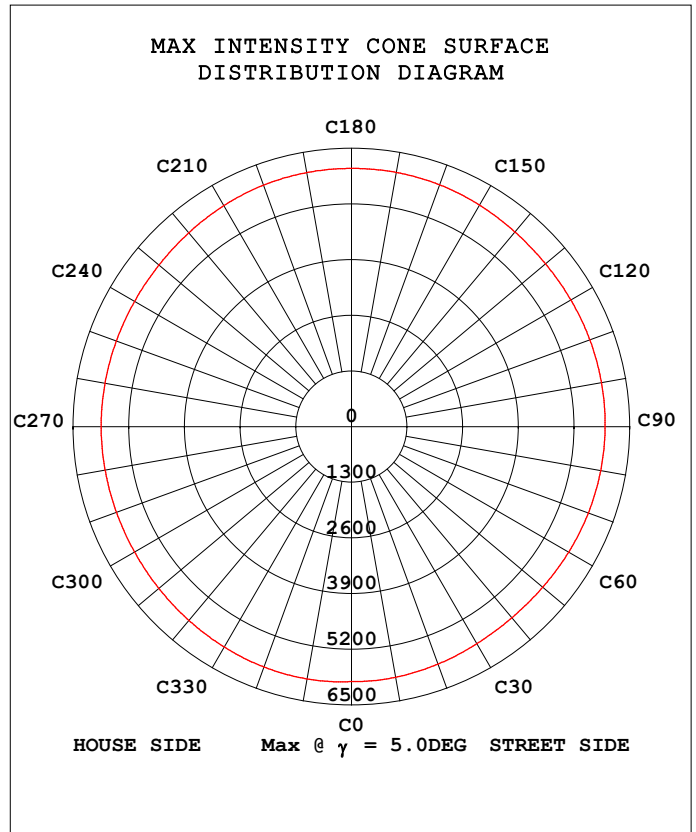
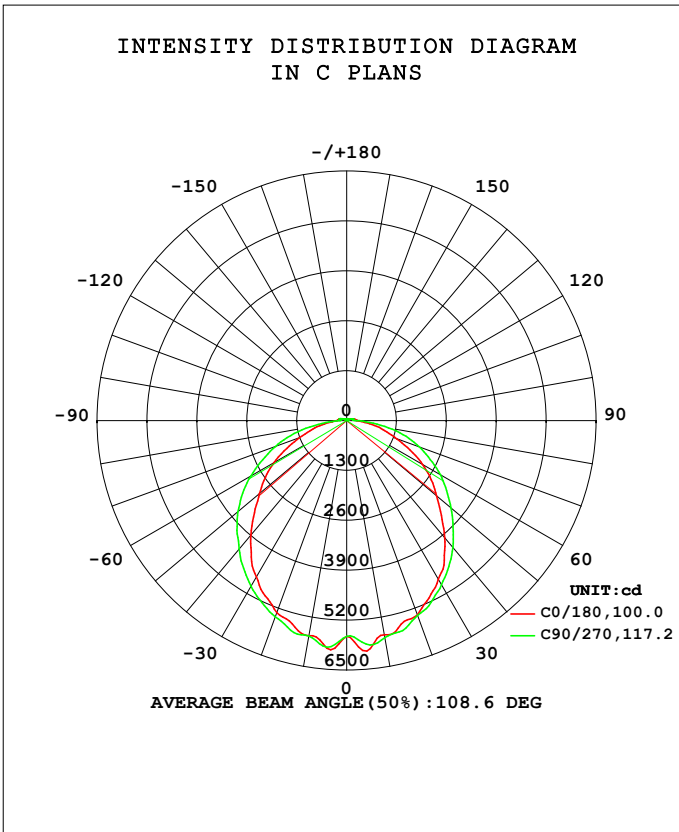


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.68V I:0.9427A P:112.38W PF:0.9960 Freq:60.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:17347.3x1 lm		
NAME: BL03-120L-CSP	TYPE: 120W	WEIGHT:
SPEC.: 4000K	DIM.: 0-10V	SERIAL No.: 1
MFR.:	SUR.: 0.13	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	BL03-120L-CSP	Imax (cd)	6031	η street_up (%)	1.9
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	48.2
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	17347	η house_up (%)	1.7
NOMINAL FLUX (lm)	17347.3	MAXIMUM @ (C, γ)	180,5.0	η house_down (%)	48.3
LAMPS INSIDE	1	η up (%)	3.5	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	η down (%)	96.5	SLI	

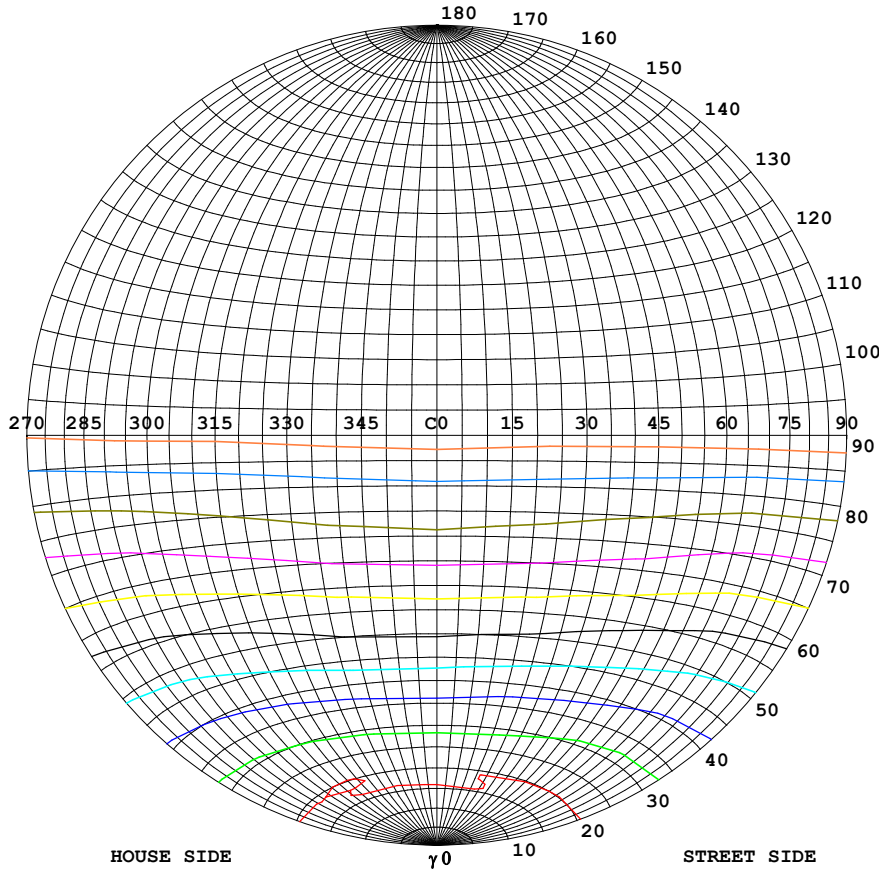


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators: DAMIN
 Test Date: 2023-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 8.570m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:119.68V I:0.9427A P:112.38W PF:0.9960 Freq:60.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:17347.3x1 lm		
NAME: BL03-120L-CSP	TYPE: 120W	WEIGHT:
SPEC.: 4000K	DIM.: 0-10V	SERIAL No.: 1
MFR.:	SUR.: 0.13	Shielding Angle:



Classification:

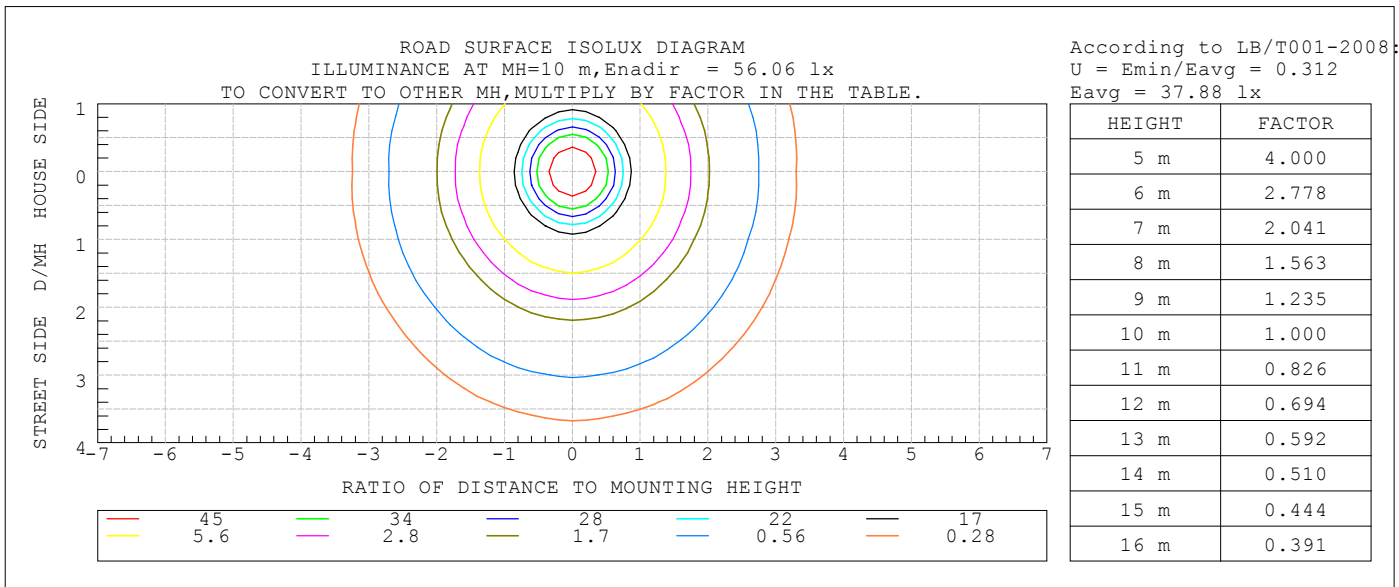
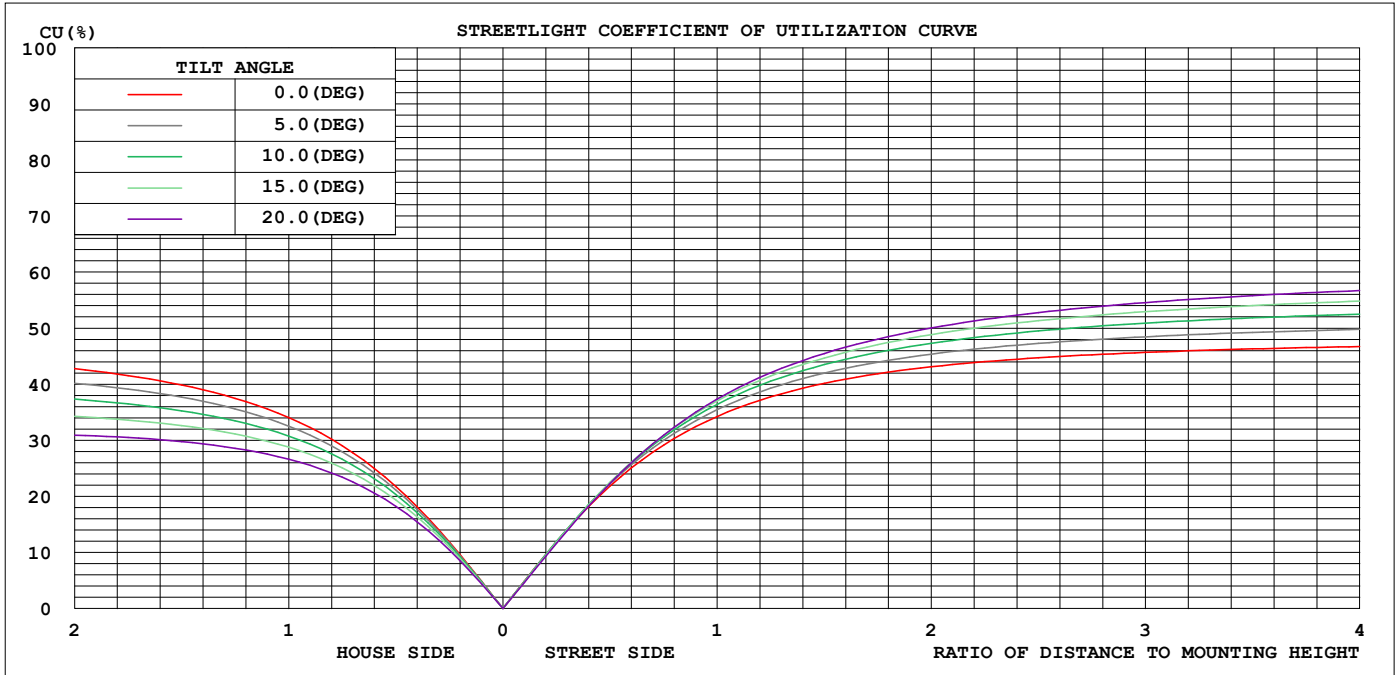
IES:Type VS - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:64.32cd/klm
 Max.At90:17.15cd/klm
 Max.80-90:64.32cd/klm
 NRB 5101:Limited[5.7%]

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	6031
90%	5428
80%	4825
70%	4222
60%	3619
50%	3016
40%	2412
30%	1809
20%	1206
10%	603
5%	302

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3 °C
 Operators:DAMIN
 Test Date:2023-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:8.570m [K=1.0000]
 Remarks:

**COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM**



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: DAMIN
Test Date: 2023-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 8.570m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:119.68V I:0.9427A P:112.38W PF:0.9960 Freq:60.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:17347.3x1 lm		
NAME: BL03-120L-CSP	TYPE: 120W	WEIGHT:
SPEC.: 4000K	DIM.: 0-10V	SERIAL No.: 1
MFR.:	SUR.: 0.13	Shielding Angle:

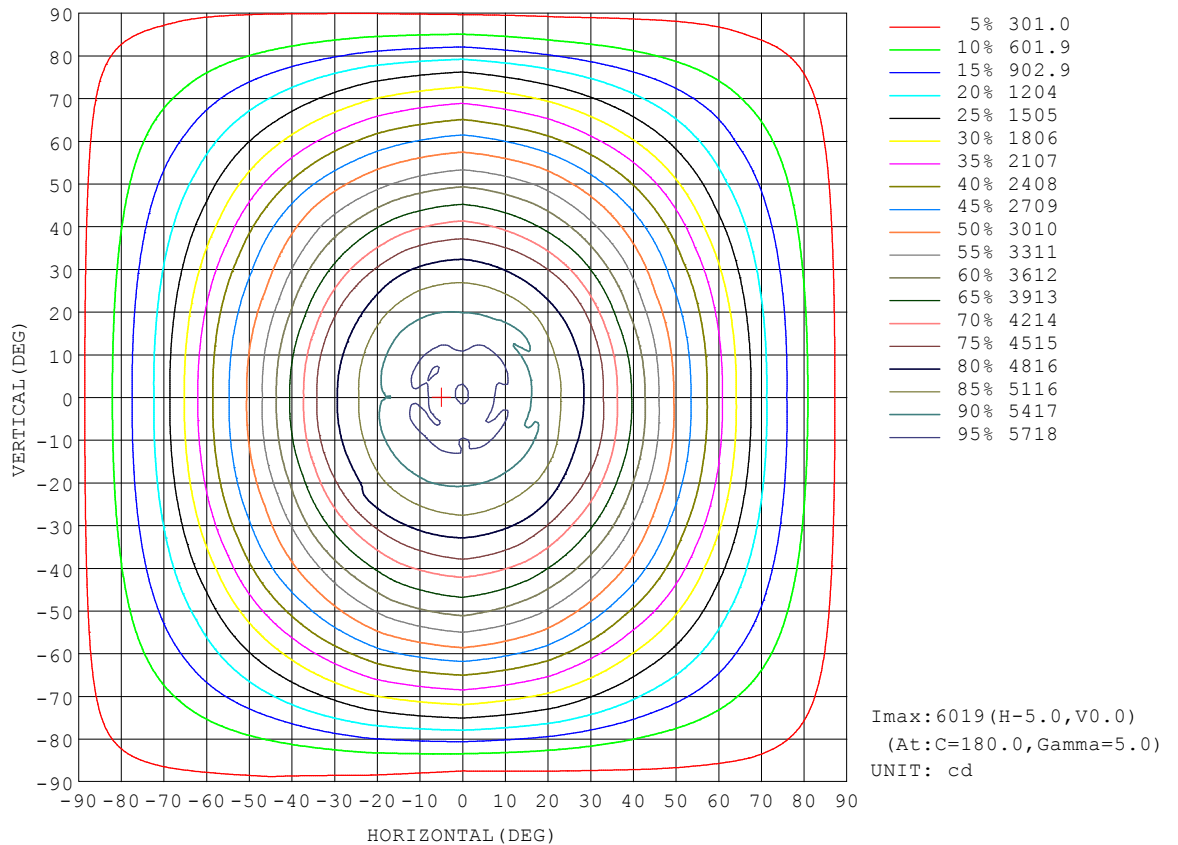
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5687	5738	5699	5755	5668	5720	5742	5751	0- 10	553.3	553.3	3.19,3.19
20	5327	5409	5441	5490	5386	5477	5405	5434	10- 20	1576	2129	12.3,12.3
30	4703	4836	4984	4849	4774	4852	4942	4799	20- 30	2373	4502	26,26
40	3882	4085	4359	4154	3975	4119	4307	4054	30- 40	2829	7331	42.3,42.3
50	2974	3288	3699	3333	3063	3325	3554	3230	40- 50	2858	10189	58.7,58.7
60	2180	2429	2886	2544	2286	2519	2821	2455	50- 60	2609	12798	73.8,73.8
70	1304	1591	1977	1676	1391	1679	2018	1609	60- 70	2054	14852	85.6,85.6
80	653.7	776.9	975.1	851.9	732.9	911.5	1116	823.9	70- 80	1332	16184	93.3,93.3
90	255.6	258.1	210.0	285.8	270.7	294.1	280.7	274.9	80- 90	549.3	16734	96.5,96.5
100	212.6	218.7	192.4	239.9	210.2	208.5	176.5	209.9	90-100	242.9	16976	97.9,97.9
110	135.9	149.0	160.7	154.8	128.4	102.4	122.9	92.61	100-110	183.9	17160	98.9,98.9
120	67.70	61.07	79.20	53.09	42.12	21.65	30.27	25.82	110-120	82.41	17243	99.4,99.4
130	31.16	23.62	40.02	30.77	22.39	44.83	37.24	23.17	120-130	33.00	17276	99.6,99.6
140	22.95	24.41	29.80	29.64	42.48	35.14	46.36	23.97	130-140	23.98	17300	99.7,99.7
150	27.76	29.62	41.86	32.90	38.93	36.15	26.64	30.71	140-150	20.16	17320	99.8,99.8
160	32.54	31.83	28.91	39.14	35.72	38.33	28.90	31.68	150-160	14.81	17335	99.9,99.9
170	30.95	39.10	30.97	31.32	31.00	30.75	31.62	31.10	160-170	9.365	17344	100,100
180	33.99	34.30	33.76	34.84	33.99	34.24	33.69	34.86	170-180	3.164	17347	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3 °C
 Operators:DAMIN
 Test Date:2023-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:8.570m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

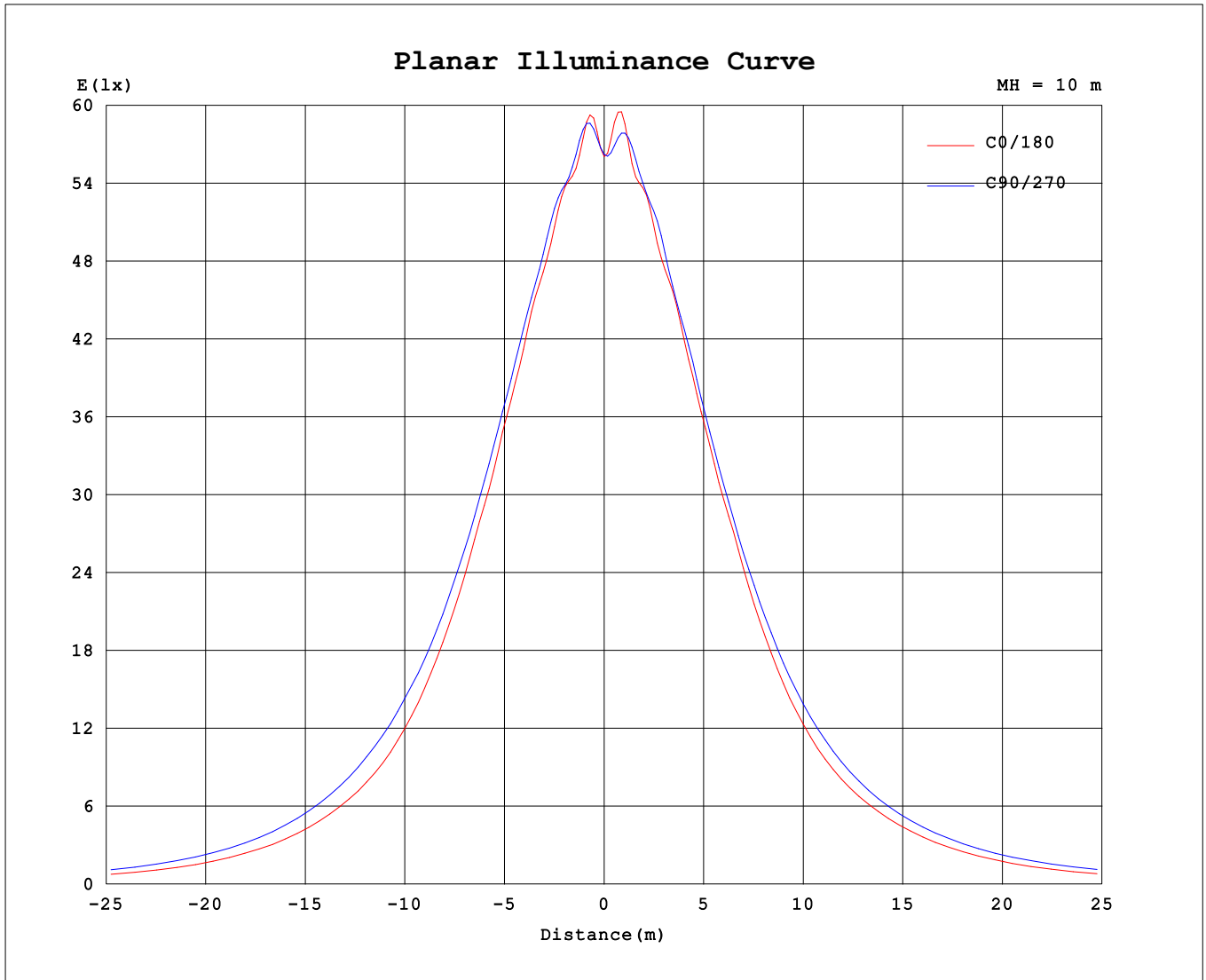
Test:U:119.68V I:0.9427A P:112.38W PF:0.9960 Freq:60.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:17347.3x1 lm		
NAME: BL03-120L-CSP	TYPE: 120W	WEIGHT:
SPEC.: 4000K	DIM.: 0-10V	SERIAL No.: 1
MFR.:	SUR.: 0.13	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators: DAMIN
 Test Date: 2023-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 8.570m [K=1.0000]
 Remarks:

Planar Illuminance Curve



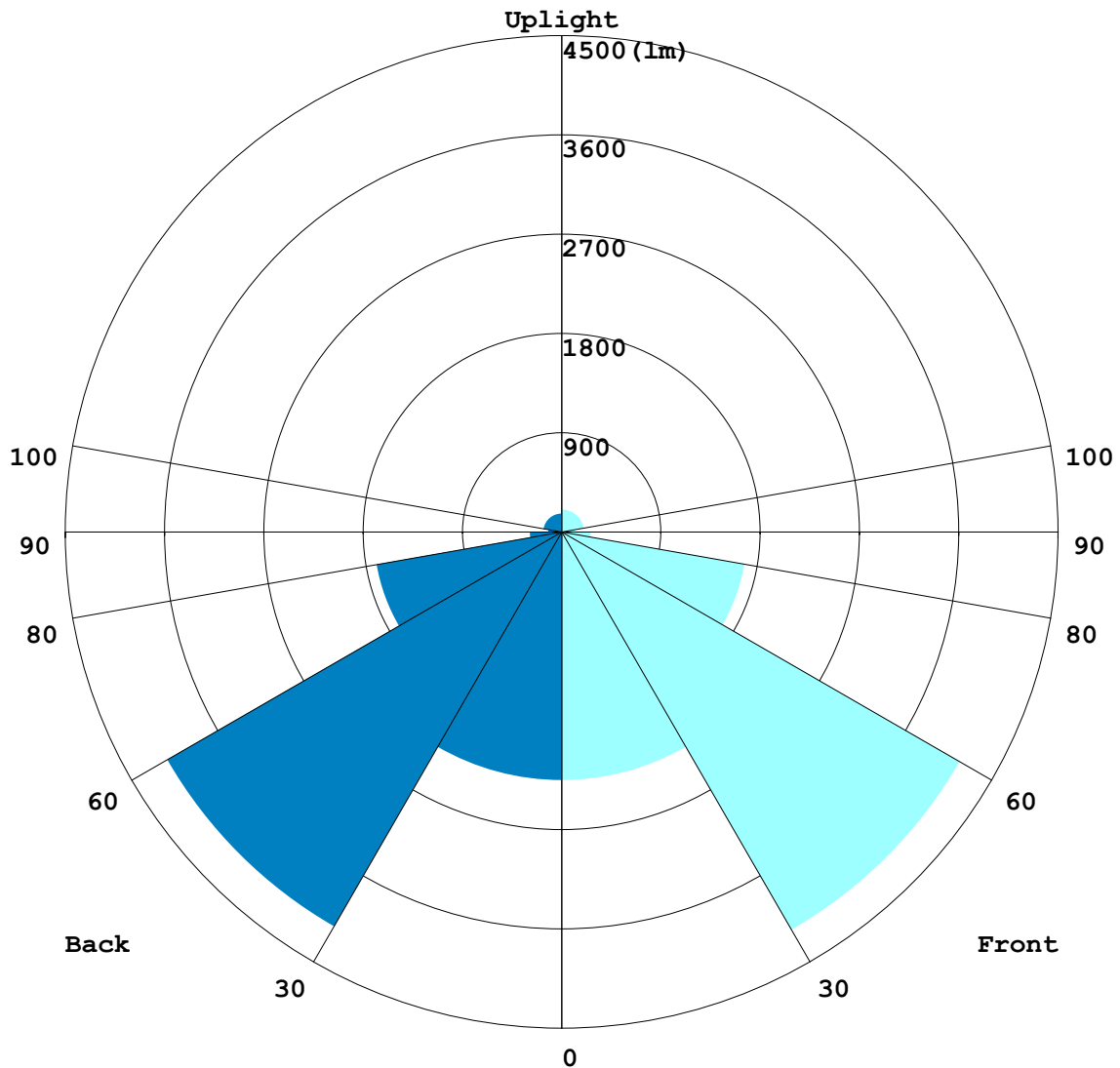
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators: DAMIN
 Test Date: 2023-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 8.570m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:119.68V I:0.9427A P:112.38W PF:0.9960 Freq:60.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:17347.3x1 lm		
NAME: BL03-120L-CSP	TYPE: 120W	WEIGHT:
SPEC.: 4000K	DIM.: 0-10V	SERIAL No.: 1
MFR.:	SUR.: 0.13	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:8.570m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:119.68V I:0.9427A P:112.38W PF:0.9960 Freq:60.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:17347.3x1 lm		
NAME: BL03-120L-CSP	TYPE: 120W	WEIGHT:
SPEC.: 4000K	DIM.: 0-10V	SERIAL No.: 1
MFR.:	SUR.: 0.13	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2251.2	13.0
FM - Front-Medium(30-60)	4167.4	24.0
FH - Front-High(60-80)	1683.3	9.7
FVH - Front-Very High(80-90)	260.45	1.5
Total Forward Light	8686.9	50.1

BL - Back-Low(0-30)	2250.6	13.0
BM - Back-Medium(30-60)	4128.7	23.8
BH - Back-High(60-80)	1703.1	9.8
BVH - Back-Very High(80-90)	288.83	1.7
Total Back Light	8660.4	49.9

UL - Uplight-Low(90-100)	242.87	1.4
UH - Uplight-High(100-180)	370.84	2.1
Total Up Light	613.71	3.5

BUG(Back,Up,Glare) Rating	B3-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	8371.3	289.13	8660.4
Street Side	8362.3	324.59	8686.9

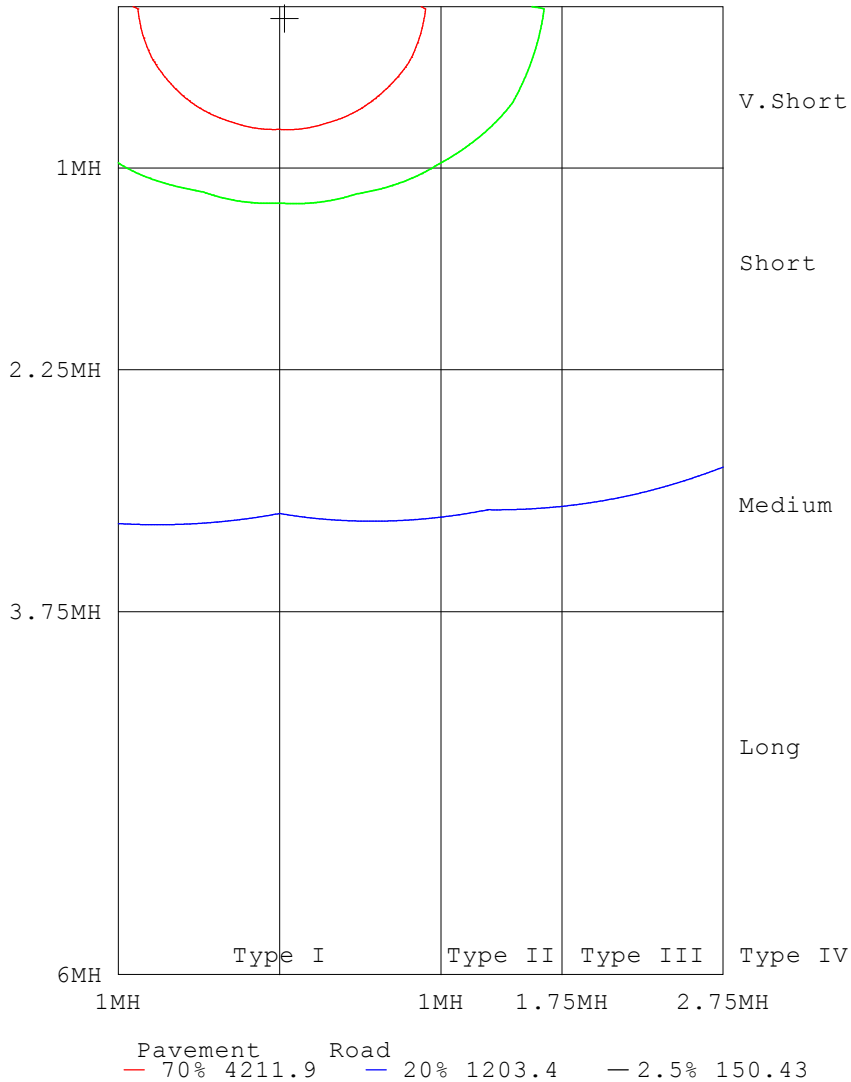
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:8.570m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:119.68V I:0.9427A P:112.38W PF:0.9960 Freq:60.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:17347.3x1 lm		
NAME: BL03-120L-CSP	TYPE: 120W	WEIGHT:
SPEC.: 4000K	DIM.: 0-10V	SERIAL No.: 1
MFR.:	SUR.: 0.13	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:8.570m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.68V I:0.9427A P:112.38W PF:0.9960 Freq:60.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:17347.3x1 lm		
NAME: BL03-120L-CSP	TYPE: 120W	WEIGHT:
SPEC.: 4000K	DIM.: 0-10V	SERIAL No.: 1
MFR.:	SUR.: 0.13	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	5617	5617	5617	5617	5617	5617	5617	5617	5617	5617	5617	5617	5617	5617	5617	5617			
5	5952	5890	5826	5881	5924	5925	5924	6007	6031	5997	5890	5846	5847	5843	5891	5967			
10	5687	5742	5738	5748	5699	5773	5755	5750	5668	5751	5720	5732	5742	5749	5751	5728			
15	5485	5458	5530	5582	5653	5584	5493	5517	5491	5532	5548	5616	5664	5584	5499	5498			
20	5327	5383	5409	5433	5441	5467	5490	5456	5386	5438	5477	5448	5405	5414	5434	5372			
25	5030	5104	5147	5183	5227	5226	5183	5119	5088	5135	5186	5202	5218	5170	5123	5051			
30	4703	4765	4836	4932	4984	4925	4849	4814	4774	4796	4852	4936	4942	4874	4799	4731			
35	4335	4415	4486	4630	4691	4656	4584	4489	4441	4489	4572	4638	4642	4597	4528	4401			
40	3882	3954	4085	4277	4359	4298	4154	4013	3975	4005	4119	4242	4307	4186	4054	3896			
45	3403	3523	3688	3903	4045	3937	3748	3568	3494	3557	3722	3852	3922	3802	3618	3441			
50	2974	3072	3288	3525	3699	3585	3333	3118	3063	3113	3325	3460	3554	3438	3230	3012			
55	2593	2674	2865	3153	3310	3206	2942	2760	2689	2746	2945	3086	3182	3072	2854	2650			
60	2180	2259	2429	2732	2886	2786	2544	2350	2286	2349	2519	2699	2821	2667	2455	2243			
65	1728	1811	1990	2272	2412	2336	2096	1891	1828	1892	2085	2291	2409	2241	2016	1799			
70	1304	1406	1591	1847	1977	1909	1676	1465	1391	1478	1679	1898	2018	1842	1609	1384			
75	953	1050	1201	1409	1515	1457	1273	1102	1025	1120	1298	1500	1609	1421	1219	1032			
80	654	701	777	907	975	963	852	772	733	779	911	1051	1116	964	824	708			
85	384	401	420	448	461	500	483	456	436	455	518	583	603	519	469	417			
90	256	269	258	225	210	256	286	282	271	288	294	298	281	274	275	266			
95	228	237	221	174	165	198	242	252	241	248	221	190	170	186	222	234			
100	213	227	219	184	192	206	240	233	210	224	208	177	177	163	210	223			
105	173	183	184	174	195	193	202	190	170	183	182	154	168	116	150	183			
110	136	144	149	143	161	159	155	140	128	131	102	93.4	123	84.1	92.6	138			
115	99.0	94.9	103	106	114	113	92.8	77.4	81.1	75.8	32.3	35.3	67.5	43.6	61.6	67.4			
120	67.7	64.2	61.1	72.2	79.2	75.6	53.1	34.5	42.1	46.1	21.7	26.6	30.3	27.7	25.8	38.5			
125	45.2	38.6	36.0	48.8	55.6	51.9	41.2	25.5	25.2	22.9	35.8	25.8	28.6	26.4	31.4	29.8			
130	31.2	25.3	23.6	34.9	40.0	37.3	30.8	23.4	22.4	29.9	44.8	25.7	37.2	27.9	23.2	24.7			
135	24.1	23.5	23.6	27.8	31.0	29.5	30.5	38.0	33.9	41.2	41.4	32.8	46.7	29.5	22.1	23.2			
140	22.9	22.9	24.4	26.2	29.8	29.2	29.6	47.9	42.5	46.2	35.1	38.5	46.4	29.5	24.0	23.2			
145	24.6	24.7	27.7	28.1	36.5	32.9	29.1	42.2	45.8	41.2	34.3	32.8	29.6	29.0	27.1	24.9			
150	27.8	29.2	29.6	28.6	41.9	29.0	32.9	35.5	38.9	35.9	36.1	31.7	26.6	26.6	30.7	28.2			
155	31.0	31.0	31.4	27.6	31.6	27.6	36.4	35.7	34.3	35.3	38.0	28.5	27.8	28.3	32.1	30.4			
160	32.5	32.4	31.8	29.2	28.9	29.1	39.1	38.6	35.7	36.8	38.3	29.2	28.9	34.3	31.7	31.5			
165	33.3	31.9	34.0	35.5	30.0	30.6	31.2	39.9	37.5	37.8	31.7	30.6	29.7	36.7	30.1	31.3			
170	30.9	32.9	39.1	41.2	31.0	31.3	31.3	31.4	31.0	30.7	30.8	30.7	31.6	35.6	31.1	30.5			
175	32.0	33.1	34.7	33.3	32.1	31.8	32.1	32.0	31.1	31.4	31.7	33.7	33.5	40.7	38.5	31.8			
180	34.0	34.0	34.3	33.7	33.8	34.0	34.8	34.7	34.0	34.1	34.2	33.7	33.7	34.0	34.9	34.7			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2023-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:8.570m [K=1.0000]
 Remarks: