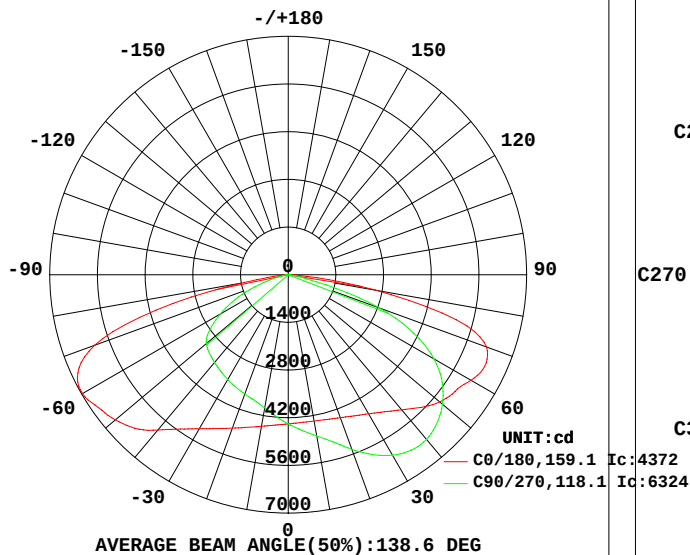
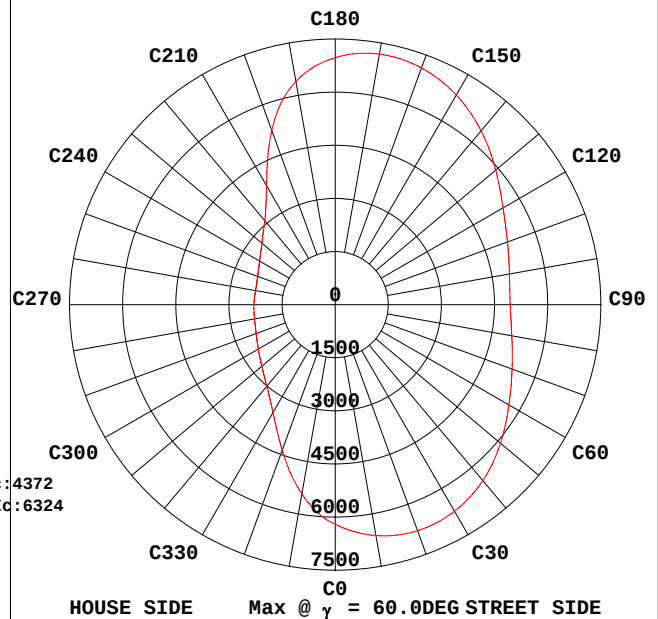


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.4V I:0.6748A P:146.3W PF:0.9886 Freq:60.01Hz Lamp Flux:22537.3x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 154.01 lm/W			
MODEL	3030	I _{max} (cd)	7181	η street_up(%)	0.0
NOMINAL POWER(W)	150	LOR(%)	100.0	η street_down(%)	62.2
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	22537	η house_up(%)	0.0
NOMINAL FLUX(lm)	22537.3	MAXIMUM @(C,γ)	165,60.0	η house_down(%)	37.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	22.714

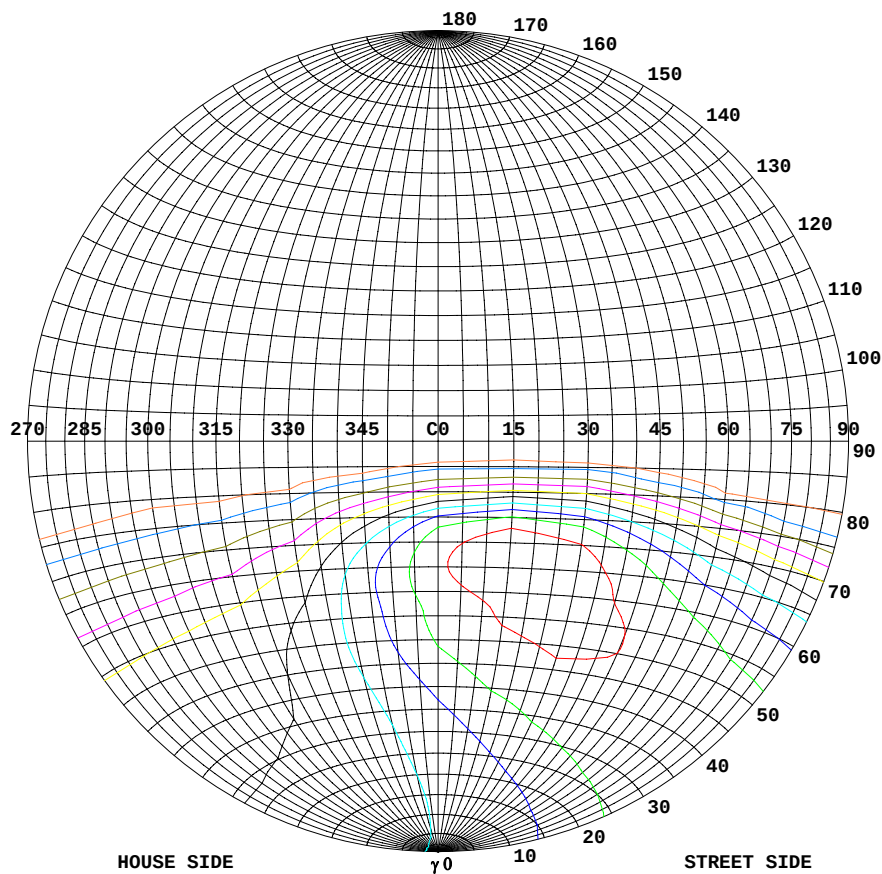
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-24

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:219.4V I:0.6748A P:146.3W PF:0.9886 Freq:60.01Hz Lamp Flux:22537.3x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:



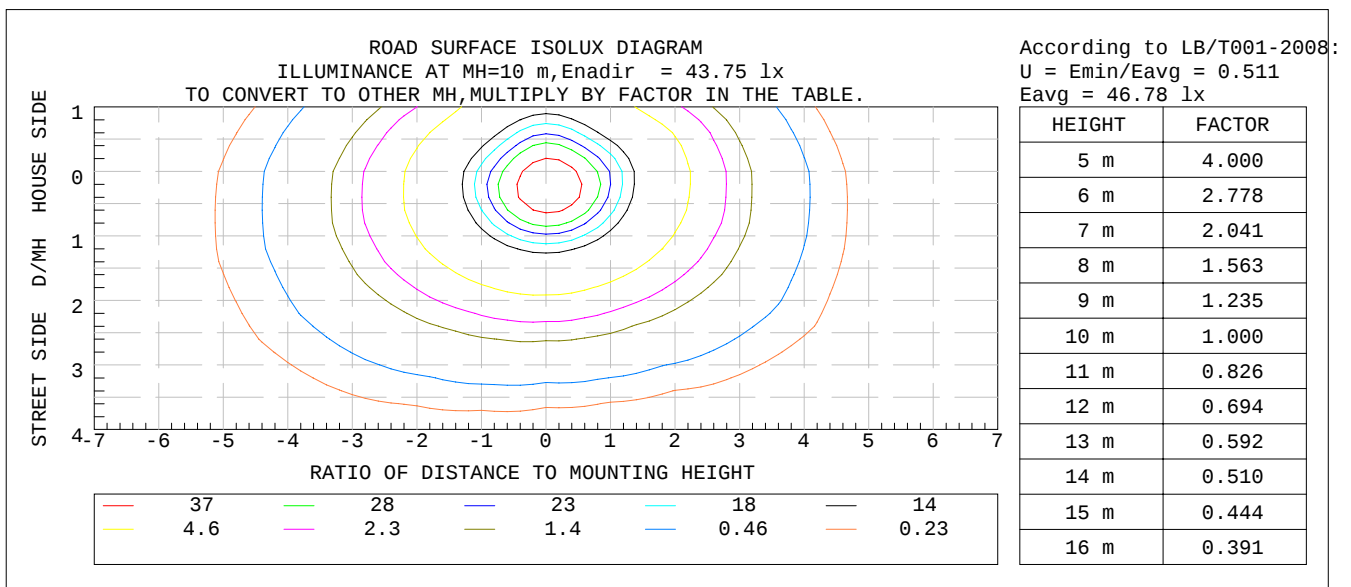
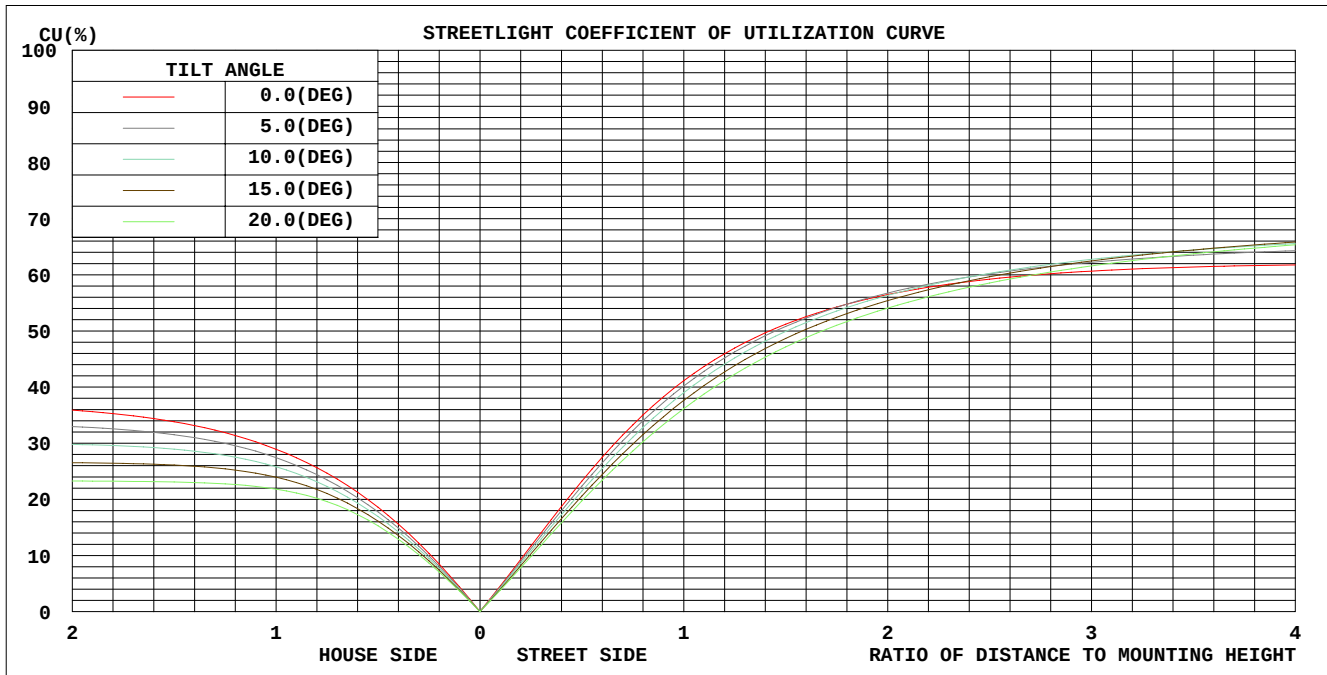
Classification:

IES:Type III - Short
 CIE:Average - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:136.5cd/klm
 Max.At90:0cd/klm
 Max.80-90:136.5cd/klm
 NRB 5101:Semi limited[23.6%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7181
90%	6463
80%	5745
70%	5027
60%	4308
50%	3590
40%	2872
30%	2154
20%	1436
10%	718
5%	359

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-24

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: 2022-08-24

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:219.4V I:0.6748A P:146.3W PF:0.9886 Freq:60.01Hz Lamp Flux:22537.3x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

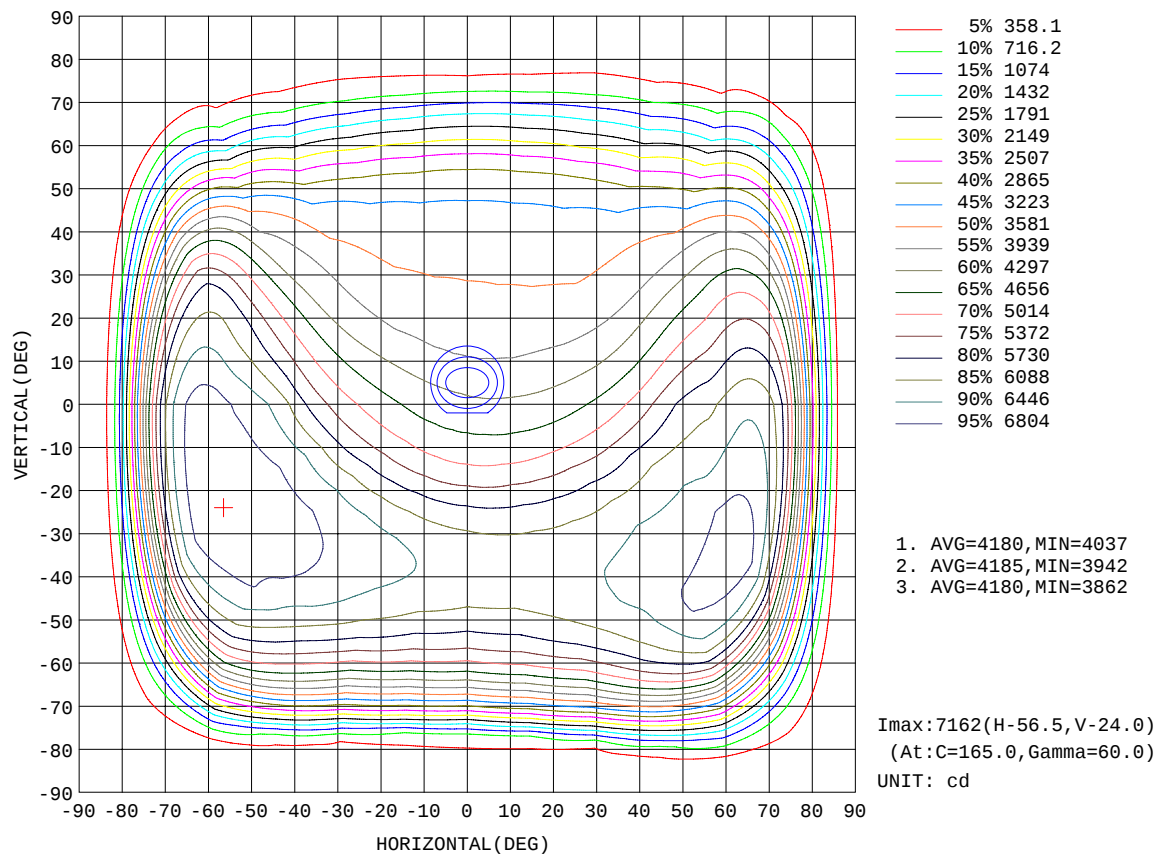
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4363	4653	4806	4768	4520	4171	3975	4069	0- 10	419.7	419.7	1.86,1.86
20	4468	5102	5453	5356	4793	3997	3729	3853	10- 20	1275	1695	7.52,7.52
30	4717	5758	6117	6179	5220	3856	3553	3688	20- 30	2199	3893	17.3,17.3
40	5179	6262	6313	6692	5950	3741	3363	3545	30- 40	3156	7049	31.3,31.3
50	5808	6458	5909	6732	6628	3523	3136	3377	40- 50	4008	11058	49.1,49.1
60	6198	6301	4939	6165	6974	2880	2299	2842	50- 60	4515	15572	69.1,69.1
70	6195	5268	2839	4595	6043	1324	1049	1528	60- 70	4261	19833	88,88
80	2591	1676	341.1	858.9	1310	204.2	180.6	299.4	70- 80	2420	22253	98.7,98.7
90	0	0	0	0	0	0	0	0	80- 90	284.3	22537	100,100
100	0	0	0	0	0	0	0	0	90-100	0	22537	100,100
110	0	0	0	0	0	0	0	0	100-110	0	22537	100,100
120	0	0	0	0	0	0	0	0	110-120	0	22537	100,100
130	0	0	0	0	0	0	0	0	120-130	0	22537	100,100
140	0	0	0	0	0	0	0	0	130-140	0	22537	100,100
150	0	0	0	0	0	0	0	0	140-150	0	22537	100,100
160	0	0	0	0	0	0	0	0	150-160	0	22537	100,100
170	0	0	0	0	0	0	0	0	160-170	0	22537	100,100
180	0	0	0	0	0	0	0	0	170-180	0	22537	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:2022-08-24

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

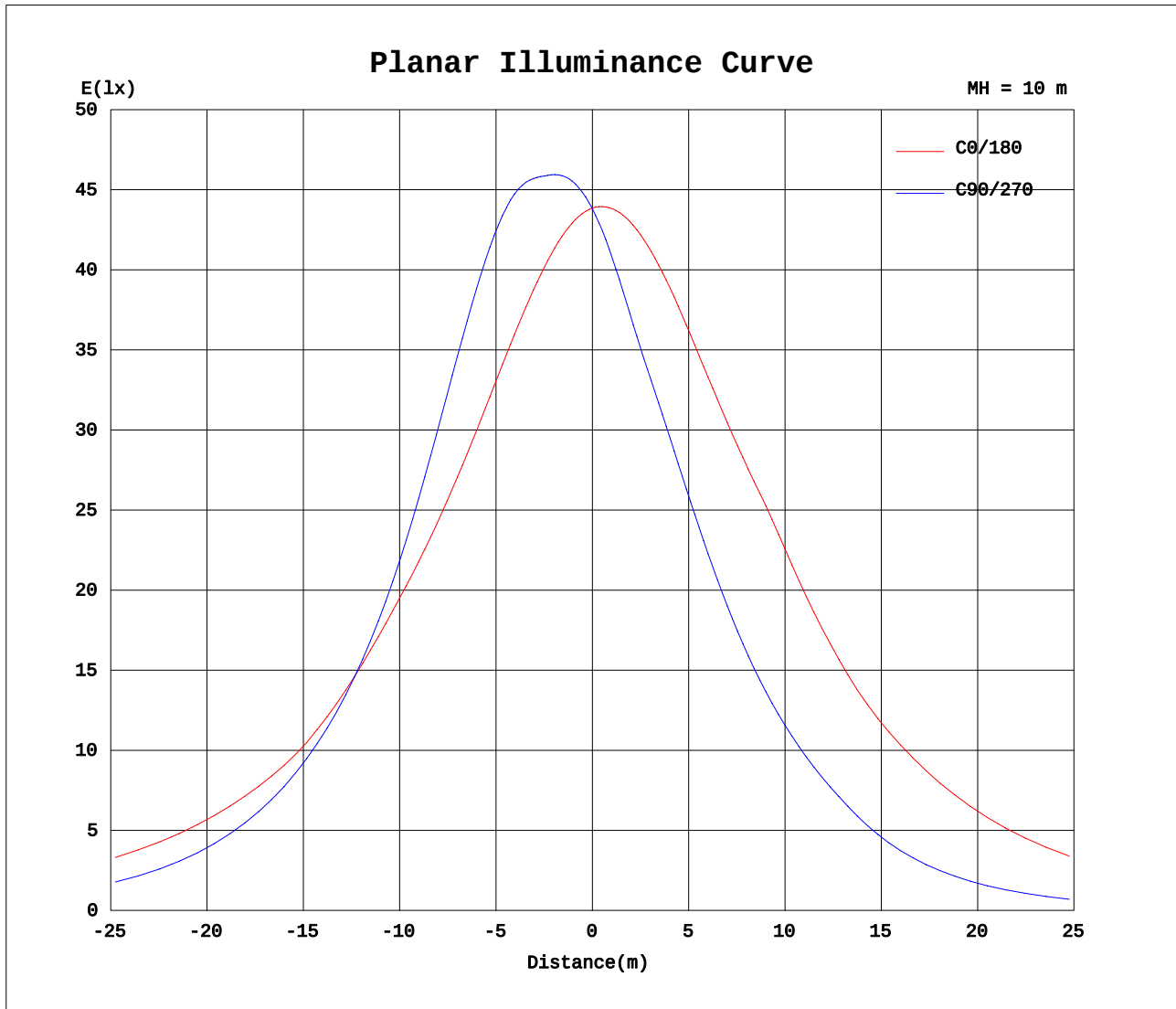
Test:U:219.4V I:0.6748A P:146.3W PF:0.9886 Freq:60.01Hz Lamp Flux:22537.3x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

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



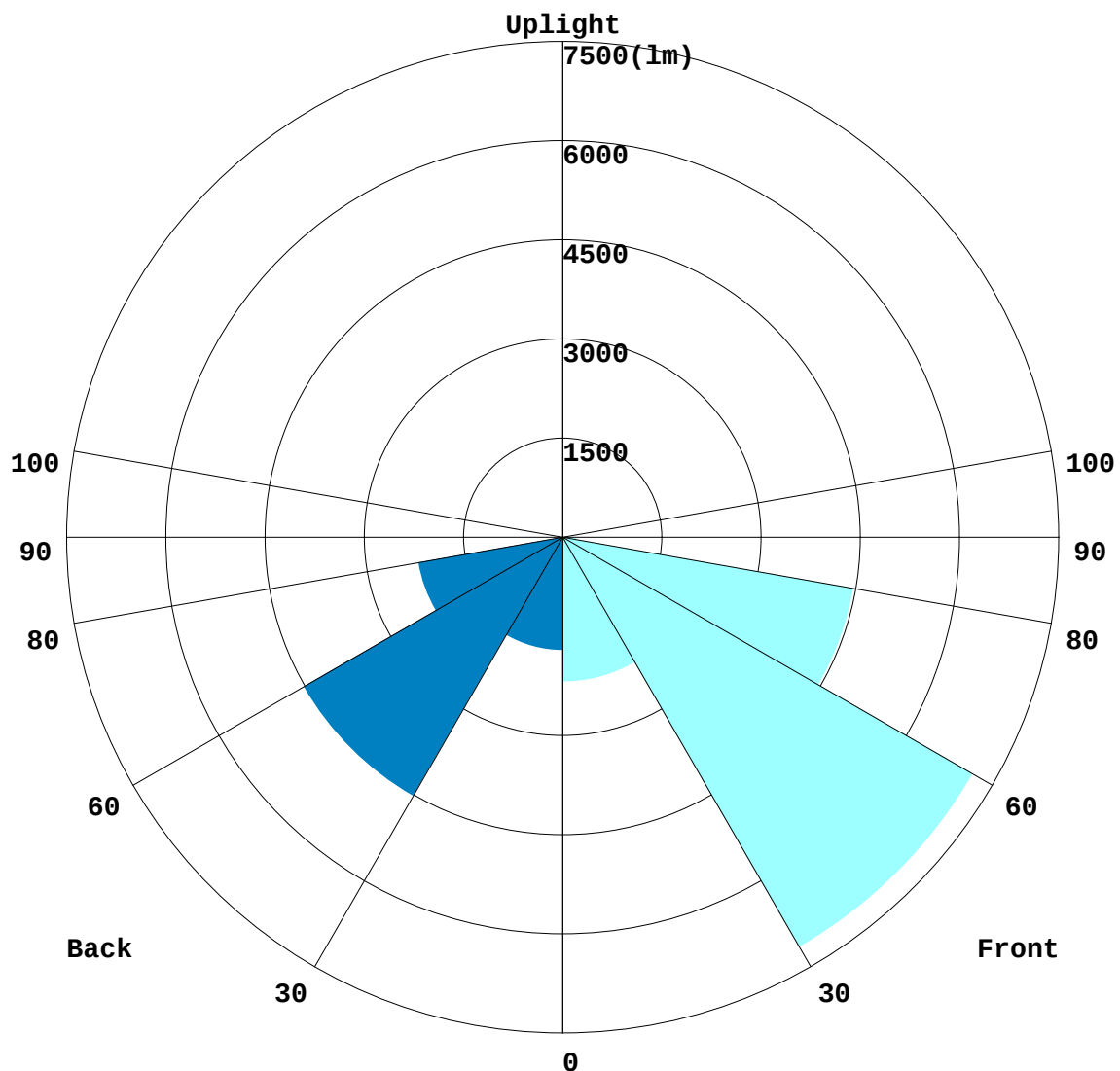
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-24

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:219.4V I:0.6748A P:146.3W PF:0.9886 Freq:60.01Hz Lamp Flux:22537.3x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-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:2022-08-24

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:219.4V I:0.6748A P:146.3W PF:0.9886 Freq:60.01Hz Lamp Flux:22537.3x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-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)	2184.6	9.7
FM - Front-Medium(30-60)	7157.9	31.8
FH - Front-High(60-80)	4464.8	19.8
FVH - Front-Very High(80-90)	213.07	0.9
Total Forward Light	14020	62.2

BL - Back-Low(0-30)	1708.8	7.6
BM - Back-Medium(30-60)	4520.8	20.1
BH - Back-High(60-80)	2216	9.8
BVH - Back-Very High(80-90)	71.266	0.3
Total Back Light	8516.9	37.8

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	B3-U0-G3
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	8516.9	0	8516.9
Street Side	14020	0	14020

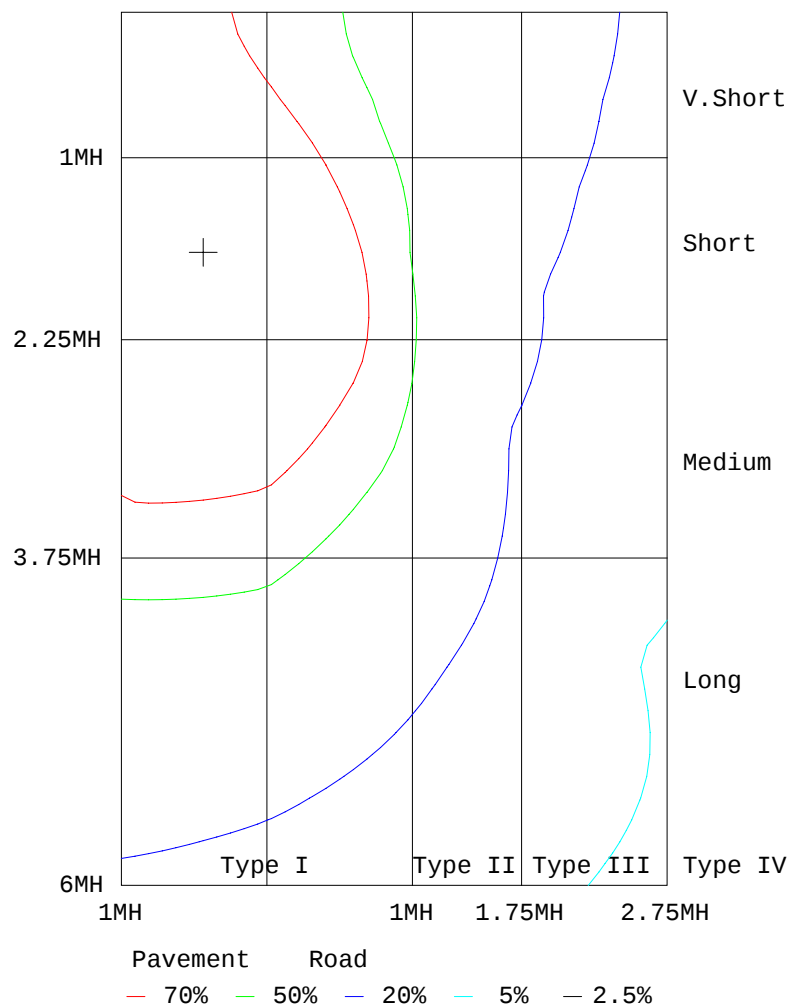
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-24

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:219.4V I:0.6748A P:146.3W PF:0.9886 Freq:60.01Hz Lamp Flux:22537.3x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-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:2022-08-24

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:219.4V I:0.6748A P:146.3W PF:0.9886 Freq:60.01Hz Lamp Flux:22537.3x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-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	4379	4379	4379	4379	4379	4379	4379	4379	4379	4379	4379	4379	4379	4379	4379	4379	4379	4379	4379
5	4357	4408	4460	4505	4541	4569	4585	4589	4581	4559	4526	4482	4431	4377	4321	4270	4226	4193	4174
10	4363	4466	4568	4653	4724	4775	4806	4816	4804	4768	4708	4622	4520	4404	4283	4171	4077	4011	3975
15	4399	4556	4713	4839	4952	5030	5082	5093	5078	5023	4937	4803	4639	4455	4261	4081	3941	3860	3820
20	4468	4689	4908	5102	5275	5384	5453	5468	5445	5356	5222	5030	4793	4525	4246	3997	3835	3764	3729
25	4572	4869	5180	5439	5626	5744	5825	5863	5859	5772	5586	5308	4983	4613	4231	3921	3751	3677	3641
30	4717	5113	5503	5758	5932	6035	6117	6183	6219	6179	6014	5652	5220	4733	4222	3856	3671	3589	3553
35	4915	5417	5815	6044	6163	6230	6291	6376	6460	6496	6404	6110	5534	4894	4236	3799	3587	3494	3459
40	5179	5776	6107	6262	6300	6298	6313	6413	6557	6692	6697	6526	5950	5104	4263	3741	3497	3398	3363
45	5510	6099	6359	6399	6321	6213	6170	6287	6503	6762	6893	6802	6372	5336	4282	3659	3389	3296	3270
50	5808	6334	6539	6458	6232	6010	5909	6039	6328	6732	7002	6984	6628	5572	4244	3523	3240	3144	3136
55	5978	6514	6686	6449	6041	5683	5519	5653	6010	6558	6995	7076	6803	5779	4139	3289	2981	2827	2809
60	6198	6736	6734	6301	5661	5177	4939	5074	5471	6165	6838	7181	6974	5906	3877	2880	2468	2298	2299
65	6365	6988	6815	5965	5005	4390	4074	4212	4652	5547	6495	7021	6816	5621	3314	2170	1815	1692	1720
70	6195	6897	6481	5268	3975	3234	2839	3011	3513	4595	5729	6407	6043	4539	2259	1324	1092	1012	1049
75	5104	5796	5238	3849	2405	1557	1156	1254	1812	3046	4227	4493	4022	2616	987	571	502	466	453
80	2591	3077	2853	1676	535	371	341	314	336	859	1824	1713	1310	771	284	204	223	183	181
85	546	583	568	257	108	72.9	52.5	51.0	63.6	76.3	147	233	123	81.7	41.9	33.8	44.1	38.4	43.9
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:2022-08-24

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:219.4V I:0.6748A P:146.3W PF:0.9886 Freq:60.01Hz Lamp Flux:22537.3x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-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	4379	4379	4379	4379	4379														
5	4173	4188	4216	4256	4305														
10	3976	4008	4069	4151	4256														
15	3823	3862	3948	4072	4232														
20	3733	3763	3853	4014	4234														
25	3648	3680	3767	3961	4255														
30	3559	3596	3688	3912	4296														
35	3470	3512	3616	3872	4366														
40	3377	3423	3545	3851	4476														
45	3285	3331	3475	3843	4631														
50	3156	3211	3377	3817	4775														
55	2857	2989	3192	3730	4859														
60	2338	2508	2842	3518	4912														
65	1765	1915	2218	3083	4816														
70	1126	1286	1528	2327	4291														
75	514	616	788	1342	3109														
80	199	283	299	454	1373														
85	48.4	73.1	66.0	87.2	182														
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:2022-08-24

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: