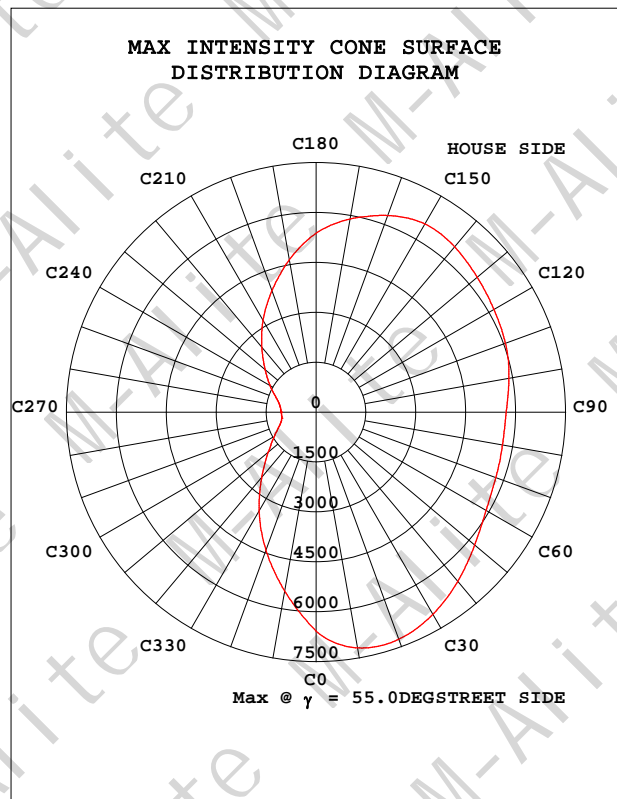
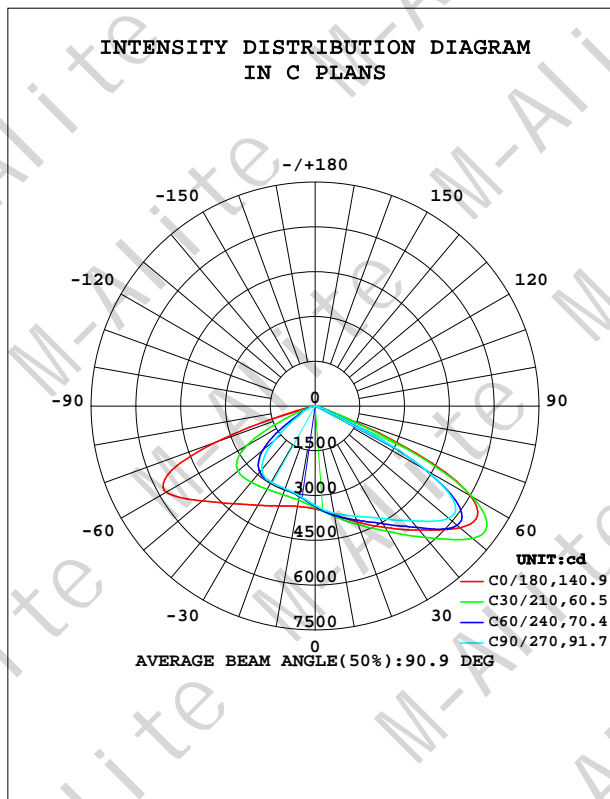


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:222.52V I:0.5076A P:112.01W PF:0.9917 Freq:49.98Hz Lamp Flux:15701.2x1 lm		
NAME:	TYPE:	WEIGHT: /
SPEC.:	DIM.:	SERIAL No.:/
MFR.:	SUR.:	Shielding Angle:/

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.17 lm/W			
MODEL	50	I <sub>max</sub> (cd)	7281	η <sub>street_up</sub> (%)	0.0
NOMINAL POWER(W)	100	LOR(%)	100.0	η <sub>street_down</sub> (%)	53.3
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	15701	η <sub>house_up</sub> (%)	0.0
NOMINAL FLUX(lm)	15701.2	MAXIMUM @ (C, γ )	15,55.0	η <sub>house_down</sub> (%)	46.7
LAMPS INSIDE	1	η <sub>up</sub> (%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	110	η <sub>down</sub> (%)	100.0	SLI	16.498

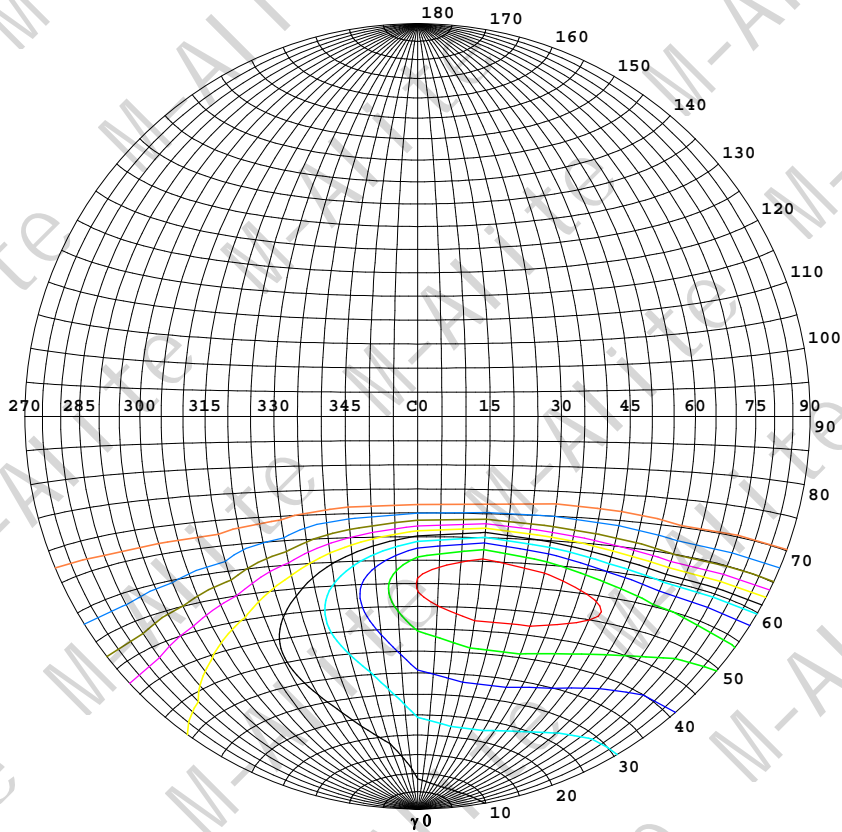


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: MR mark  
 Test Date: 2022-06-10

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity: 65.0%  
 Test Distance: 8.880m [K=1.0000]  
 Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:222.52V I:0.5076A P:112.01W PF:0.9917 Freq:49.98Hz Lamp Flux:15701.2x1 lm		
NAME:	TYPE:	WEIGHT: /
SPEC.:	DIM.:	SERIAL No.:/
MFR.:	SUR.:	Shielding Angle:/



**Classification:**

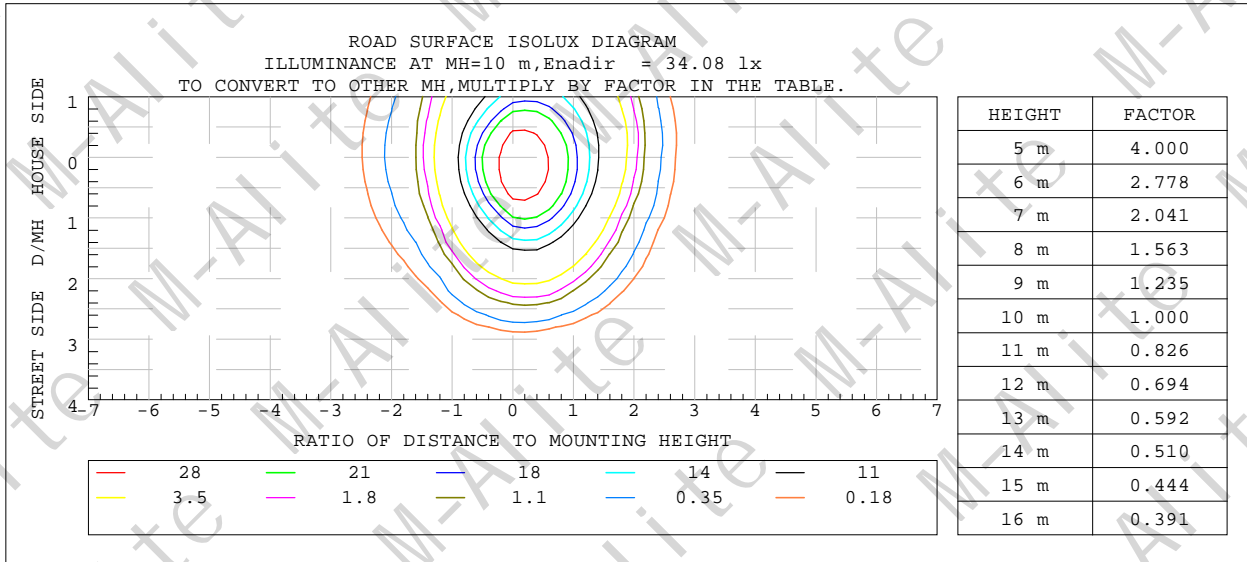
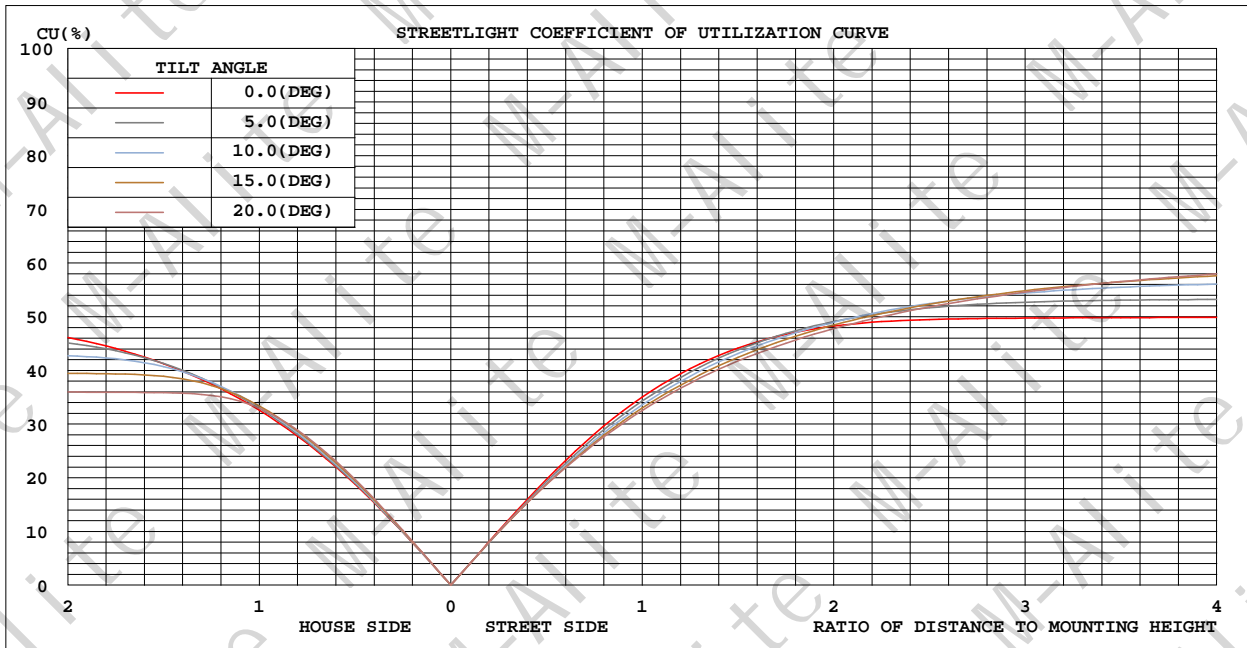
IES:Type III - Short  
 CIE:Broad - Short  
 IES:Cut-off  
 CIE:Full cut-off  
 Max.At80:7.138cd/klm  
 Max.At90:0.9470cd/klm  
 Max.80-90:7.138cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7281
90%	6552
80%	5824
70%	5096
60%	4368
50%	3640
40%	2912
30%	2184
20%	1456
10%	728
5%	364

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:MR mark  
 Test Date:2022-06-10

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:8.880m [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: MR mark  
Test Date: 2022-06-10

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 8.880m [K=1.0000]  
Remarks:

ZONAL FLUX DIAGRAM

Test:U:222.52V I:0.5076A P:112.01W PF:0.9917 Freq:49.98Hz Lamp Flux:15701.2x1 lm		
NAME:	TYPE:	WEIGHT: /
SPEC.:	DIM.:	SERIAL No.:/
MFR.:	SUR.:	Shielding Angle: /

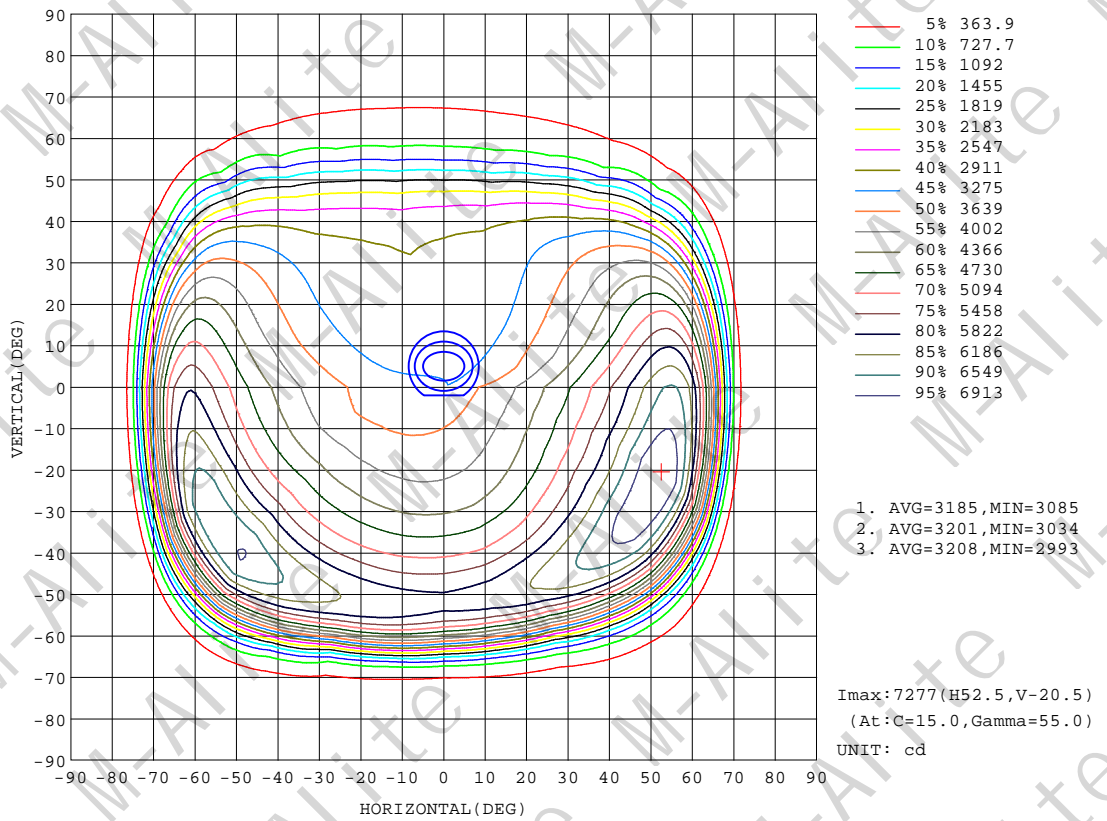
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	\$lum,lamp
10	3691	3744	3644	3492	3411	3128	3053	3206	0- 10	322.2	322.2	2.05,2.05
20	4133	4160	3925	3783	3562	3029	2950	3252	10- 20	990.0	1312	8.36,8.36
30	4696	4715	4335	4208	3837	3043	2946	3369	20- 30	1725	3037	19.3,19.3
40	5423	5552	5008	4858	4269	3044	2776	3439	30- 40	2562	5599	35.7,35.7
50	6340	6559	5849	5872	4941	2743	1801	2970	40- 50	3465	9065	57.7,57.7
60	6011	5047	4287	6290	5766	1428	605.5	1069	50- 60	3940	13005	82.8,82.8
70	688.6	553.7	376.1	1326	3533	369.8	271.0	285.0	60- 70	2329	15334	97.7,97.7
80	44.30	38.64	35.17	80.31	103.3	98.90	84.33	57.02	70- 80	344.2	15678	99.9,99.9
90	8.842	2.604	1.829	2.114	10.04	9.032	6.443	12.10	80- 90	23.36	15701	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:MR mark  
 Test Date:2022-06-10

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:8.880m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

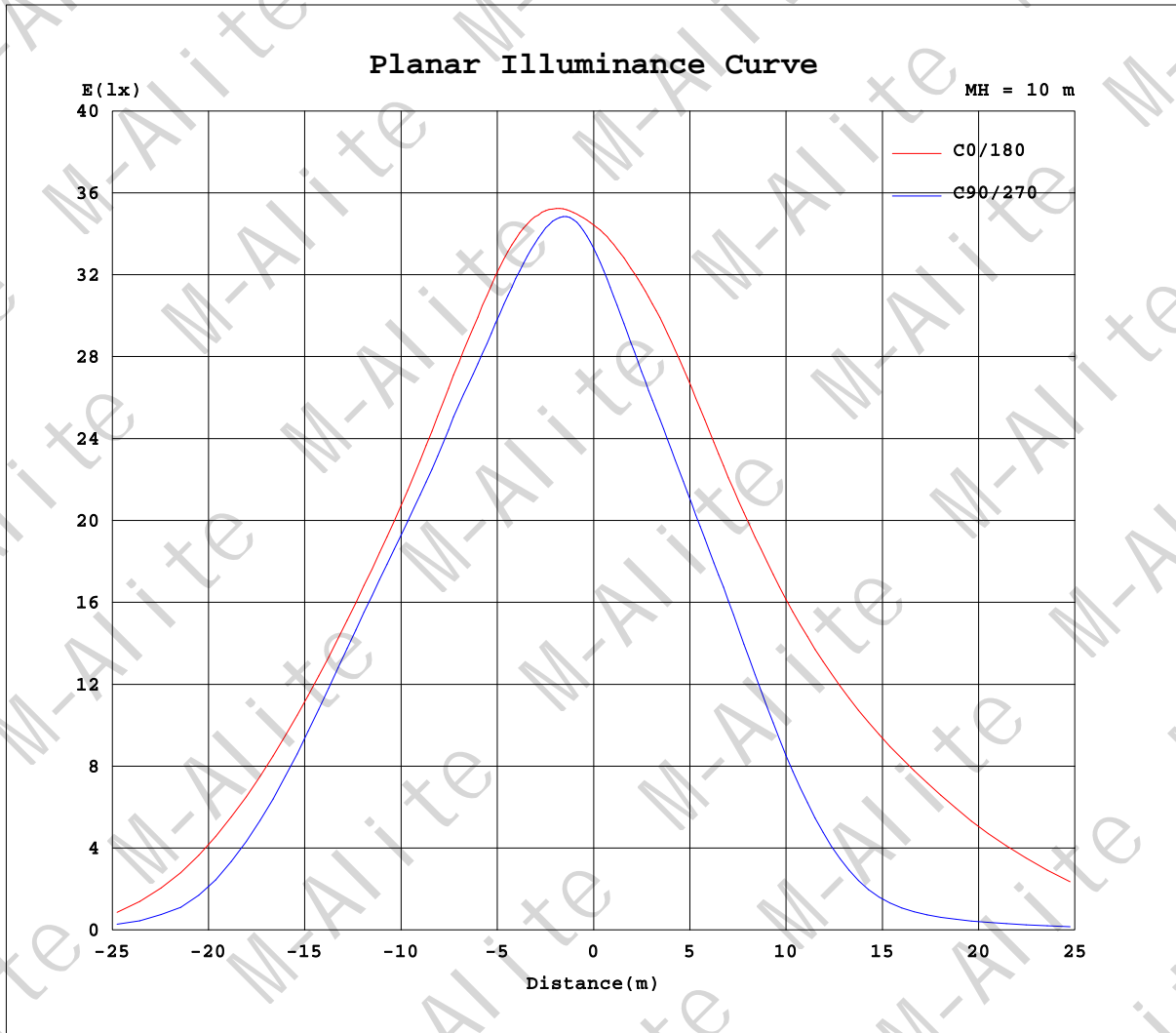
Test:U:222.52V I:0.5076A P:112.01W PF:0.9917 Freq:49.98Hz Lamp Flux:15701.2x1 lm		
NAME:	TYPE:	WEIGHT: /
SPEC.:	DIM.:	SERIAL No.:/
MFR.:	SUR.:	Shielding Angle: /



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: MR mark  
 Test Date: 2022-06-10

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity: 65.0%  
 Test Distance: 8.880m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



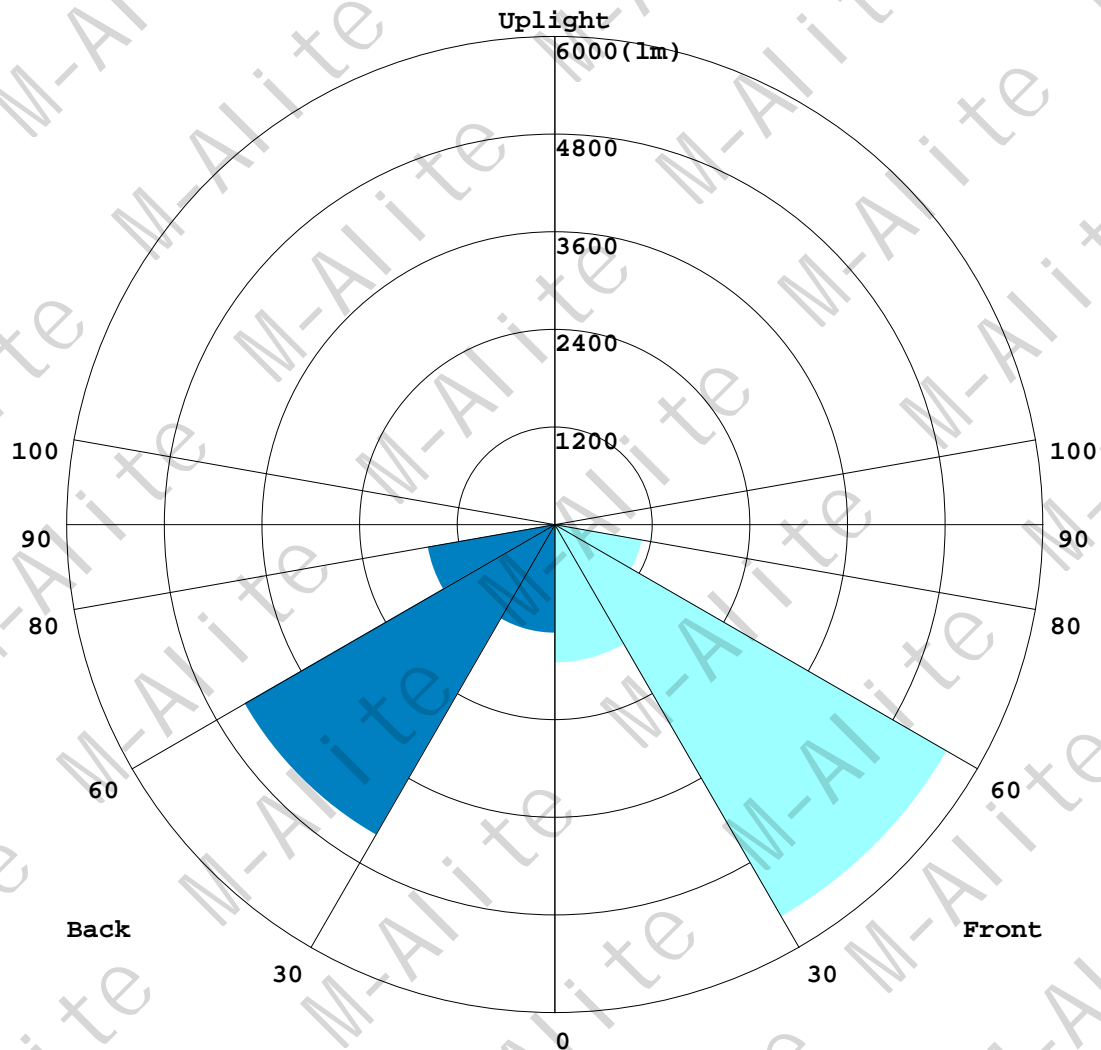
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: MR mark  
 Test Date: 2022-06-10

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity: 65.0%  
 Test Distance: 8.880m [K=1.0000]  
 Remarks:

**LCS REPORT**

Test:U:222.52V I:0.5076A P:112.01W PF:0.9917 Freq:49.98Hz Lamp Flux:15701.2x1 lm		
NAME:	TYPE:	WEIGHT: /
SPEC.:	DIM.:	SERIAL No.:/
MFR.:	SUR.:	Shielding Angle: /

**LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH**



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: MR mark  
 Test Date: 2022-06-10

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity: 65.0%  
 Test Distance: 8.880m [K=1.0000]  
 Remarks:

**BUG REPORT**

Test:U:222.52V I:0.5076A P:112.01W PF:0.9917 Freq:49.98Hz Lamp Flux:15701.2x1 lm		
NAME:	TYPE:	WEIGHT: /
SPEC.:	DIM.:	SERIAL No.:/
MFR.:	SUR.:	Shielding Angle: /

**IESNA Luminaire Flux Distribution Table:**

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1701.6	10.8
FM - Front-Medium(30-60)	5566.4	35.5
FH - Front-High(60-80)	1089.2	6.9
FVH - Front-Very High(80-90)	9.5449	0.1
<b>Total Forward Light</b>	<b>8366.7</b>	<b>53.3</b>

BL - Back-Low(0-30)	1335.6	8.5
BM - Back-Medium(30-60)	4401.4	28.0
BH - Back-High(60-80)	1583.6	10.1
BVH - Back-Very High(80-90)	13.818	0.1
<b>Total Back Light</b>	<b>7334.5</b>	<b>46.7</b>

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
<b>Total Up Light</b>	<b>0</b>	<b>0.0</b>

BUG(Back,Up,Glare) Rating	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7334.5	0	7334.5
Street Side	8366.7	0	8366.7

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: MR mark  
 Test Date: 2022-06-10

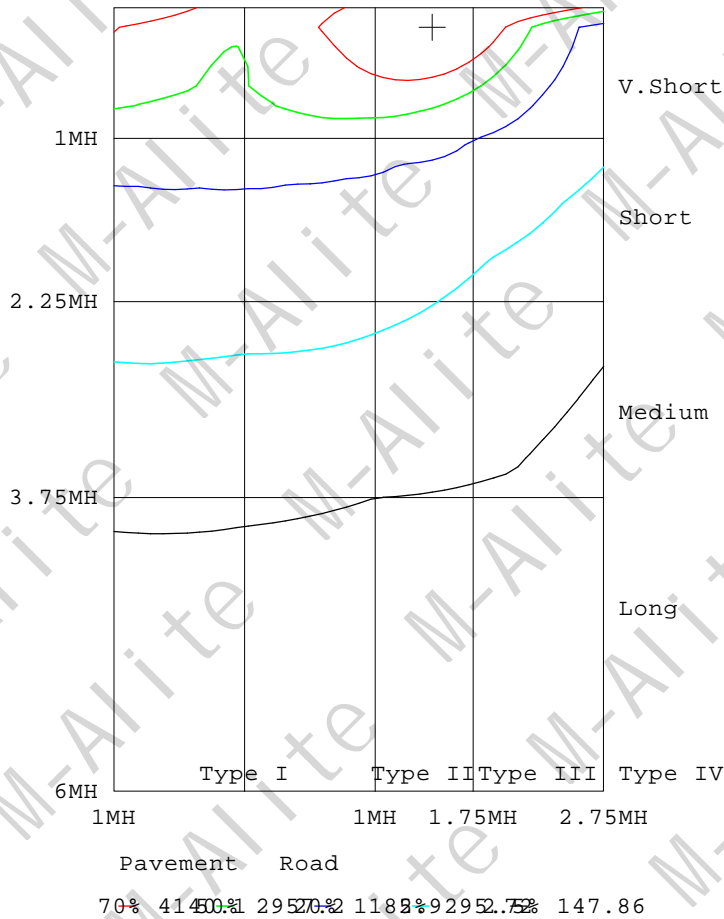
γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity: 65.0%  
 Test Distance: 8.880m [K=1.0000]  
 Remarks:



ROAD ISOCANDELA REPORT

Test:U:222.52V I:0.5076A P:112.01W PF:0.9917 Freq:49.98Hz Lamp Flux:15701.2x1 lm		
NAME:	TYPE:	WEIGHT: /
SPEC.:	DIM.:	SERIAL No.:/
MFR.:	SUR.:	Shielding Angle: /

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: MR mark  
 Test Date: 2022-06-10

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity: 65.0%  
 Test Distance: 8.880m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:222.52V I:0.5076A P:112.01W PF:0.9917 Freq:49.98Hz Lamp Flux:15701.2x1 lm		
NAME:	TYPE:	WEIGHT: /
SPEC.:	DIM.:	SERIAL No.:/
MFR.:	SUR.:	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	3444	3418	3401	3378	3364	3343	3330	3314	3305	3292	3280	3269	3444	3418	3401	3378	3364	3343	3330
5	3537	3550	3559	3555	3542	3520	3497	3464	3428	3381	3334	3281	3406	3339	3283	3236	3204	3178	3175
10	3691	3736	3759	3744	3721	3681	3644	3601	3552	3492	3419	3332	3411	3298	3204	3128	3077	3050	3053
15	3890	3964	3979	3942	3892	3829	3778	3734	3682	3624	3547	3430	3465	3297	3165	3059	2996	2968	2977
20	4133	4224	4227	4160	4069	3985	3925	3878	3836	3783	3708	3570	3562	3335	3160	3029	2962	2938	2950
25	4403	4521	4510	4406	4281	4170	4106	4057	4024	3975	3894	3733	3686	3407	3179	3031	2956	2928	2945
30	4696	4854	4845	4715	4549	4411	4335	4283	4250	4208	4119	3930	3837	3497	3220	3043	2954	2927	2946
35	5043	5263	5264	5106	4901	4742	4669	4600	4549	4489	4398	4177	4022	3607	3275	3051	2948	2890	2928
40	5423	5720	5740	5552	5308	5099	5008	4944	4909	4858	4777	4508	4269	3748	3334	3044	2892	2758	2776
45	5866	6280	6309	6096	5834	5581	5460	5389	5355	5289	5212	4887	4570	3922	3387	2966	2694	2448	2415
50	6340	6911	6890	6559	6215	5964	5849	5868	5883	5872	5832	5408	4941	4114	3378	2743	2284	1899	1801
55	6585	7281	7019	6423	5901	5716	5714	5983	6176	6401	6538	6097	5382	4261	3194	2257	1599	1171	1056
60	6011	6708	6055	5047	4235	4120	4287	4899	5441	6290	6940	6731	5766	4178	2654	1428	844	642	605
65	3728	4388	3448	2284	1449	1414	1492	2082	2822	4558	6051	6425	5460	3367	1562	641	488	443	428
70	689	794	710	554	382	382	376	445	553	1326	2938	3937	3533	1504	515	370	341	309	271
75	168	185	201	174	152	138	134	169	220	321	475	602	699	337	245	221	218	176	162
80	44.3	47.1	42.7	38.6	39.0	33.0	35.2	50.7	73.0	80.3	104	87.4	103	112	107	98.9	110	89.0	84.3
85	5.89	4.41	3.12	2.52	2.19	1.91	1.51	1.73	3.33	5.46	4.65	3.97	10.0	22.6	29.1	31.2	33.0	28.8	24.3
90	8.84	6.44	4.09	2.60	2.07	1.98	1.83	1.76	1.82	2.11	2.99	4.32	10.0	11.1	10.6	9.03	7.61	6.46	6.44

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: MR mark  
 Test Date: 2022-06-10

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity: 65.0%  
 Test Distance: 8.880m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:222.52V I:0.5076A P:112.01W PF:0.9917 Freq:49.98Hz Lamp Flux:15701.2x1 lm		
NAME:	TYPE:	WEIGHT: /
SPEC.:	DIM.:	SERIAL No.:/
MFR.:	SUR.:	Shielding Angle: /

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345															
0	3314	3305	3292	3280	3269															
5	3180	3203	3234	3270	3310															
10	3075	3129	3206	3304	3400															
15	3014	3097	3217	3372	3536															
20	2997	3095	3252	3472	3705															
25	2999	3114	3308	3586	3898															
30	3004	3139	3369	3712	4106															
35	2984	3150	3425	3843	4340															
40	2861	3097	3439	3957	4576															
45	2518	2880	3333	4022	4817															
50	1883	2335	2970	3910	4999															
55	1089	1454	2180	3430	4925															
60	592	680	1069	2311	4121															
65	411	420	452	836	2194															
70	284	287	285	327	504															
75	158	175	162	163	176															
80	75.1	78.0	57.0	56.7	56.3															
85	20.3	17.1	14.4	13.4	11.9															
90	7.46	9.50	12.1	14.4	14.9															

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: MR mark  
 Test Date: 2022-06-10

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity: 65.0%  
 Test Distance: 8.880m [K=1.0000]  
 Remarks: