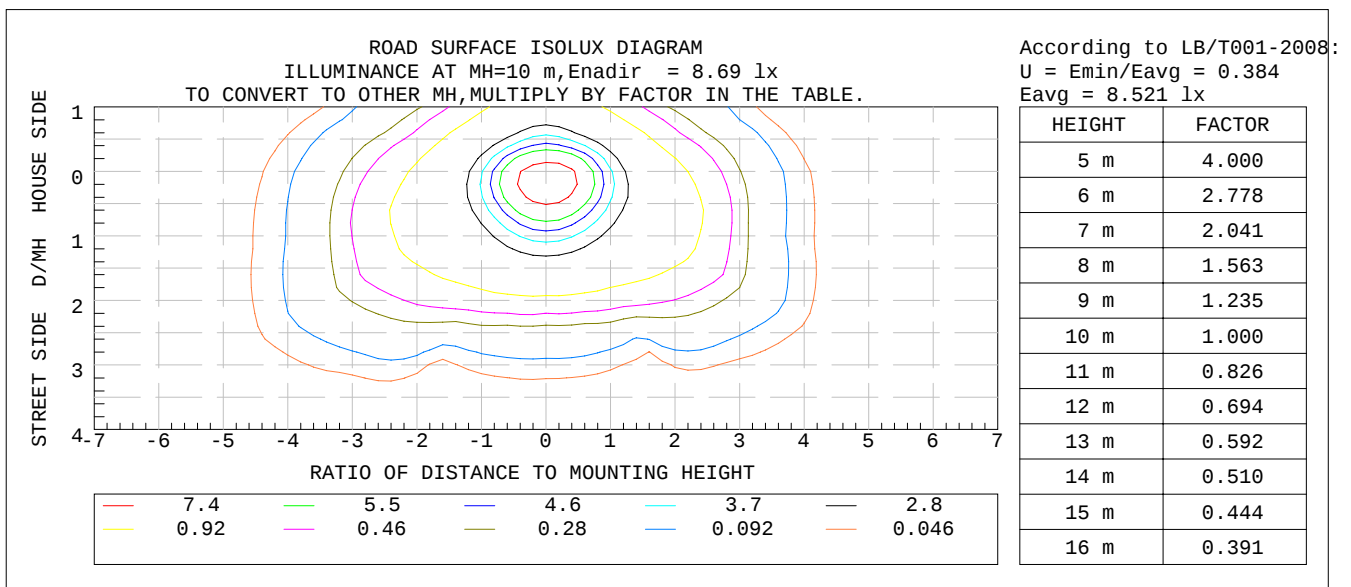
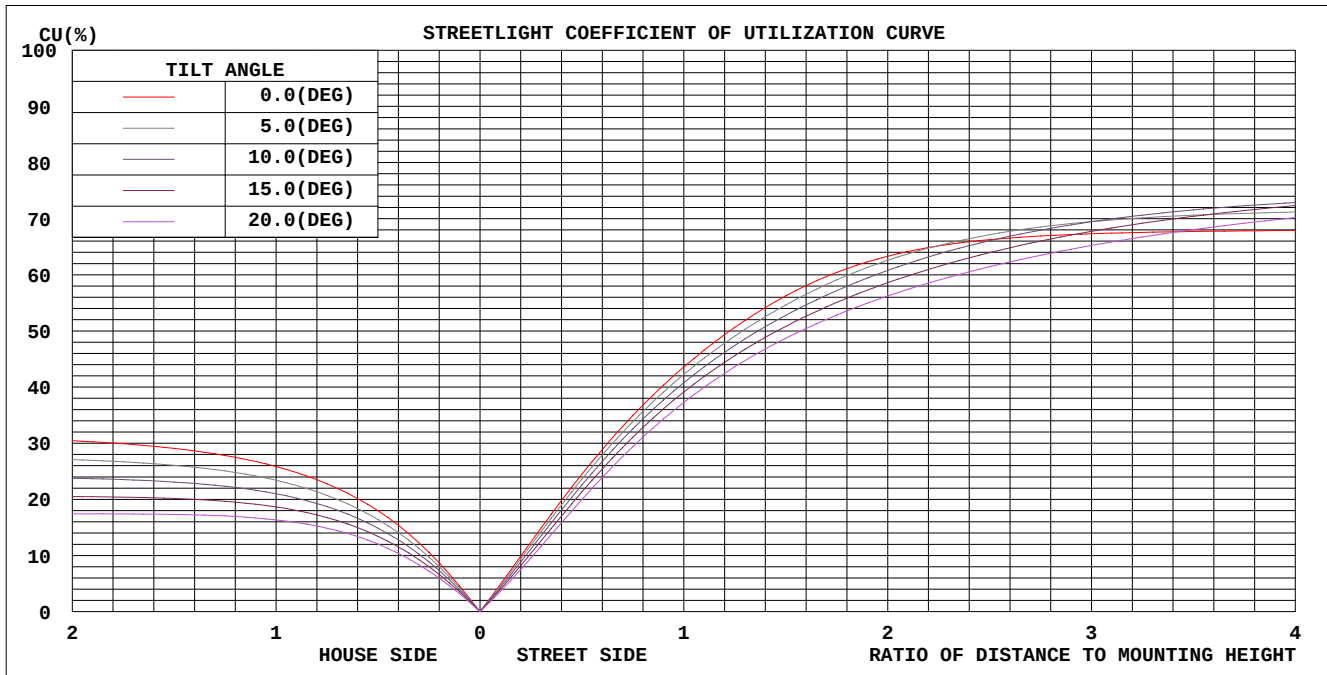
Classification:

IES:Type III - Medium
 CIE:Broad - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:107.8cd/klm
 Max.At90:0cd/klm
 Max.80-90:107.8cd/klm
 NRB 5101:Limited[5.7%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2030
90%	1827
80%	1624
70%	1421
60%	1218
50%	1015
40%	812
30%	609
20%	406
10%	203
5%	102

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:0.1398A P:29.06W PF:0.9475 Freq:60.01Hz Lamp Flux:4026.48x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-30WILA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

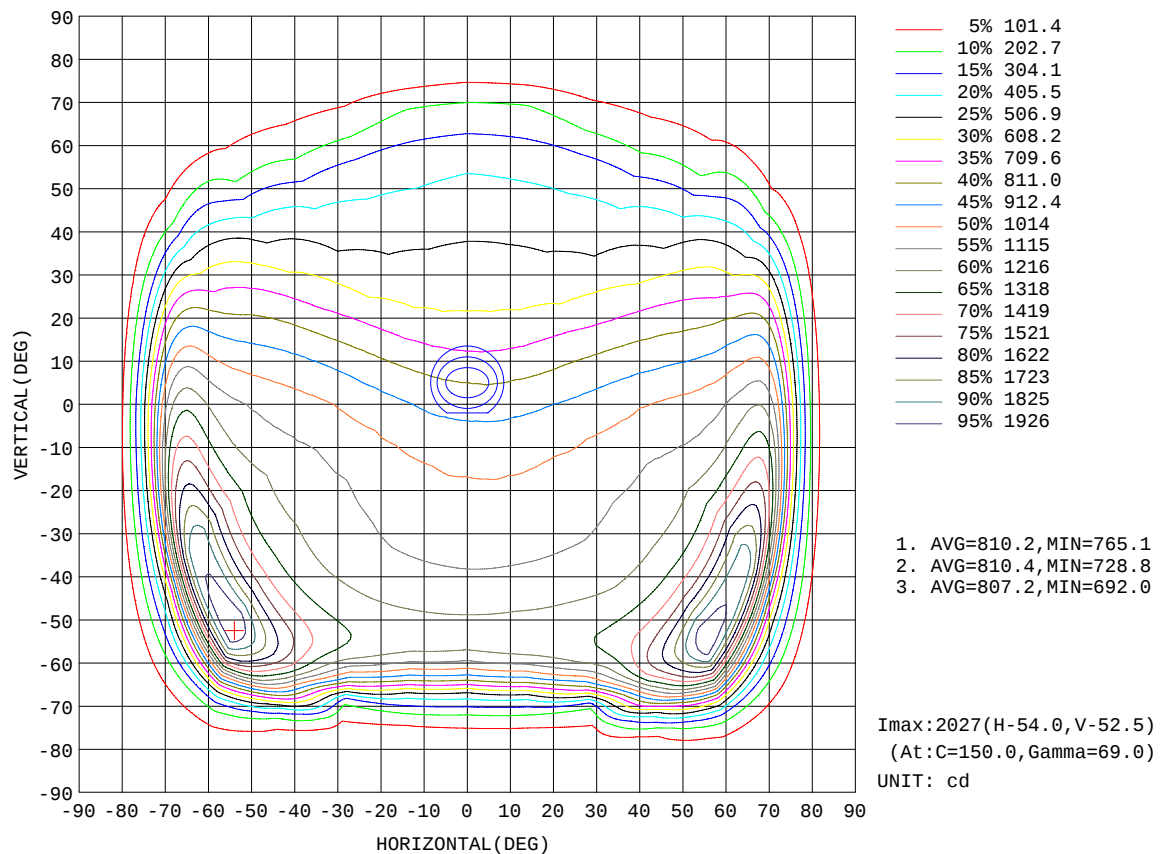
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	877.5	941.6	965.8	957.0	898.6	796.3	743.1	780.7	0- 10	83.06	83.06	2.06,2.06
20	910.7	1008	1027	1033	948.3	718.5	619.9	701.1	10- 20	246.7	329.7	8.19,8.19
30	953.3	1061	1062	1090	1004	636.0	551.0	620.4	20- 30	404.1	733.8	18.2,18.2
40	1006	1110	1126	1144	1057	550.8	492.1	537.2	30- 40	551.3	1285	31.9,31.9
50	1043	1189	1228	1232	1104	462.0	431.2	458.0	40- 50	686.3	1971	49,49
60	1115	1356	1084	1422	1209	323.7	347.4	339.6	50- 60	807.1	2778	69,69
70	1163	1411	313.0	1278	1086	121.5	201.1	137.3	60- 70	830.5	3609	89.6,89.6
80	167.7	128.9	35.05	86.97	95.34	23.28	24.39	29.62	70- 80	391.6	4001	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	25.88	4026	100,100
100	0	0	0	0	0	0	0	0	90-100	0	4026	100,100
110	0	0	0	0	0	0	0	0	100-110	0	4026	100,100
120	0	0	0	0	0	0	0	0	110-120	0	4026	100,100
130	0	0	0	0	0	0	0	0	120-130	0	4026	100,100
140	0	0	0	0	0	0	0	0	130-140	0	4026	100,100
150	0	0	0	0	0	0	0	0	140-150	0	4026	100,100
160	0	0	0	0	0	0	0	0	150-160	0	4026	100,100
170	0	0	0	0	0	0	0	0	160-170	0	4026	100,100
180	0	0	0	0	0	0	0	0	170-180	0	4026	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

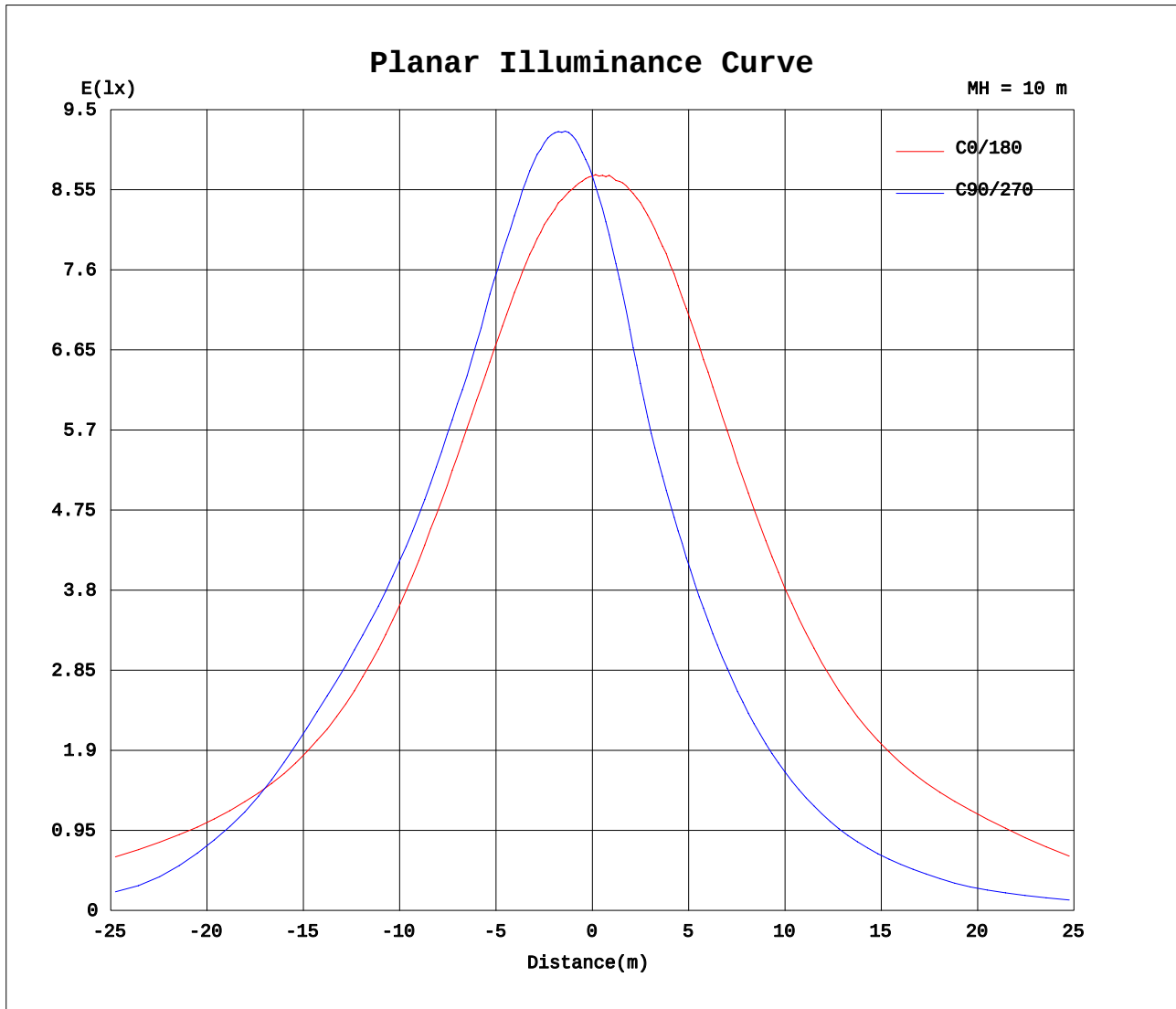
Test:U:219.3V I:0.1398A P:29.06W PF:0.9475 Freq:60.01Hz Lamp Flux:4026.48x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-30WILA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:



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



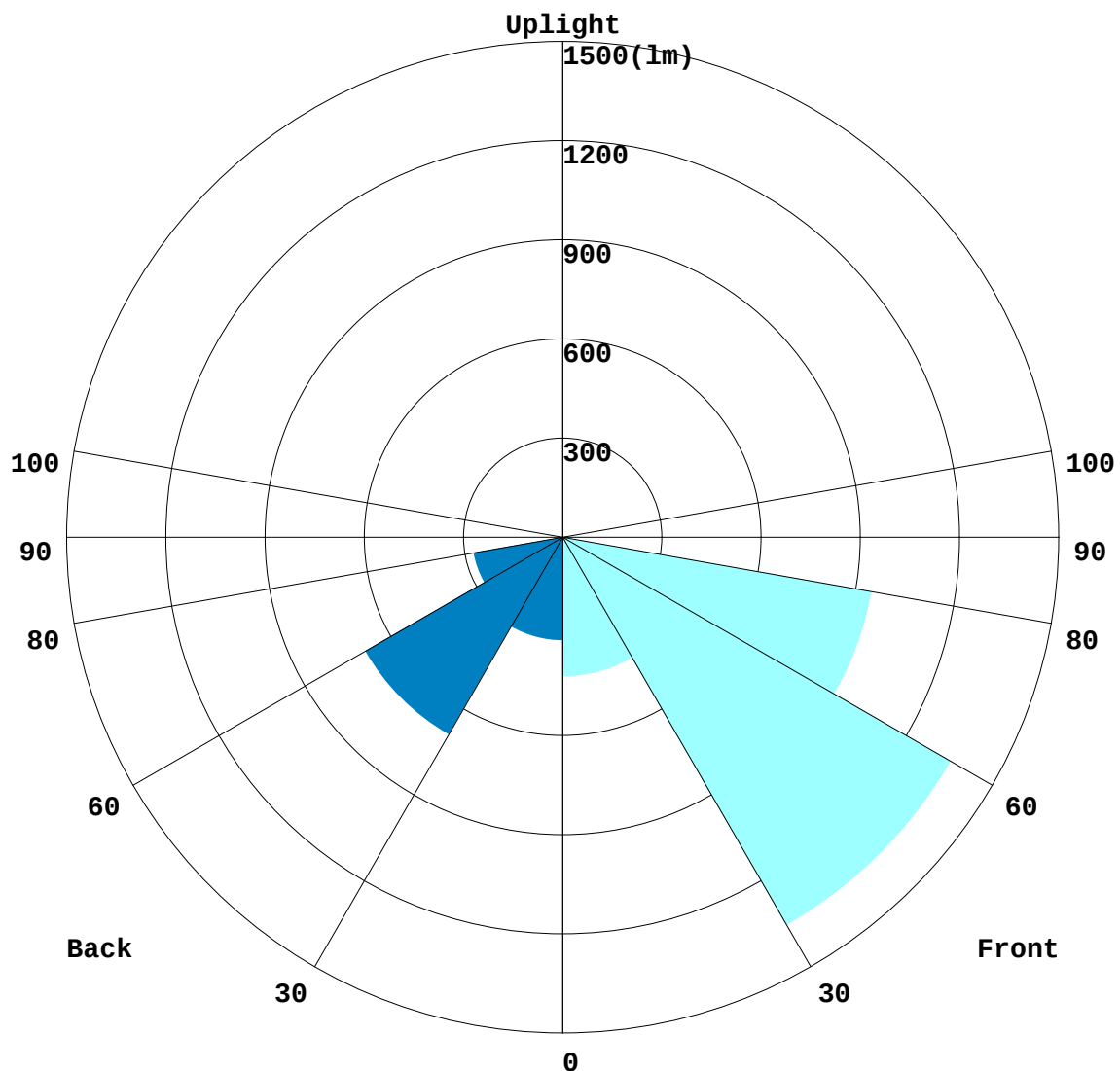
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-07-11

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:0.1398A P:29.06W PF:0.9475 Freq:60.01Hz Lamp Flux:4026.48x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-30WiLA-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:0.1398A P:29.06W PF:0.9475 Freq:60.01Hz Lamp Flux:4026.48x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-30WILA-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)	421.42	10.5
FM - Front-Medium(30-60)	1355.3	33.7
FH - Front-High(60-80)	948.34	23.6
FVH - Front-Very High(80-90)	20.757	0.5
Total Forward Light	2745.8	68.2

BL - Back-Low(0-30)	312.36	7.8
BM - Back-Medium(30-60)	689.36	17.1
BH - Back-High(60-80)	273.8	6.8
BVH - Back-Very High(80-90)	5.1189	0.1
Total Back Light	1280.6	31.8

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	B1-U0-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1280.6	0	1280.6
Street Side	2745.8	0	2745.8

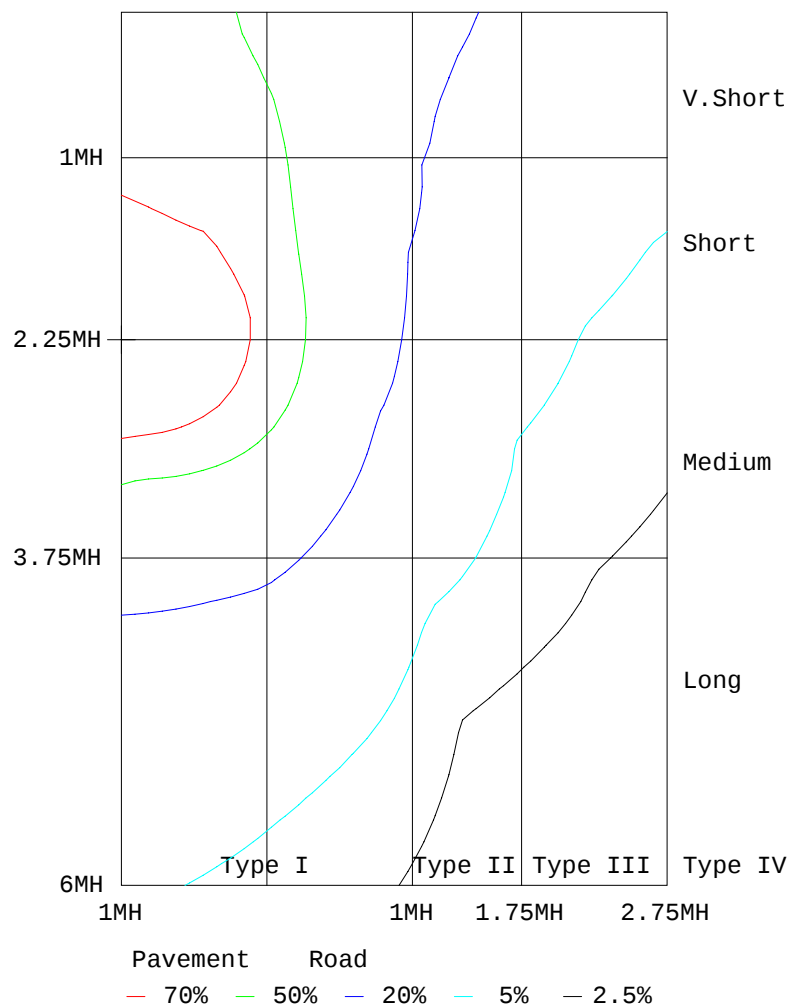
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-11

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:0.1398A P:29.06W PF:0.9475 Freq:60.01Hz Lamp Flux:4026.48x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-30WiLA-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:0.1398A P:29.06W PF:0.9475 Freq:60.01Hz Lamp Flux:4026.48x1 lm																		
NAME: ILA									TYPE:					WEIGHT:				
SPEC.:AOK-30WiLA-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	870	870	870	870	870	870	870	870	870	870	870	870	870	870	870	870	870	870	870
5	868	881	895	907	916	921	924	925	921	915	905	896	881	862	849	833	820	813	810
10	878	903	926	942	953	964	966	967	965	957	946	926	899	866	831	796	771	751	743
15	891	930	958	973	987	996	1000	1004	1005	997	985	963	923	872	815	759	713	682	672
20	911	959	992	1008	1017	1023	1027	1030	1036	1033	1023	999	948	879	799	718	659	626	620
25	930	987	1024	1035	1038	1043	1047	1050	1059	1066	1062	1038	975	889	784	679	611	587	584
30	953	1020	1053	1061	1065	1062	1062	1074	1086	1090	1097	1075	1004	897	763	636	570	552	551
35	979	1055	1086	1089	1085	1087	1092	1097	1104	1122	1132	1112	1034	900	733	593	532	519	522
40	1006	1090	1114	1110	1119	1127	1126	1135	1136	1144	1165	1144	1057	897	701	551	497	489	492
45	1022	1128	1149	1144	1156	1170	1171	1178	1176	1182	1200	1186	1078	886	659	509	461	455	464
50	1043	1171	1191	1189	1211	1230	1228	1230	1229	1232	1248	1236	1104	860	605	462	419	416	431
55	1069	1230	1254	1256	1276	1273	1248	1269	1292	1310	1335	1327	1140	816	536	405	370	374	393
60	1115	1362	1387	1356	1298	1174	1084	1146	1294	1422	1514	1522	1209	750	449	324	310	327	347
65	1191	1637	1658	1466	1116	839	707	796	1045	1506	1848	1841	1293	640	317	206	209	259	279
70	1163	1853	1996	1411	572	349	313	333	417	1278	1992	1727	1086	442	164	121	123	186	201
75	664	1044	1597	825	132	114	104	101	115	584	1154	625	477	151	75.7	63.8	66.9	79.3	94.7
80	168	311	434	129	50.9	41.4	35.1	38.2	44.3	87.0	225	164	95.3	35.5	26.7	23.3	23.5	21.3	24.4
85	19.0	39.9	51.4	26.0	15.8	12.5	7.60	12.1	13.9	21.6	31.9	21.0	11.3	4.93	3.81	3.70	4.20	3.99	4.51
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:0.1398A P:29.06W PF:0.9475 Freq:60.01Hz Lamp Flux:4026.48x1 lm					
NAME: ILA			TYPE:		WEIGHT:
SPEC.:AOK-30WILA-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	870	870	870	870	870														
5	811	816	824	838	853														
10	745	759	781	811	845														
15	675	701	739	789	843														
20	625	651	701	770	846														
25	587	608	660	751	851														
30	556	569	620	726	852														
35	524	535	578	696	850														
40	496	503	537	662	843														
45	467	470	500	622	828														
50	430	431	458	573	805														
55	387	384	406	514	770														
60	338	327	340	443	720														
65	272	240	233	338	627														
70	201	145	137	185	473														
75	92.0	78.4	77.7	95.1	216														
80	23.6	27.9	29.6	34.9	47.6														
85	4.51	5.28	5.32	5.79	7.94														
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: