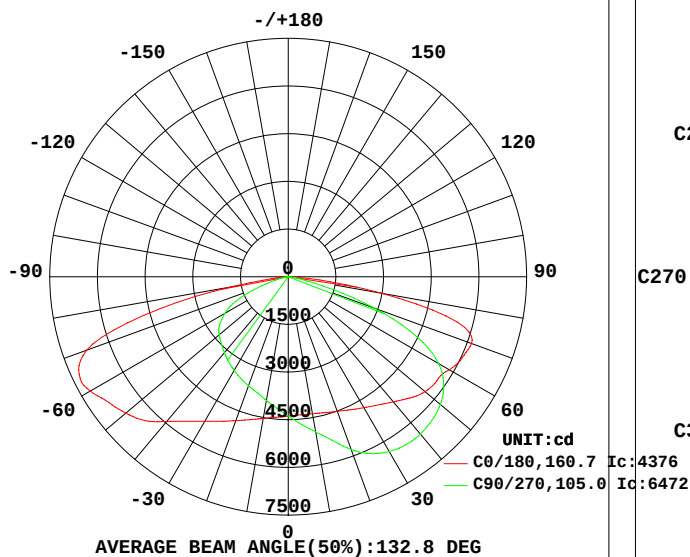
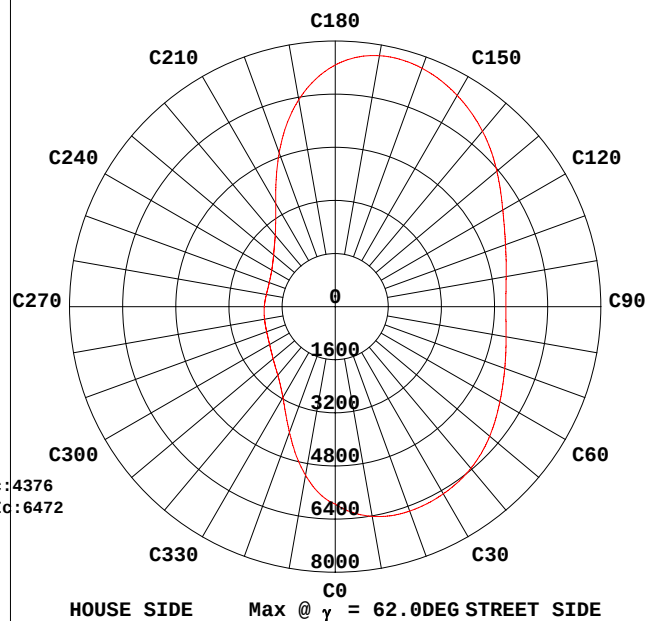


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.5V I:0.6982A P:151.7W PF:0.9899 Freq:60.01Hz Lamp Flux:22759.2x1 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: 150.04 lm/W			
MODEL	3030	I _{max} (cd)	7701	η street_up(%)	0.0
NOMINAL POWER(W)	150	LOR(%)	100.0	η street_down(%)	63.3
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	22759	η house_up(%)	0.0
NOMINAL FLUX(lm)	22759.2	MAXIMUM @(C,γ)	165,62.0	η house_down(%)	36.7
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	22.978

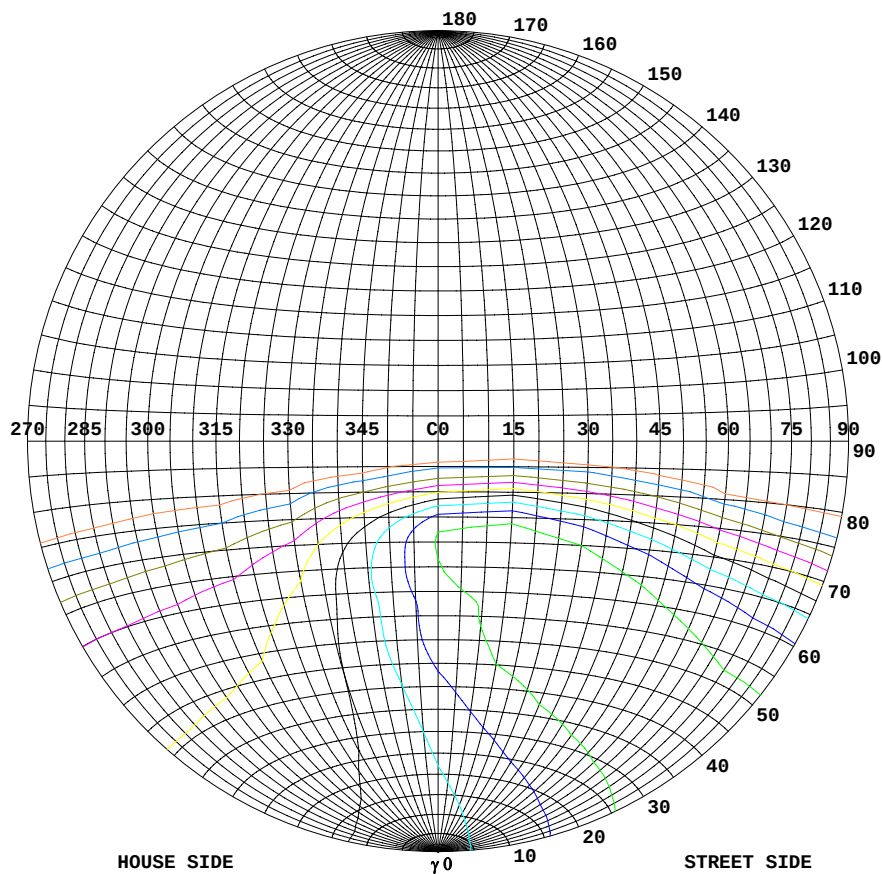
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-07-19

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:0.6982A P:151.7W PF:0.9899 Freq:60.01Hz Lamp Flux:22759.2x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:



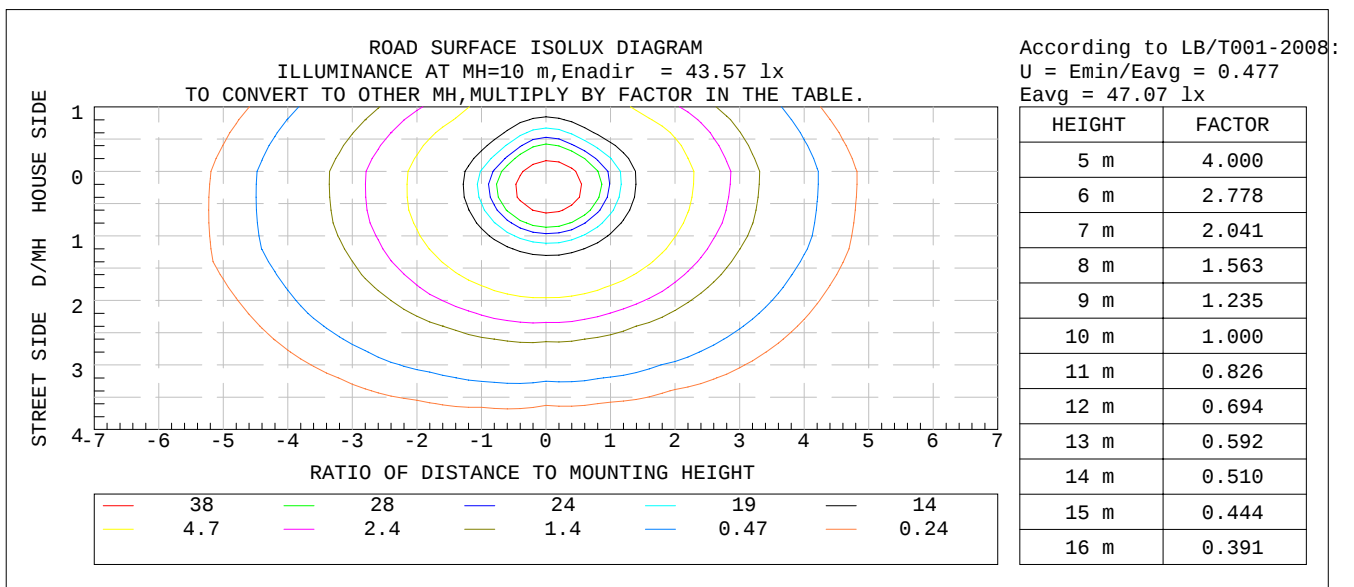
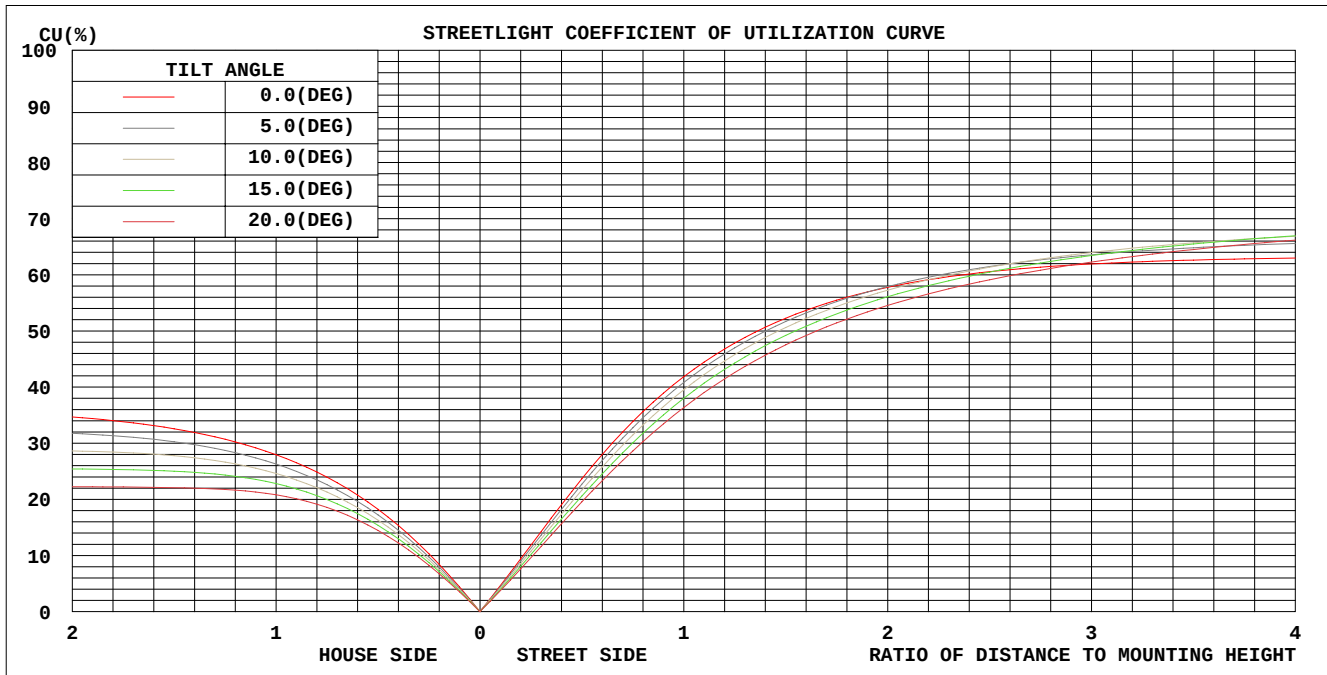
Classification:

IES:Type III - Short
 CIE:Average - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:152.5cd/klm
 Max.At90:0cd/klm
 Max.80-90:152.5cd/klm
 NRB 5101:Semi limited[24.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	7701
90%	6931
80%	6161
70%	5391
60%	4620
50%	3850
40%	3080
30%	2310
20%	1540
10%	770
5%	385

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-07-19

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: 2022-07-19

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:0.6982A P:151.7W PF:0.9899 Freq:60.01Hz Lamp Flux:22759.2x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

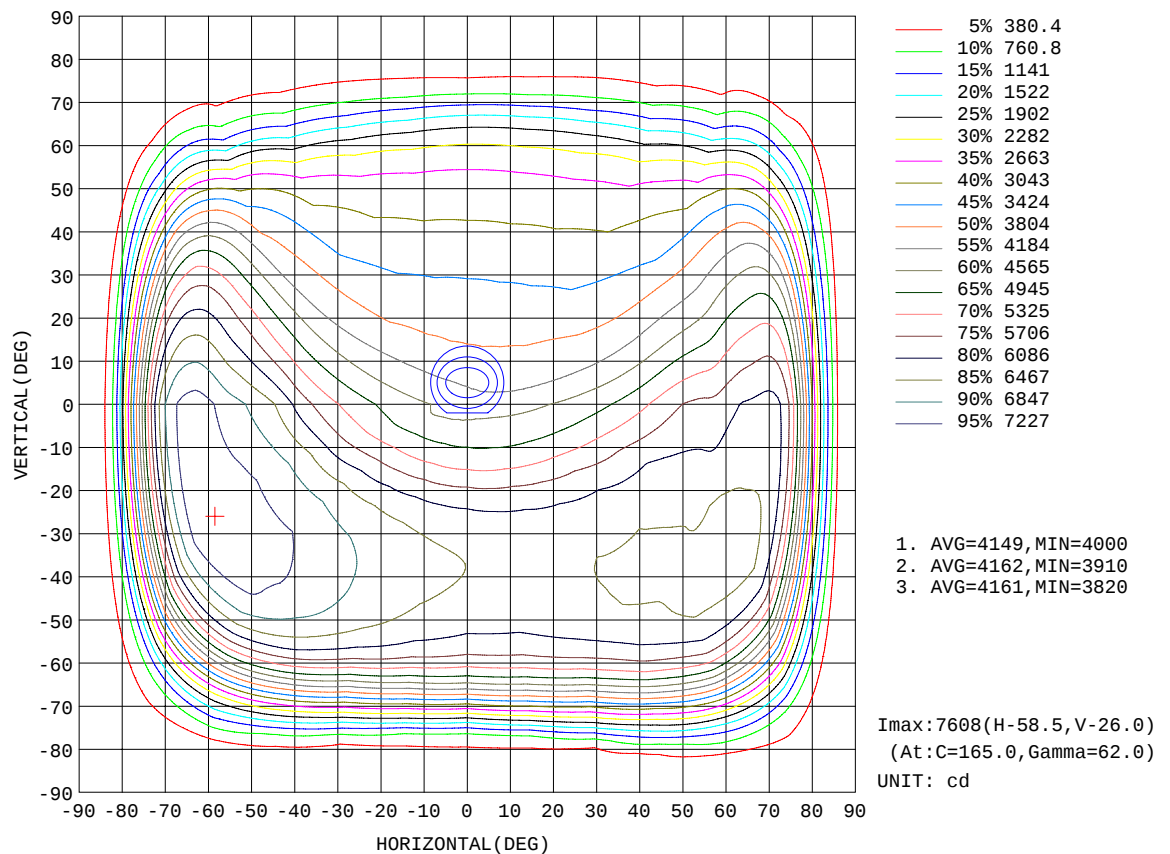
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4378	4747	4955	4886	4527	4130	3954	4054	0- 10	421.8	421.8	1.85,1.85
20	4508	5319	5785	5601	4820	3916	3654	3813	10- 20	1293	1715	7.54,7.54
30	4757	6001	6349	6437	5252	3705	3403	3580	20- 30	2233	3948	17.3,17.3
40	5140	6370	6462	6909	5940	3501	3123	3337	30- 40	3161	7110	31.2,31.2
50	5623	6460	6247	7080	6675	3256	2837	3067	40- 50	3975	11085	48.7,48.7
60	5853	6330	5460	6824	7193	2777	2307	2678	50- 60	4527	15612	68.6,68.6
70	6138	5165	2868	4840	6744	1365	1047	1619	60- 70	4376	19988	87.8,87.8
80	2965	1461	348.7	909.1	1775	212.5	177.8	280.5	70- 80	2469	22457	98.7,98.7
90	0	0	0	0	0	0	0	0	80- 90	302.5	22759	100,100
100	0	0	0	0	0	0	0	0	90-100	0	22759	100,100
110	0	0	0	0	0	0	0	0	100-110	0	22759	100,100
120	0	0	0	0	0	0	0	0	110-120	0	22759	100,100
130	0	0	0	0	0	0	0	0	120-130	0	22759	100,100
140	0	0	0	0	0	0	0	0	130-140	0	22759	100,100
150	0	0	0	0	0	0	0	0	140-150	0	22759	100,100
160	0	0	0	0	0	0	0	0	150-160	0	22759	100,100
170	0	0	0	0	0	0	0	0	160-170	0	22759	100,100
180	0	0	0	0	0	0	0	0	170-180	0	22759	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:2022-07-19

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

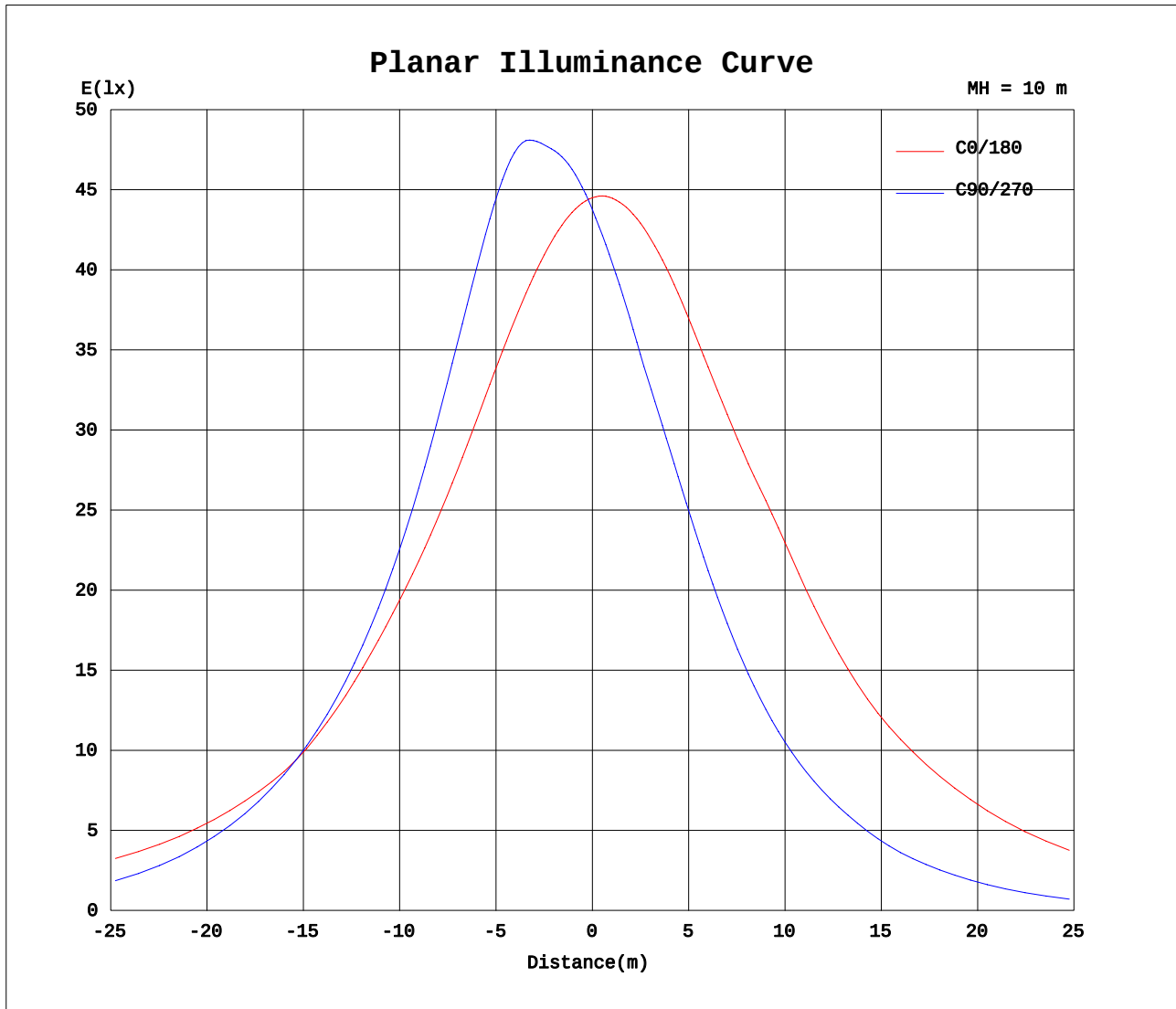
Test:U:219.5V I:0.6982A P:151.7W PF:0.9899 Freq:60.01Hz Lamp Flux:22759.2x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-19

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



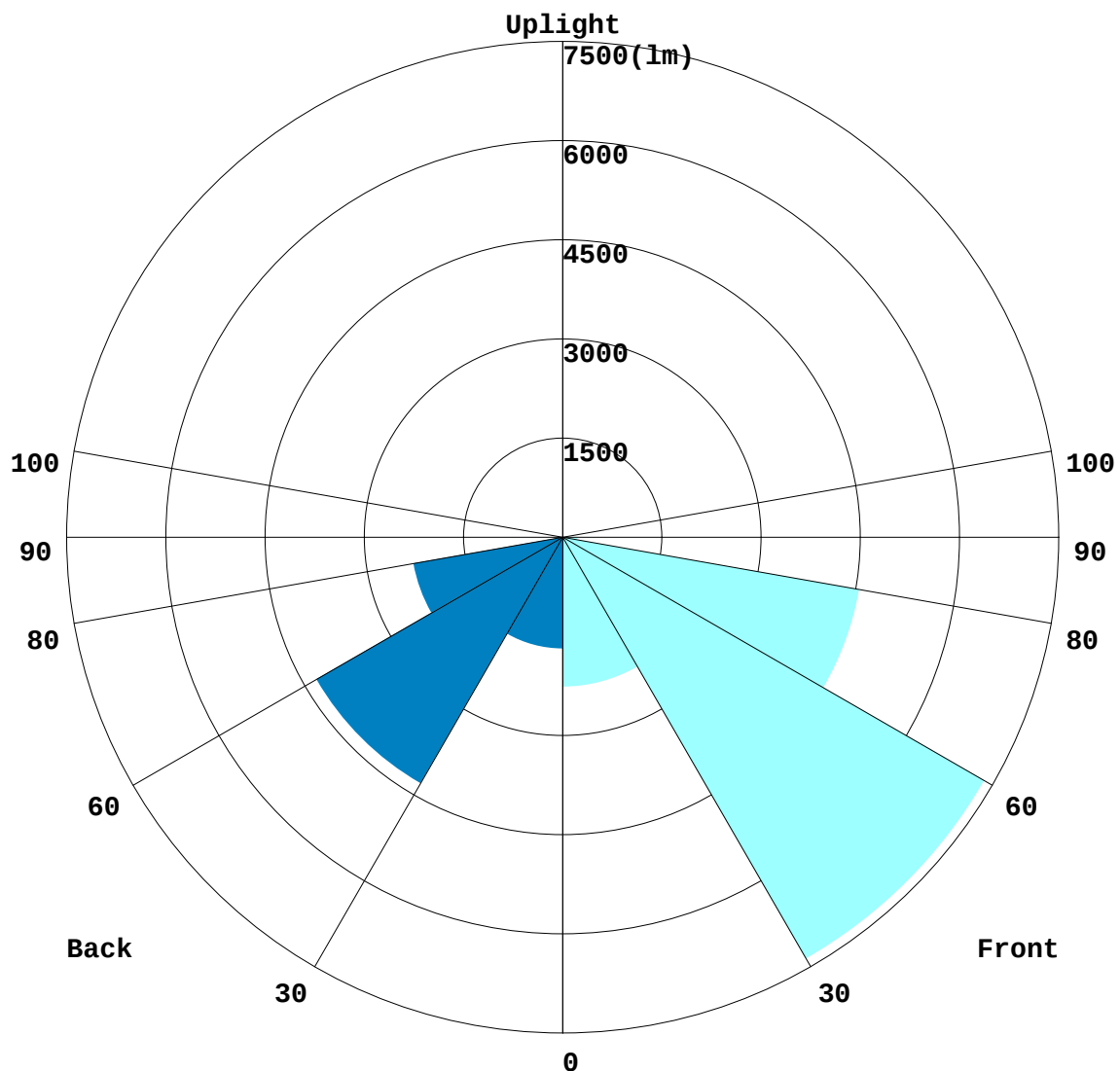
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-07-19

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:0.6982A P:151.7W PF:0.9899 Freq:60.01Hz Lamp Flux:22759.2x1 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:2022-07-19

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:0.6982A P:151.7W PF:0.9899 Freq:60.01Hz Lamp Flux:22759.2x1 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)	2262.4	9.9
FM - Front-Medium(30-60)	7363.6	32.4
FH - Front-High(60-80)	4554	20.0
FVH - Front-Very High(80-90)	224.55	1.0
Total Forward Light	14405	63.3

BL - Back-Low(0-30)	1685.9	7.4
BM - Back-Medium(30-60)	4299.8	18.9
BH - Back-High(60-80)	2290.9	10.1
BVH - Back-Very High(80-90)	77.946	0.3
Total Back Light	8354.6	36.7

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
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	8354.6	0	8354.6
Street Side	14405	0	14405

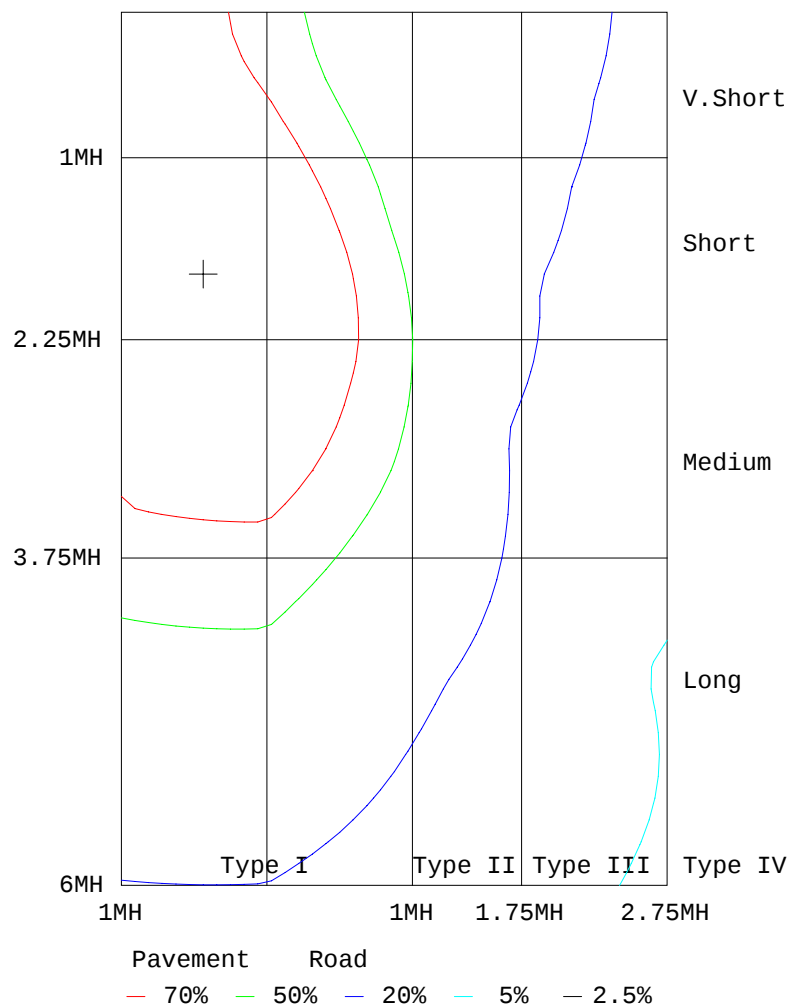
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-07-19

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:0.6982A P:151.7W PF:0.9899 Freq:60.01Hz Lamp Flux:22759.2x1 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:2022-07-19

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:0.6982A P:151.7W PF:0.9899 Freq:60.01Hz Lamp Flux:22759.2x1 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	4382	4382	4382	4382	4382	4382	4382	4382	4382	4382	4382	4382	4382	4382	4382	4382	4382	4382	4382
5	4363	4427	4491	4550	4598	4634	4654	4657	4642	4612	4564	4503	4437	4368	4302	4245	4199	4167	4151
10	4378	4507	4636	4747	4843	4913	4955	4966	4942	4886	4796	4670	4527	4382	4243	4130	4041	3983	3954
15	4426	4627	4823	4991	5142	5253	5324	5332	5293	5205	5074	4885	4656	4421	4203	4026	3891	3810	3775
20	4508	4790	5062	5319	5549	5695	5785	5794	5739	5601	5410	5147	4820	4479	4172	3916	3752	3681	3654
25	4619	4996	5383	5698	5920	6054	6138	6182	6162	6058	5812	5451	5019	4556	4136	3808	3633	3560	3533
30	4757	5255	5718	6001	6174	6276	6349	6424	6461	6437	6252	5812	5252	4658	4100	3705	3514	3431	3403
35	4925	5548	5992	6227	6328	6397	6454	6553	6651	6720	6628	6274	5550	4791	4071	3607	3387	3293	3266
40	5140	5848	6204	6370	6404	6424	6462	6587	6750	6909	6934	6713	5940	4962	4052	3501	3253	3148	3123
45	5398	6082	6355	6434	6397	6366	6390	6541	6763	7024	7175	7034	6397	5176	4036	3391	3104	3000	2979
50	5623	6216	6445	6460	6345	6250	6247	6429	6721	7080	7341	7268	6675	5388	3991	3256	2948	2846	2837
55	5708	6306	6503	6444	6226	6027	5972	6179	6554	7056	7446	7477	6890	5566	3908	3064	2752	2638	2630
60	5853	6430	6487	6330	5930	5598	5460	5664	6125	6824	7392	7683	7193	5688	3716	2777	2399	2279	2307
65	6037	6585	6496	5995	5252	4731	4469	4661	5197	6198	7057	7583	7255	5531	3287	2201	1857	1748	1805
70	6138	6539	6107	5165	3943	3252	2868	3097	3668	4840	5996	6867	6744	4716	2353	1365	1099	1016	1047
75	5507	5797	4875	3465	2197	1498	1148	1316	1838	2822	3916	4950	4706	2894	1050	587	499	452	430
80	2965	3471	2485	1461	529	384	349	347	410	909	1568	1900	1775	860	316	212	217	176	178
85	663	688	488	237	128	91.3	81.7	76.7	96.5	105	166	266	226	85.1	49.0	38.1	43.8	38.6	42.5
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:2022-07-19

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:0.6982A P:151.7W PF:0.9899 Freq:60.01Hz Lamp Flux:22759.2x1 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	4382	4382	4382	4382	4382														
5	4150	4164	4198	4242	4298														
10	3960	3991	4054	4139	4249														
15	3786	3834	3933	4059	4227														
20	3664	3704	3813	3992	4227														
25	3547	3590	3699	3921	4238														
30	3420	3469	3580	3840	4257														
35	3284	3334	3463	3757	4294														
40	3143	3198	3337	3681	4352														
45	2996	3053	3207	3609	4433														
50	2850	2898	3067	3521	4500														
55	2659	2721	2891	3399	4515														
60	2333	2440	2678	3238	4573														
65	1858	2005	2269	2998	4595														
70	1116	1288	1619	2482	4372														
75	489	589	773	1446	3436														
80	192	257	280	464	1549														
85	45.6	63.6	58.0	82.7	198														
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:2022-07-19

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: