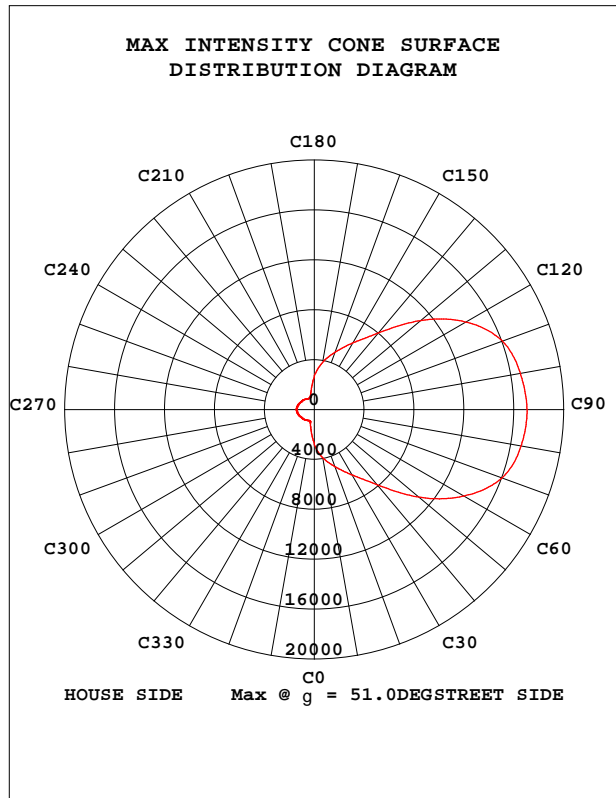
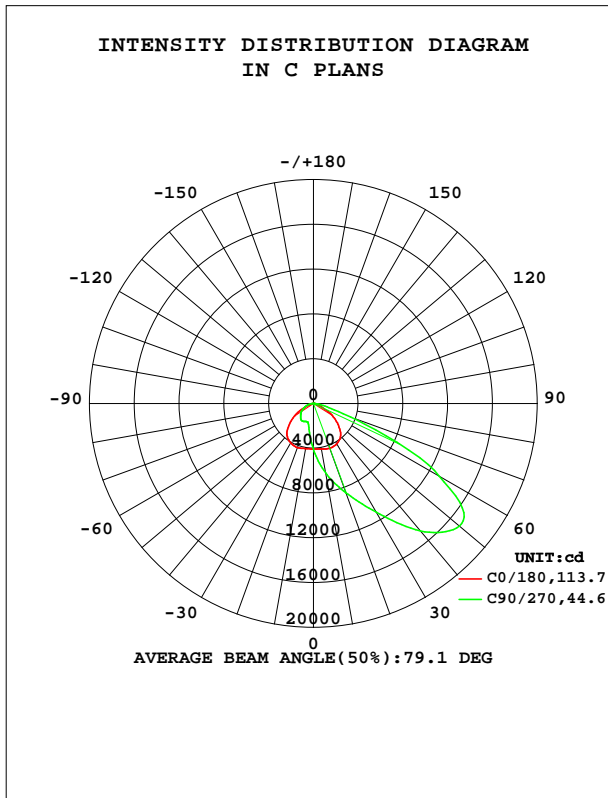


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.04V I:0.6219A P:134.45W PF:0.9825 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:21058.5x1 lm		
NAME: LD5050-0812-T3VS	TYPE: LED	WEIGHT: N/A
SPEC.: N/A	DIM.:	SERIAL No.: N/A
MFR.:	SUR.:	Shielding Angle: N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.62 lm/W			
MODEL	LD5050-0812-T3VS	I _{max} (cd)	17057	h street_up(%)	0.0
NOMINAL POWER(W)	135	LOR(%)	100.0	h street_down(%)	84.1
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	21058	h house_up(%)	0.0
NOMINAL FLUX(lm)	21058.5	MAXIMUM @(C,g)	90,51.0	h house_down(%)	15.9
LAMPS INSIDE	1	h up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220	h down(%)	100.0	SLI	20.142

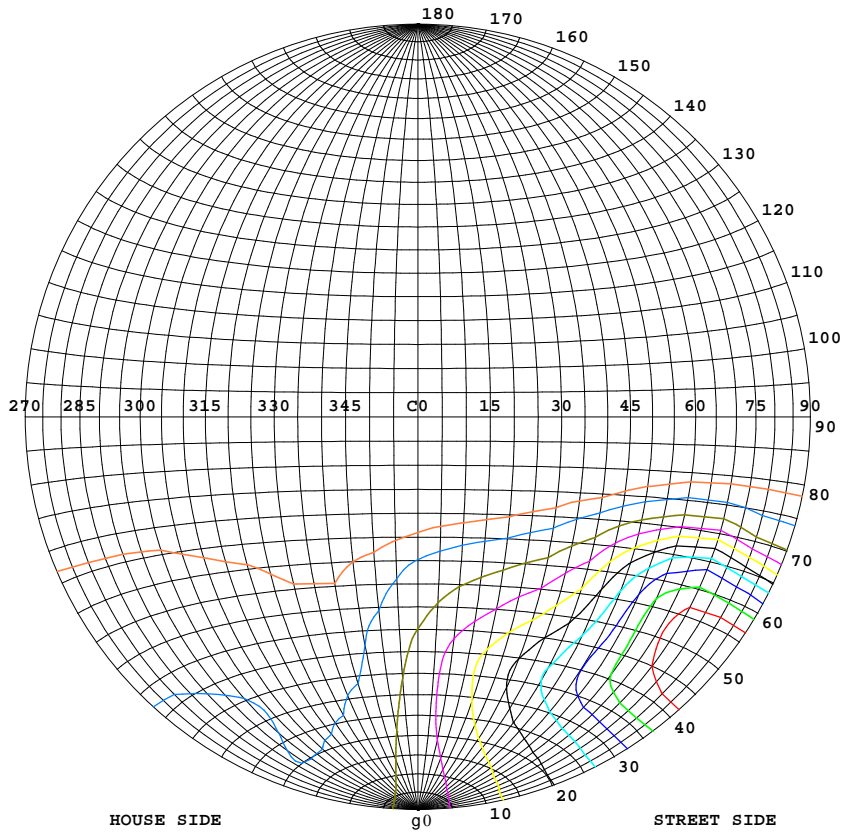


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Summer
 Test Date:2024-10-10

g Range: 0 - 90DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.445
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks: L207-0812

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.04V I:0.6219A P:134.45W PF:0.9825 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:21058.5x1 lm		
NAME: LD5050-0812-T3VS	TYPE: LED	WEIGHT: N/A
SPEC.: N/A	DIM.:	SERIAL No.: N/A
MFR.:	SUR.:	Shielding Angle: N/A



Classification:

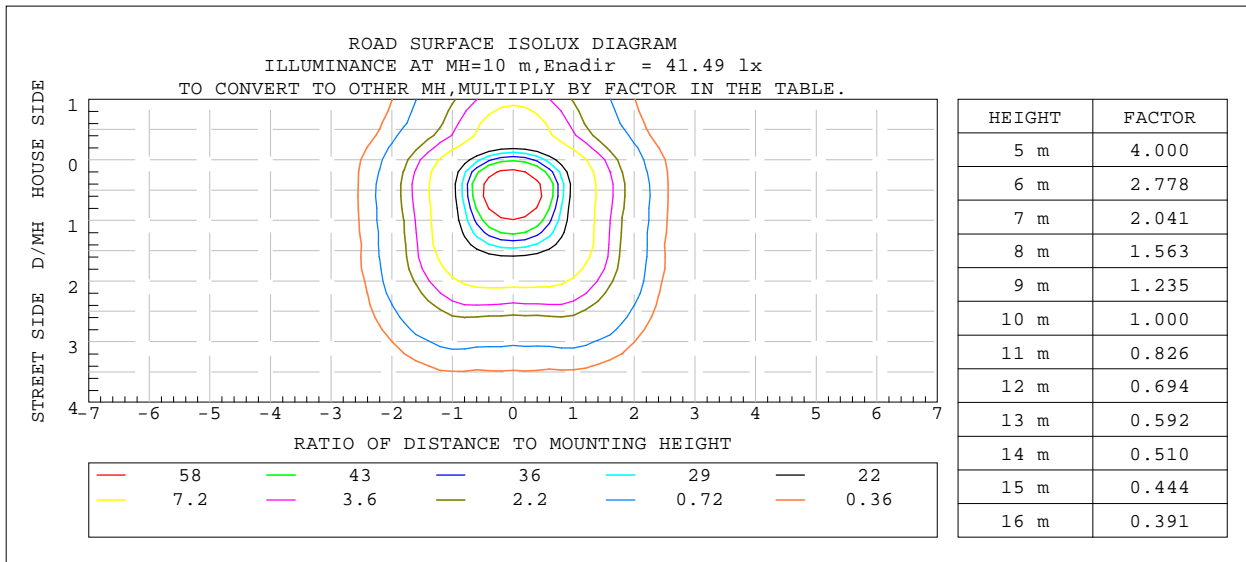
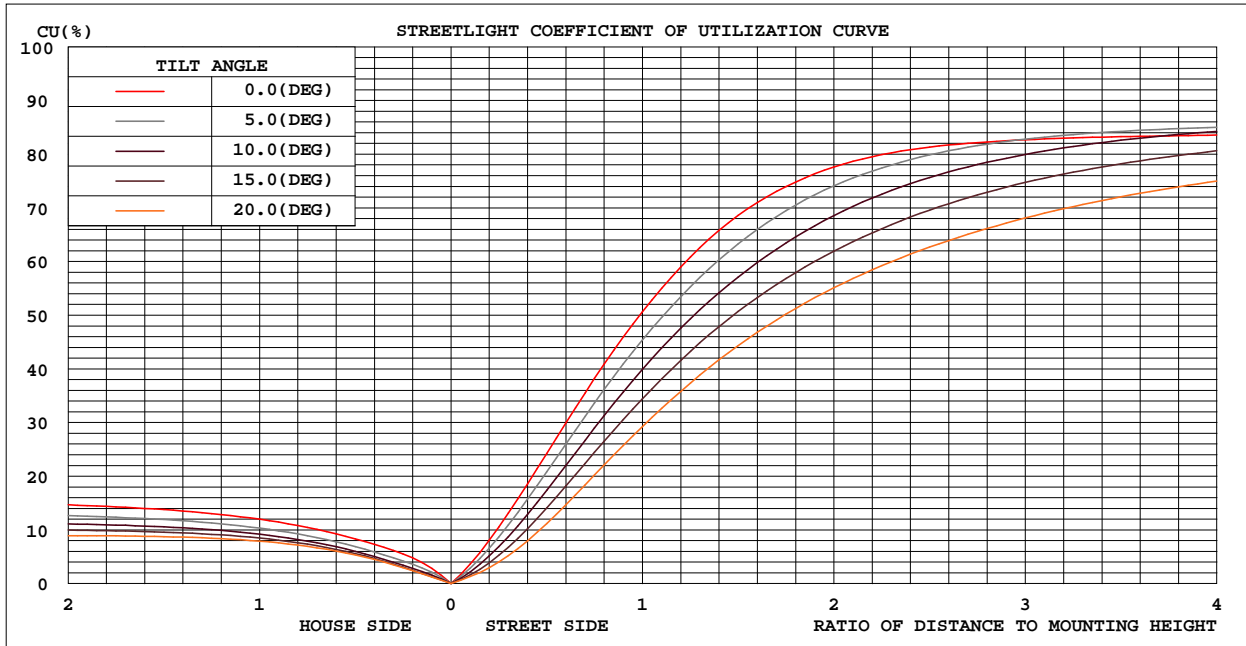
IES:Type III - Very Short
 CIE:Broad - Short
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:30.96cd/klm
 Max.At90:0cd/klm
 Max.80-90:30.96cd/klm
 NRB 5101:Limited[1.6%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	17057
90%	15351
80%	13645
70%	11940
60%	10234
50%	8528
40%	6823
30%	5117
20%	3411
10%	1706
5%	853

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Summer
 Test Date:2024-10-10

g Range: 0 - 90DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.445
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks: L207-0812

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Summer
Test Date: 2024-10-10

g Range: 0 - 90DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.445
Humidity: 65.0%
Test Distance: 8.700m [K=1.0000]
Remarks: L207-0812

ZONAL FLUX DIAGRAM

Test:U:220.04V I:0.6219A P:134.45W PF:0.9825 Freq:49.99Hz UTHdi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:21058.5x1 lm		
NAME: LD5050-0812-T3VS	TYPE: LED	WEIGHT: N/A
SPEC.: N/A	DIM.:	SERIAL No.: N/A
MFR.:	SUR.:	Shielding Angle: N/A

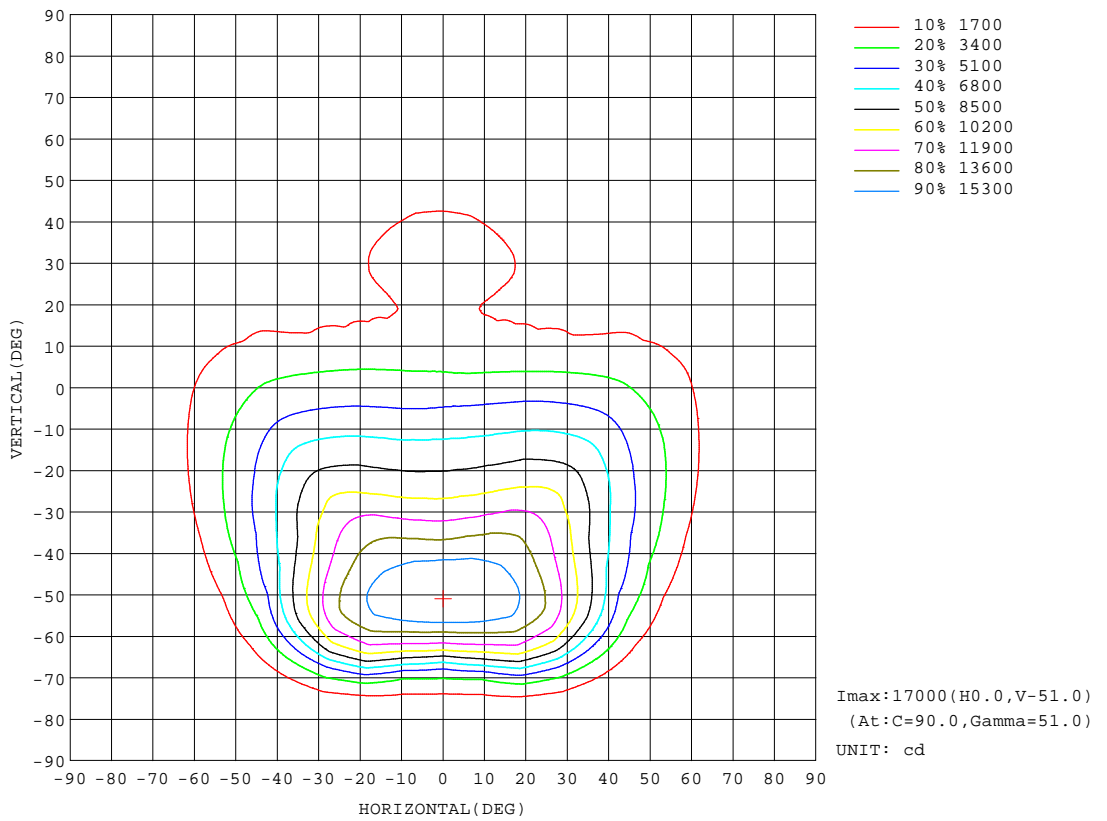
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	414.1	565.5	627.8	561.4	409.5	282.5	234.8	282.2	0- 10	397.1	397.1	1.89,1.89
20	426.6	749.0	848.4	738.0	419.6	183.6	174.4	183.9	10- 20	1256	1653	7.85,7.85
30	416.8	963.1	1121	946.3	407.3	161.3	184.9	163.9	20- 30	2336	3989	18.9,18.9
40	379.2	1089	1486	1091	370.4	145.6	177.9	146.4	30- 40	3678	7667	36.4,36.4
50	286.0	955.6	1703	973.2	277.4	117.9	148.6	117.3	40- 50	4632	12300	58.4,58.4
60	171.2	745.6	1295	772.8	167.7	92.18	115.1	93.35	50- 60	4696	16996	80.7,80.7
70	53.86	290.6	354.7	302.8	55.78	53.13	71.38	53.26	60- 70	3122	20118	95.5,95.5
80	10.59	30.79	62.36	31.72	11.04	15.91	26.77	15.79	70- 80	839.4	20957	99.5,99.5
90	0	0	0	0	0	0	0	0	80- 90	101.0	21058	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:×10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Summer
 Test Date:2024-10-10

g Range: 0 - 90DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.445
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks: L207-0812

ISOCANDELA DIAGRAM

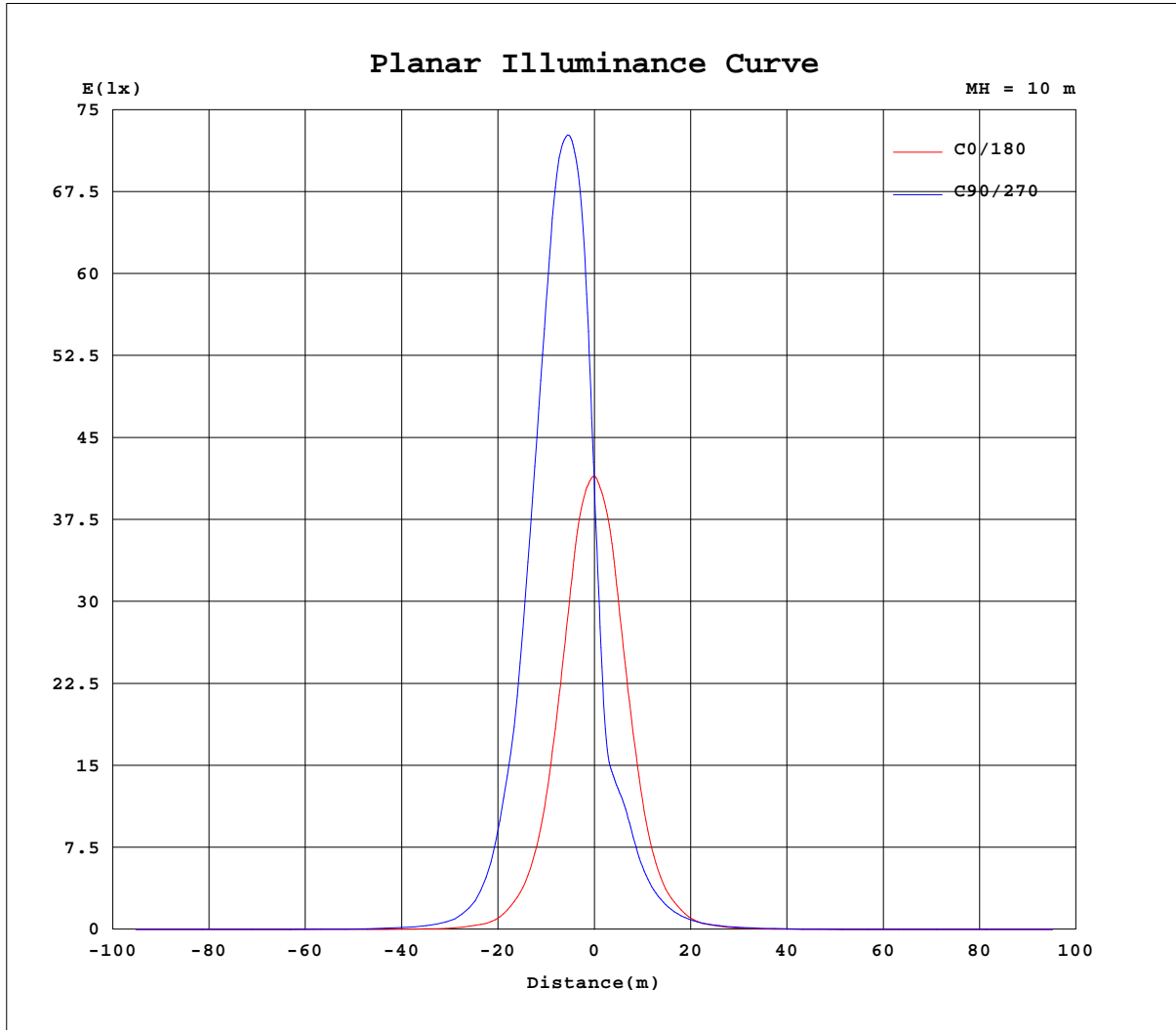
Test:U:220.04V I:0.6219A P:134.45W PF:0.9825 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:21058.5x1 lm		
NAME: LD5050-0812-T3VS	TYPE: LED	WEIGHT: N/A
SPEC.: N/A	DIM.:	SERIAL No.: N/A
MFR.:	SUR.:	Shielding Angle: N/A



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Summer
 Test Date:2024-10-10

g Range: 0 - 90DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.445
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks: L207-0812

Planar Illuminance Curve



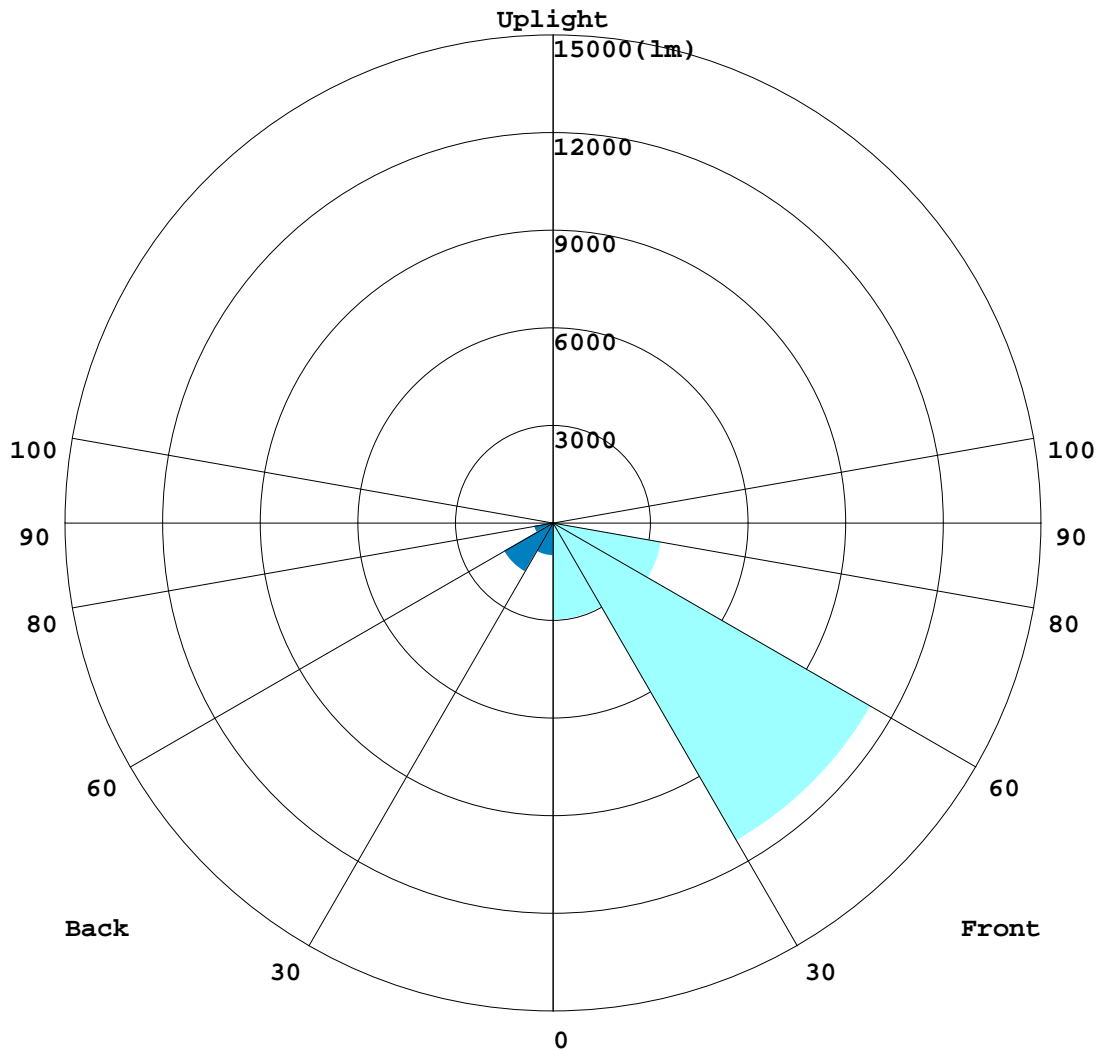
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Summer
 Test Date: 2024-10-10

g Range: 0 - 90DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.445
 Humidity: 65.0%
 Test Distance: 8.700m [K=1.0000]
 Remarks: L207-0812

LCS REPORT

Test:U:220.04V I:0.6219A P:134.45W PF:0.9825 Freq:49.99Hz UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:21058.5x1 lm		
NAME: LD5050-0812-T3VS	TYPE: LED	WEIGHT: N/A
SPEC.: N/A	DIM.:	SERIAL No.: N/A
MFR.:	SUR.:	Shielding Angle: N/A

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Summer
 Test Date:2024-10-10

g Range: 0 - 90DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.445
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks: L207-0812

BUG REPORT

Test:U:220.04V I:0.6219A P:134.45W PF:0.9825 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:21058.5x1 lm		
NAME: LD5050-0812-T3VS	TYPE: LED	WEIGHT: N/A
SPEC.: N/A	DIM.:	SERIAL No.: N/A
MFR.:	SUR.:	Shielding Angle: N/A

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2983.1	14.2
FM - Front-Medium(30-60)	11279	53.6
FH - Front-High(60-80)	3385.4	16.1
FVH - Front-Very High(80-90)	66.442	0.3
Total Forward Light	17714	84.1

BL - Back-Low(0-30)	1006	4.8
BM - Back-Medium(30-60)	1727.8	8.2
BH - Back-High(60-80)	575.97	2.7
BVH - Back-Very High(80-90)	34.57	0.2
Total Back Light	3344.4	15.9

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-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3344.4	0	3344.4
Street Side	17714	0	17714

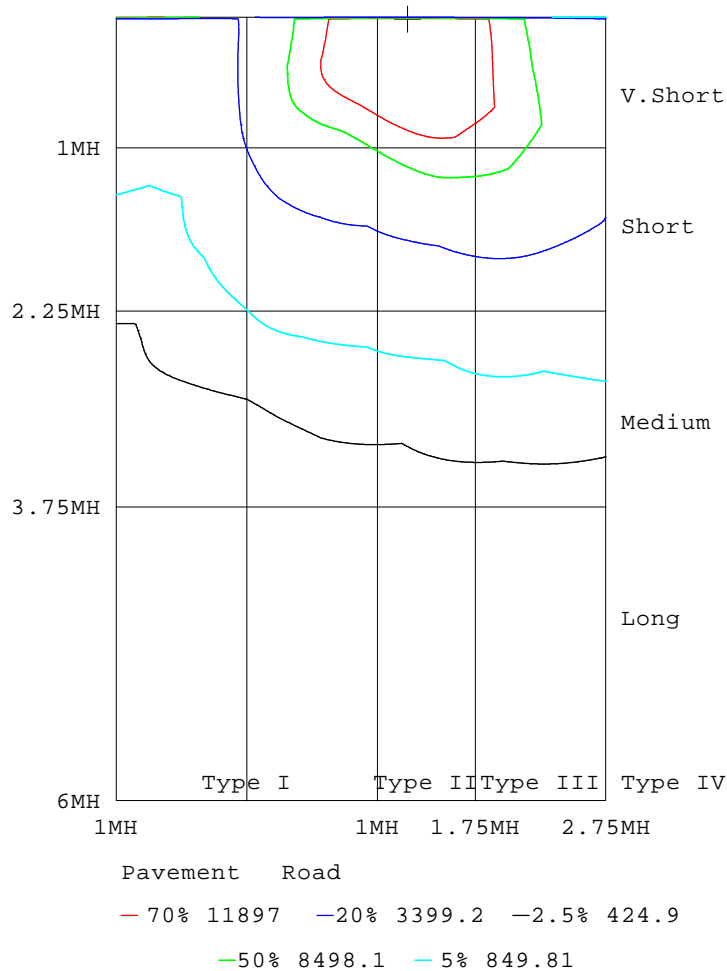
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Summer
 Test Date:2024-10-10

g Range: 0 - 90DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.445
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks: L207-0812

ROAD ISOCANDELA REPORT

Test:U:220.04V I:0.6219A P:134.45W PF:0.9825 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:21058.5x1 lm		
NAME: LD5050-0812-T3VS	TYPE: LED	WEIGHT: N/A
SPEC.: N/A	DIM.:	SERIAL No.: N/A
MFR.:	SUR.:	Shielding Angle: N/A

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Summer
Test Date:2024-10-10

g Range: 0 - 90DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.445
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks: L207-0812

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.04V I:0.6219A P:134.45W PF:0.9825 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:21058.5x1 lm		
NAME: LD5050-0812-T3VS	TYPE: LED	WEIGHT: N/A
SPEC.: N/A	DIM.:	SERIAL No.: N/A
MFR.:	SUR.:	Shielding Angle: N/A

Table--1

UNIT: x10cd

C(DEG) g (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	409	409	409	409	409	409	409	409	409	409	409	409	409	409	409	409	409	409	409
5	409	427	445	462	477	491	501	510	515	517	514	509	501	489	475	459	442	424	407
10	414	451	488	522	552	579	598	615	624	628	623	613	596	575	548	517	483	446	409
15	421	479	537	589	634	673	701	723	733	738	730	718	695	665	627	582	530	472	415
20	427	509	591	664	725	774	808	834	843	848	838	825	798	762	714	653	581	499	420
25	425	532	640	739	822	885	926	958	969	973	961	945	911	869	807	726	629	520	417
30	417	545	678	805	917	1010	1066	1108	1119	1121	1110	1092	1048	989	904	795	667	533	407
35	403	549	705	857	998	1135	1234	1293	1300	1300	1285	1271	1215	1122	994	854	698	538	393
40	379	535	687	840	996	1182	1342	1448	1475	1486	1463	1431	1331	1181	1002	848	690	529	370
45	337	477	605	756	925	1156	1371	1532	1602	1624	1595	1523	1371	1166	941	771	612	474	330
50	286	405	505	630	810	1102	1383	1597	1682	1703	1675	1598	1399	1120	827	645	509	400	277
55	228	327	409	509	694	1044	1367	1570	1607	1625	1605	1579	1401	1076	709	515	409	322	220
60	171	246	303	377	559	934	1252	1384	1323	1295	1315	1391	1292	978	568	378	304	246	168
65	93.3	133	171	241	384	689	973	1079	922	824	903	1082	1011	722	391	244	175	136	94.7
70	53.9	63.6	79.0	113	209	373	519	570	389	355	378	560	533	389	217	115	82.0	66.6	55.8
75	26.7	33.3	36.6	48.3	67.5	135	185	188	151	144	150	179	189	140	70.6	50.1	38.0	34.8	27.6
80	10.6	12.4	15.3	17.9	23.6	38.1	53.2	63.7	64.6	62.4	65.2	64.6	55.0	39.5	24.0	18.1	15.8	12.9	11.0
85	3.00	3.57	4.17	5.29	6.80	9.26	12.0	14.9	17.4	15.2	17.3	15.3	12.2	9.46	6.91	5.40	4.34	3.77	3.15
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

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Summer
 Test Date:2024-10-10

g Range: 0 - 90DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.445
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks: L207-0812

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.04V I:0.6219A P:134.45W PF:0.9825 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:21058.5x1 lm		
NAME: LD5050-0812-T3VS	TYPE: LED	WEIGHT: N/A
SPEC.: N/A	DIM.:	SERIAL No.: N/A
MFR.:	SUR.:	Shielding Angle: N/A

Table--2

UNIT: x10cd

C(DEG) g (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	409	409	409	409	409	409	409	409	409	409	409	409	409	409	409	409	409		
5	390	374	360	349	337	330	323	320	318	320	323	330	338	349	361	376	392		
10	376	346	318	294	271	256	243	238	235	238	243	256	271	293	318	348	379		
15	364	318	274	239	213	197	188	184	184	185	189	198	213	238	273	319	367		
20	349	285	228	193	174	169	171	173	174	173	172	171	175	193	226	284	352		
25	326	244	186	163	165	169	173	175	178	176	174	171	167	164	184	242	329		
30	296	202	156	158	165	171	178	182	185	183	179	173	168	160	155	200	299		
35	262	162	142	152	161	171	179	184	187	184	179	172	164	155	144	160	265		
40	227	133	130	140	151	161	170	176	178	175	170	161	151	142	131	132	232		
45	196	125	119	125	136	145	155	161	163	160	154	145	135	125	119	124	202		
50	160	110	106	112	123	129	138	145	149	145	138	128	122	113	105	109	169		
55	126	89.8	90.3	101	111	116	124	131	134	130	124	115	110	102	90.0	88.9	133		
60	96.1	71.2	74.4	87.1	97.3	104	109	114	115	114	108	103	97.0	89.7	74.1	70.9	102		
65	60.5	53.0	57.7	68.5	79.2	89.4	91.6	91.0	93.4	90.8	90.8	88.6	79.5	68.6	57.6	53.2	62.7		
70	47.3	38.9	41.6	49.3	57.0	70.0	74.2	71.7	71.4	71.5	72.5	69.8	57.3	49.2	41.7	39.0	48.6		
75	23.2	23.4	27.1	31.5	36.5	45.5	53.1	52.4	50.0	52.6	51.8	45.6	36.4	31.4	27.0	23.5	23.1		
80	10.4	11.2	13.0	14.5	17.3	21.6	27.2	30.0	26.8	29.7	27.1	21.6	17.2	14.4	13.0	11.1	10.3		
85	2.84	2.92	3.17	3.60	4.24	5.09	6.75	8.17	7.05	8.00	6.79	5.21	4.29	3.63	3.14	2.84	2.69		
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		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Summer
 Test Date:2024-10-10

g Range: 0 - 90DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.445
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks: L207-0812