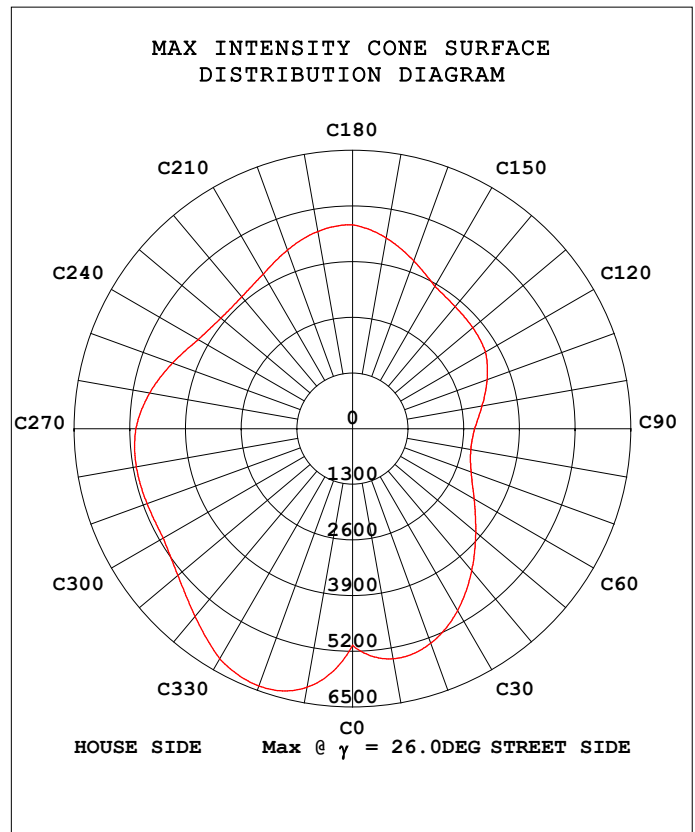
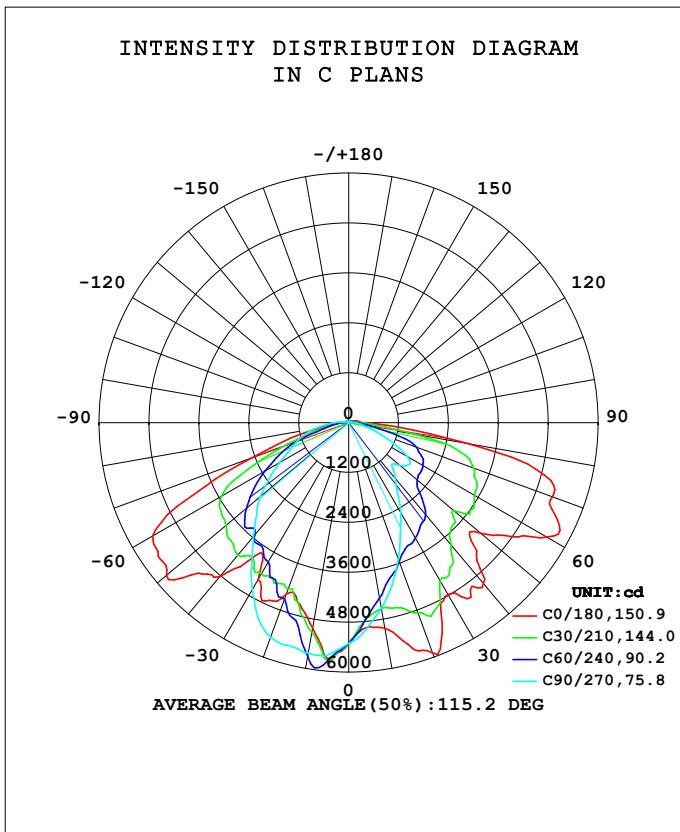


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.65V I:1.1854A P:256.98W PF:0.9439 Freq:49.99Hz Lamp Flux:16781.1x1 lm		
NAME: M E G A T E R R A 250W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: B B T L I G H T I N G	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 65.30 lm/W
MODEL	3000K	I _{max} (cd)	6205	η street_up (%)	1.2	
NOMINAL POWER (W)	230	LOR (%)	100.0	η street_down (%)	45.8	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	16781	η house_up (%)	1.2	
NOMINAL FLUX (lm)	16781.1	MAXIMUM @ (C, γ)	330,26.0	η house_down (%)	51.9	
LAMPS INSIDE	1	η up (%)	2.4	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	230	η down (%)	97.6	SLI	24.637	

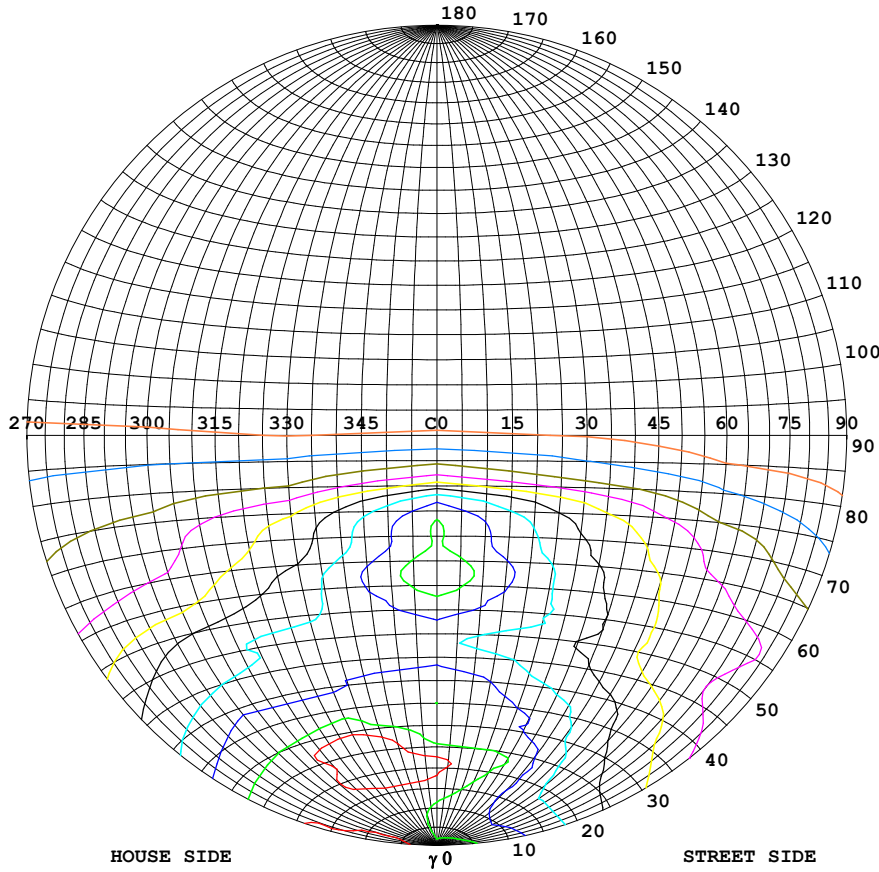


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2023-09-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.471
 Humidity: 65.0%
 Test Distance: 9.345m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:229.65V I:1.1854A P:256.98W PF:0.9439 Freq:49.99Hz Lamp Flux:16781.1x1 lm		
NAME: M E G A T E R R A 250W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: B B T L I G H T I N G	SUR.:	Shielding Angle:



Classification:

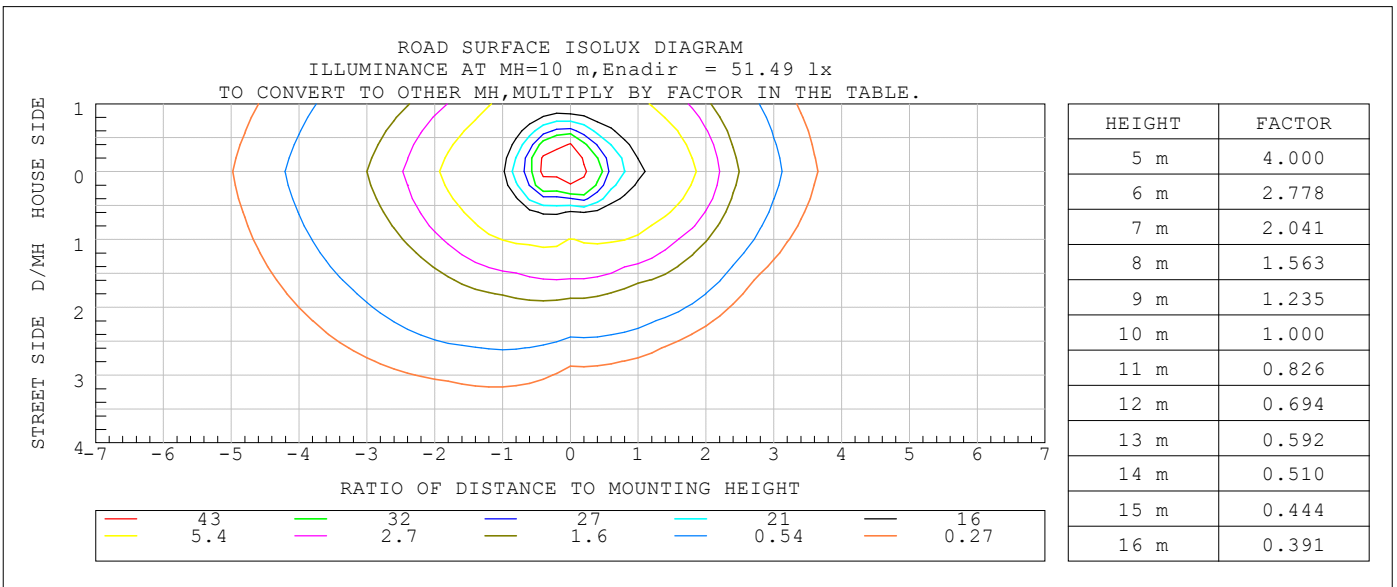
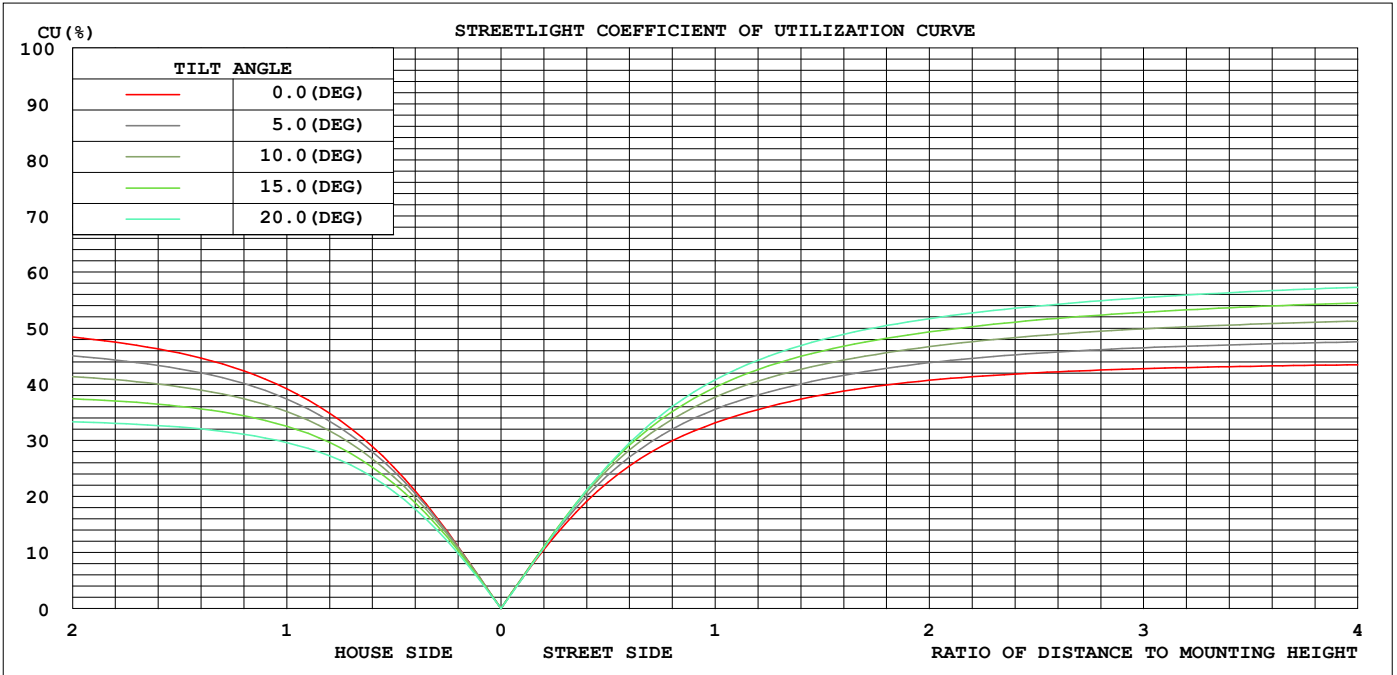
IES:Type II - Very Short
 CIE:Narrow - Short
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:173.4cd/klm
 Max.At90:21.48cd/klm
 Max.80-90:173.4cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	6205
— 90%	5585
— 80%	4964
— 70%	4344
— 60%	3723
— 50%	3103
— 40%	2482
— 30%	1862
— 20%	1241
— 10%	621
— 5%	310

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-09-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
 Humidity:65.0%
 Test Distance:9.345m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2023-09-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity: 65.0%
Test Distance: 9.345m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:229.65V I:1.1854A P:256.98W PF:0.9439 Freq:49.99Hz Lamp Flux:16781.1x1 lm		
NAME: M E G A T E R R A 250W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: B B T L I G H T I N G	SUR.:	Shielding Angle:

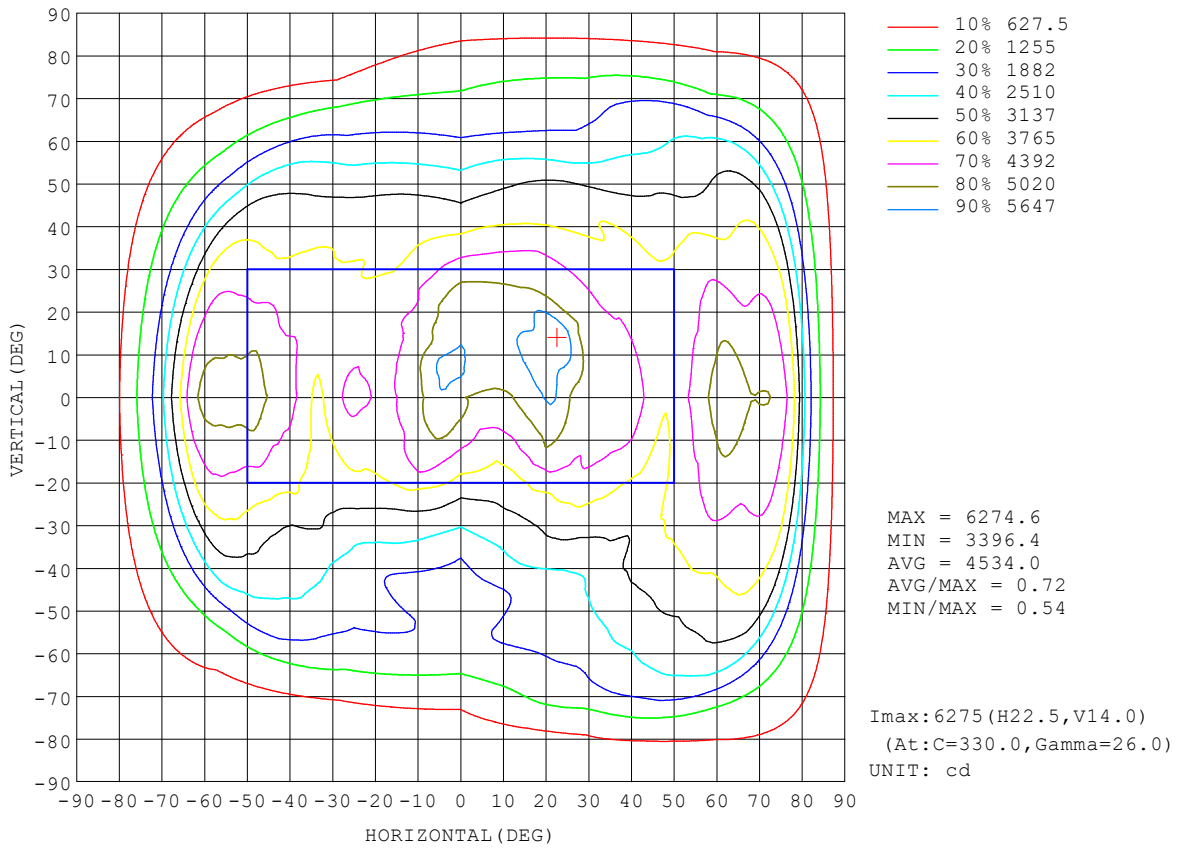
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5020	4408	4532	5019	5007	5412	5622	5312	0- 10	495.8	495.8	2.95,2.95
20	5892	4209	3494	4147	4387	4390	5494	5591	10- 20	1359	1855	11.1,11.1
30	4775	3798	2518	3417	4366	4031	4640	5081	20- 30	2043	3898	23.2,23.2
40	5040	3358	1738	2811	4831	3837	3568	4169	30- 40	2387	6285	37.5,37.5
50	4134	2725	1595	2540	5723	3529	2787	3728	40- 50	2621	8907	53.1,53.1
60	5496	2776	1625	2250	5442	2924	1924	2850	50- 60	2835	11741	70,70
70	5217	2465	787.9	1149	2480	1508	1327	2212	60- 70	2526	14267	85,85
80	2909	1135	340.2	347.8	637.0	439.2	817.9	1127	70- 80	1594	15861	94.5,94.5
90	360.4	246.4	162.6	133.2	198.4	161.4	351.3	323.6	80- 90	521.3	16382	97.6,97.6
100	220.8	124.1	64.17	84.57	113.0	90.43	115.9	145.2	90-100	181.7	16564	98.7,98.7
110	114.5	76.70	41.80	51.07	82.28	47.41	7.316	70.14	100-110	89.15	16653	99.2,99.2
120	83.05	47.30	31.64	29.33	58.06	26.60	9.733	36.93	110-120	48.97	16702	99.5,99.5
130	50.11	29.61	19.89	20.06	31.24	17.67	12.61	23.32	120-130	27.54	16729	99.7,99.7
140	25.70	23.24	21.34	22.46	24.98	17.90	15.71	19.63	130-140	17.14	16746	99.8,99.8
150	22.82	24.84	24.44	25.08	25.36	20.27	19.10	21.29	140-150	13.71	16760	99.9,99.9
160	24.53	26.55	26.48	26.69	26.40	22.95	22.29	23.33	150-160	11.03	16771	99.9,99.9
170	26.20	26.95	27.61	28.13	28.63	25.90	25.58	25.75	160-170	7.301	16779	100,100
180	28.70	27.36	27.67	28.27	28.69	27.36	27.70	28.27	170-180	2.606	16781	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-09-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
 Humidity:65.0%
 Test Distance:9.345m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

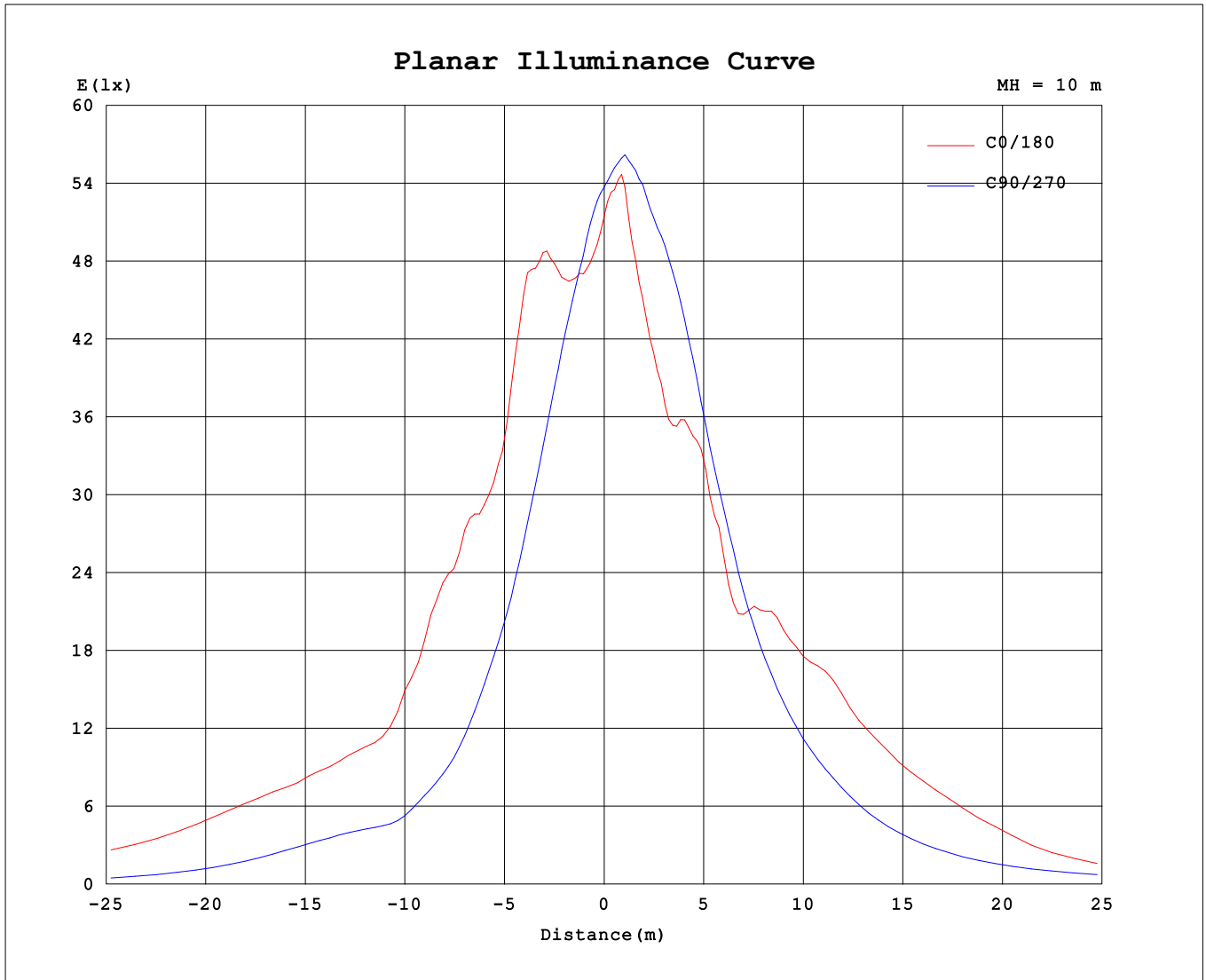
Test:U:229.65V I:1.1854A P:256.98W PF:0.9439 Freq:49.99Hz Lamp Flux:16781.1x1 lm		
NAME: MEGATERRA 250W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT LIGHTING	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2023-09-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.471
 Humidity: 65.0%
 Test Distance: 9.345m [K=1.0000]
 Remarks:

Planar Illuminance Curve



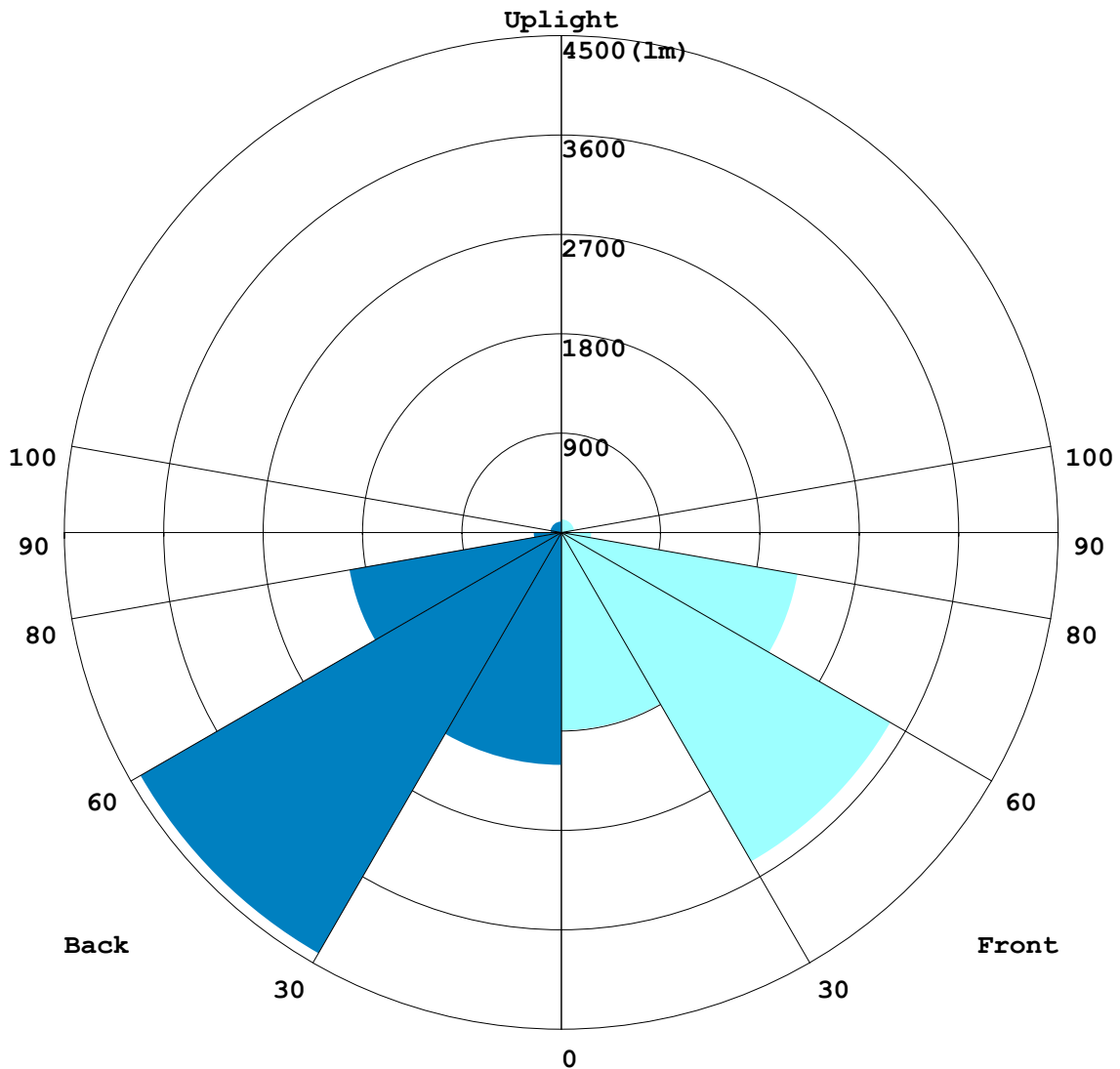
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2023-09-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.471
 Humidity: 65.0%
 Test Distance: 9.345m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:229.65V I:1.1854A P:256.98W PF:0.9439 Freq:49.99Hz Lamp Flux:16781.1x1 lm		
NAME: M E G A T E R R A 250W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: B B T L I G H T I N G	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-09-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
 Humidity:65.0%
 Test Distance:9.345m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:229.65V I:1.1854A P:256.98W PF:0.9439 Freq:49.99Hz Lamp Flux:16781.1x1 lm		
NAME: M E G A T E R R A 250W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: B B T L I G H T I N G	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1792.4	10.7
FM - Front-Medium(30-60)	3441.1	20.5
FH - Front-High(60-80)	2172.4	12.9
FVH - Front-Very High(80-90)	271.49	1.6
Total Forward Light	7881.4	47.0

BL - Back-Low(0-30)	2105.6	12.5
BM - Back-Medium(30-60)	4401.9	26.2
BH - Back-High(60-80)	1947.2	11.6
BVH - Back-Very High(80-90)	249.81	1.5
Total Back Light	8899.8	53.0

UL - Uplight-Low(90-100)	181.75	1.1
UH - Uplight-High(100-180)	217.44	1.3
Total Up Light	399.19	2.4

BUG(Back,Up,Glare) Rating	B3-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	8704.6	195.24	8899.8
Street Side	7677.4	203.95	7881.4

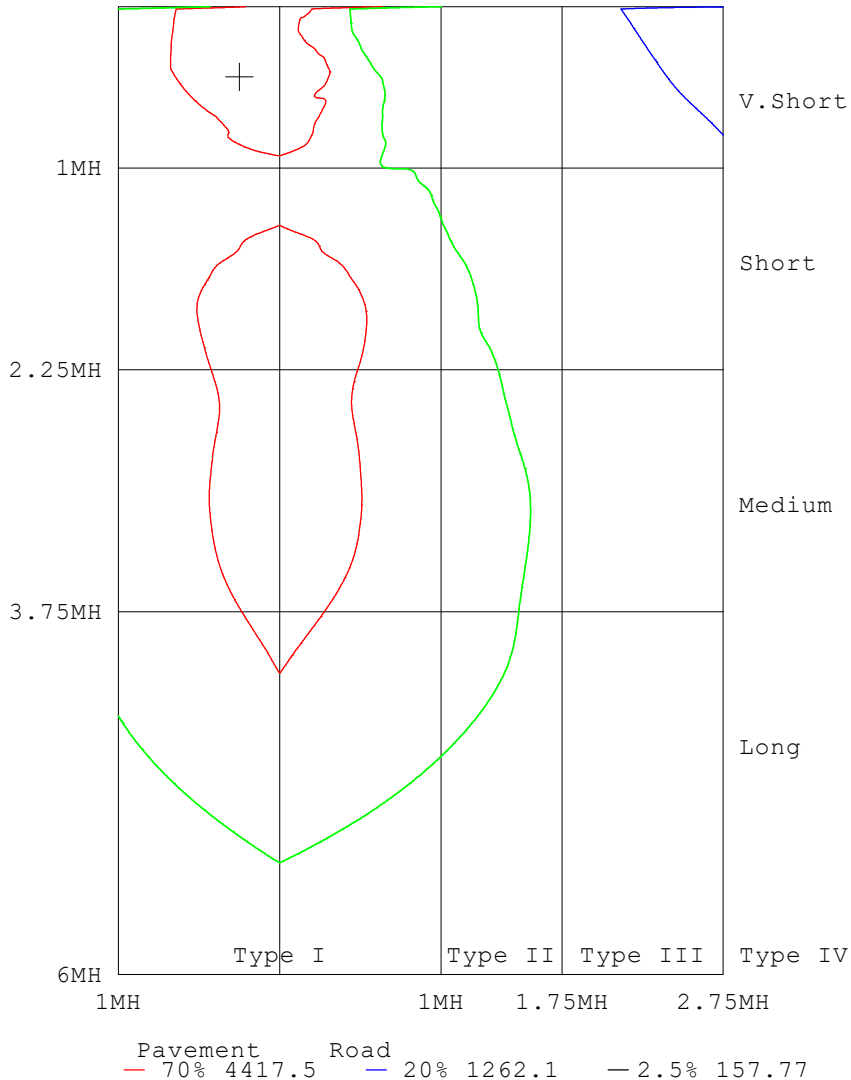
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-09-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
 Humidity:65.0%
 Test Distance:9.345m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:229.65V I:1.1854A P:256.98W PF:0.9439 Freq:49.99Hz Lamp Flux:16781.1x1 lm		
NAME: MEGATERRA 250W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT LIGHTING	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-09-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
 Humidity:65.0%
 Test Distance:9.345m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.65V I:1.1854A P:256.98W PF:0.9439 Freq:49.99Hz Lamp Flux:16781.1x1 lm		
NAME: M E G A T E R R A 250W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: B B T L I G H T I N G	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	5312	5312	5312	5312	5312	5312	5312	5312	5312	5312	5312	5312							
5	4946	4759	4735	4973	5231	5508	5707	5765	5742	5595	5380	5160							
10	5020	4535	4283	4532	5091	4947	5007	5115	5706	5622	5360	5264							
15	5517	4611	3855	4043	4703	4384	4526	4591	4926	5549	5272	5413							
20	5892	4868	3557	3494	4338	3957	4387	4259	4520	5494	5310	5872							
25	5323	4950	3299	2941	3689	3912	4736	4254	4172	5176	5128	6042							
30	4775	4400	3201	2518	3056	3779	4366	4196	3867	4640	4887	5275							
35	5125	4249	3017	2062	2731	3427	3904	4009	3638	4059	4589	4670							
40	5040	3840	2880	1738	2226	3397	4831	4159	3517	3568	4150	4188							
45	4353	3518	2446	1477	1928	3424	5123	4009	3538	3130	3659	4018							
50	4134	3300	2156	1595	2000	3082	5723	3853	3208	2787	3451	4007							
55	4783	3628	2105	1769	1973	2968	5594	3742	2795	2322	3039	3583							
60	5496	3497	2062	1625	1718	2782	5442	3534	2319	1924	2293	3407							
65	5539	3396	1950	1213	1395	2347	4157	2707	1850	1570	1897	3081							
70	5217	3196	1740	788	913	1386	2480	1658	1359	1327	1670	2755							
75	4862	2811	1255	511	512	696	1446	939	722	1082	1388	2382							
80	2909	1613	661	340	278	417	637	445	433	818	978	1277							
85	1122	635	319	226	191	197	286	222	280	542	603	658							
90	360	300	193	163	143	123	198	149	174	351	349	298							
95	259	173	145	129	113	99.8	155	127	122	229	221	180							
100	221	135	113	64.2	87.0	82.1	113	101	80.0	116	146	144							
105	160	109	86.4	40.7	66.8	65.4	91.4	79.0	51.1	32.3	84.5	118							
110	115	88.3	65.2	41.8	50.8	51.3	82.3	62.5	32.5	7.32	50.0	90.3							
115	96.9	71.2	48.6	42.6	37.7	40.0	72.7	49.8	21.2	8.45	30.1	71.0							
120	83.1	58.3	36.4	31.6	27.7	31.0	58.1	38.4	14.9	9.73	19.5	54.4							
125	68.1	46.6	27.9	24.1	21.5	24.4	42.5	27.9	12.9	11.1	14.7	42.0							
130	50.1	37.4	21.9	19.9	19.0	21.1	31.2	21.4	13.9	12.6	14.2	32.5							
135	34.8	29.6	19.8	19.7	20.3	21.9	25.5	19.2	15.0	14.1	15.7	25.5							
140	25.7	24.9	21.6	21.3	21.8	23.1	25.0	19.5	16.3	15.7	17.2	22.0							
145	22.3	23.8	23.4	23.0	23.3	24.4	25.2	20.4	17.8	17.4	18.6	21.9							
150	22.8	24.9	24.8	24.4	24.7	25.5	25.4	21.4	19.2	19.1	19.9	22.7							
155	23.7	25.8	25.9	25.6	25.8	26.0	25.8	22.2	20.7	20.7	21.1	23.5							
160	24.5	26.6	26.5	26.5	26.6	26.8	26.4	23.5	22.4	22.3	22.4	24.3							
165	25.3	26.9	26.9	27.1	27.4	27.5	27.3	25.0	24.1	23.9	23.9	25.0							
170	26.2	26.9	27.0	27.6	28.1	28.2	28.6	26.2	25.6	25.6	25.5	26.0							
175	27.3	27.0	27.2	27.8	28.3	28.7	29.3	27.2	26.7	26.8	27.0	27.3							
180	28.7	27.4	27.3	27.7	28.1	28.5	28.7	27.4	27.3	27.7	28.0	28.5							

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-09-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
 Humidity:65.0%
 Test Distance:9.345m [K=1.0000]
 Remarks: