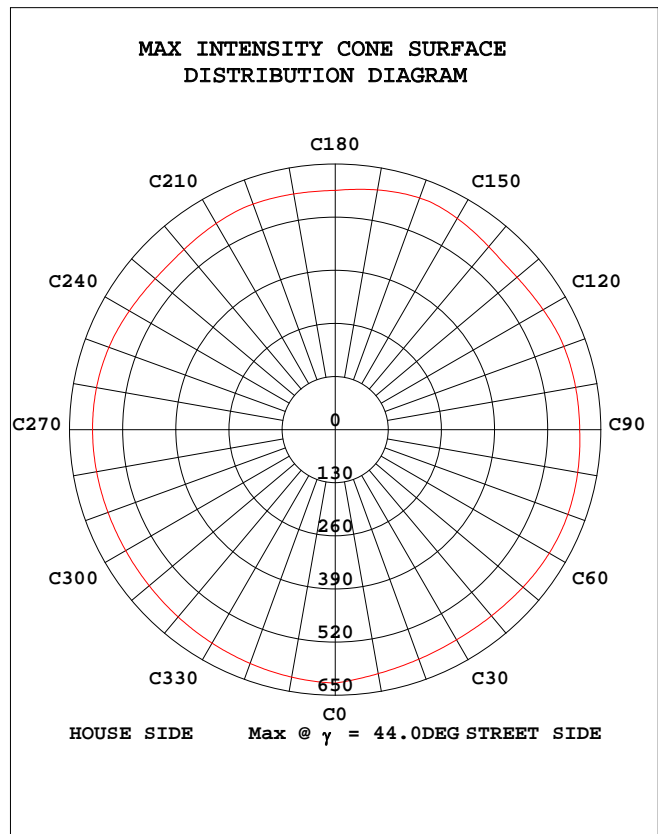
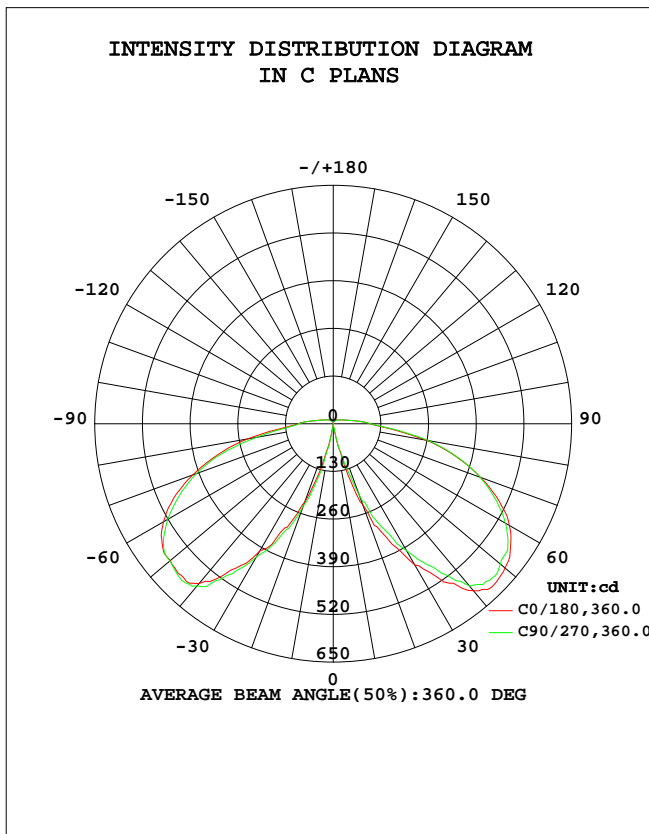


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:119.94V I:0.1783A P:21.234W PF:0.9931 Freq:49.99Hz Lamp Flux:2679.03x1 lm		
NAME: BLRB-50K22W-742	TYPE:	WEIGHT: 2.5kg
SPEC.:	DIM.:	SERIAL No.: 001
MFR.: EVERFINE	SUR.: 0.295*1.195	Shielding Angle:

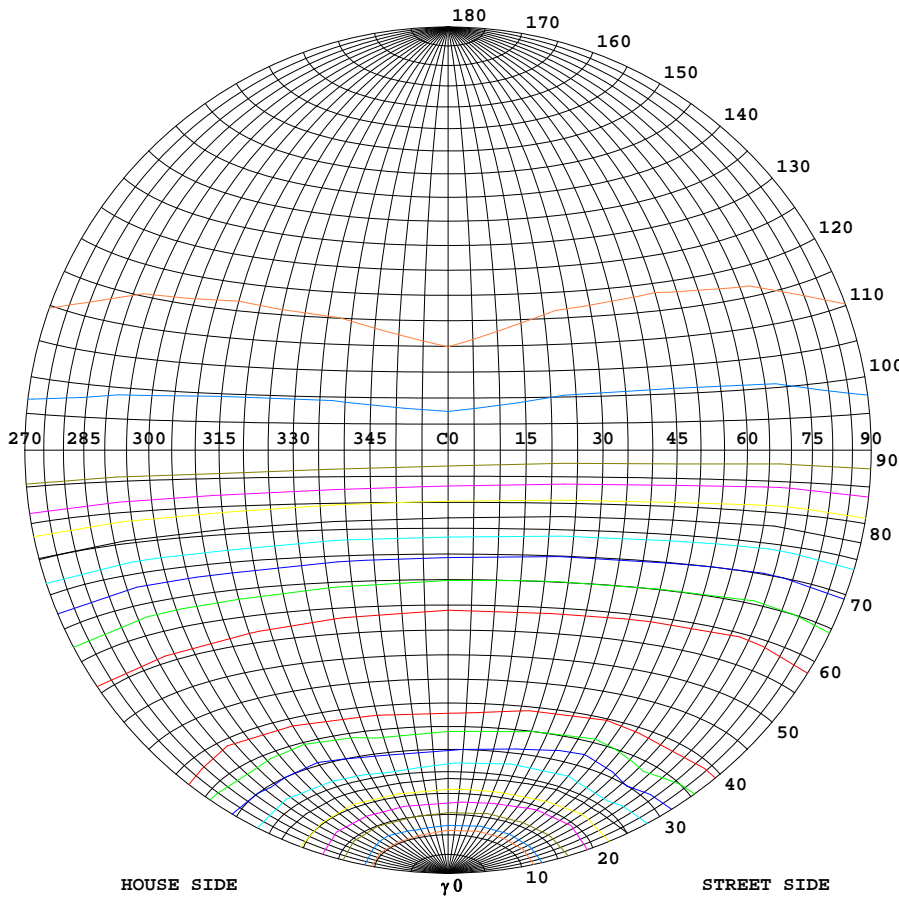
DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.17 lm/W			
MODEL		I <sub>max</sub> (cd)	620.4	η street_up(%)	4.0
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	46.7
RATED VOLTAGE(V)		TOTAL FLUX(lm)	2679	η house_up(%)	3.9
NOMINAL FLUX(lm)	2679.03	MAXIMUM @(C,γ )	0,44.0	η house_down(%)	45.4
LAMPS INSIDE	1	η up(%)	7.9	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220	η down(%)	92.1	SLI	20.857



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2020-09-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity: 65.0%  
 Test Distance: 8.270m [K=1.0000]  
 Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**



**Classification:**

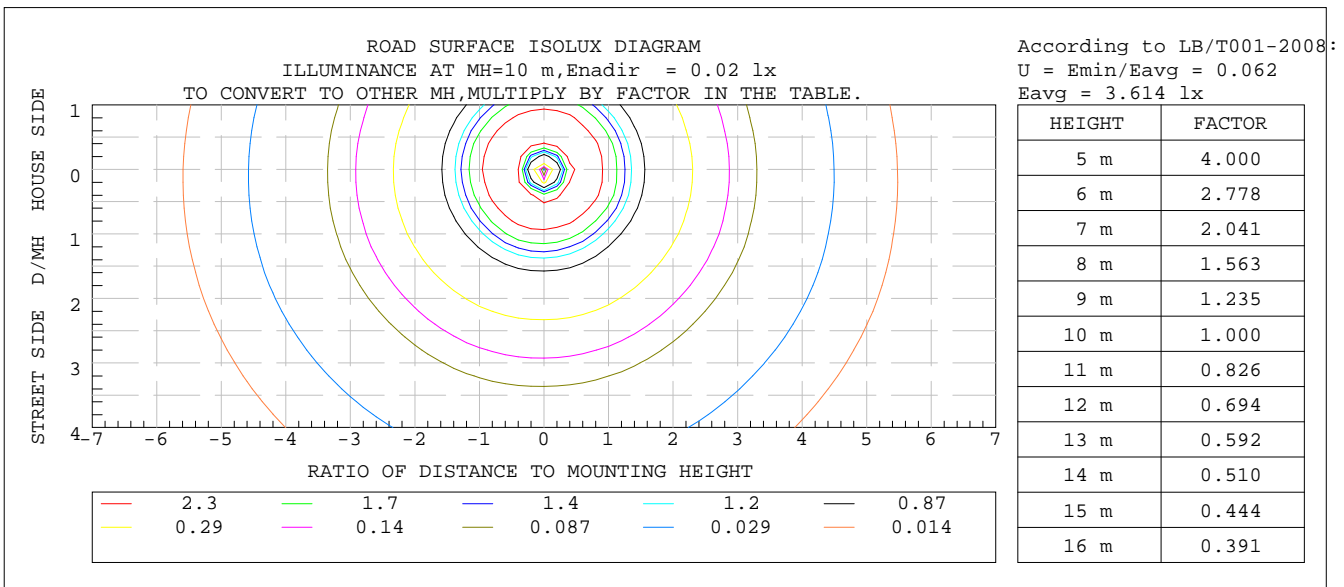
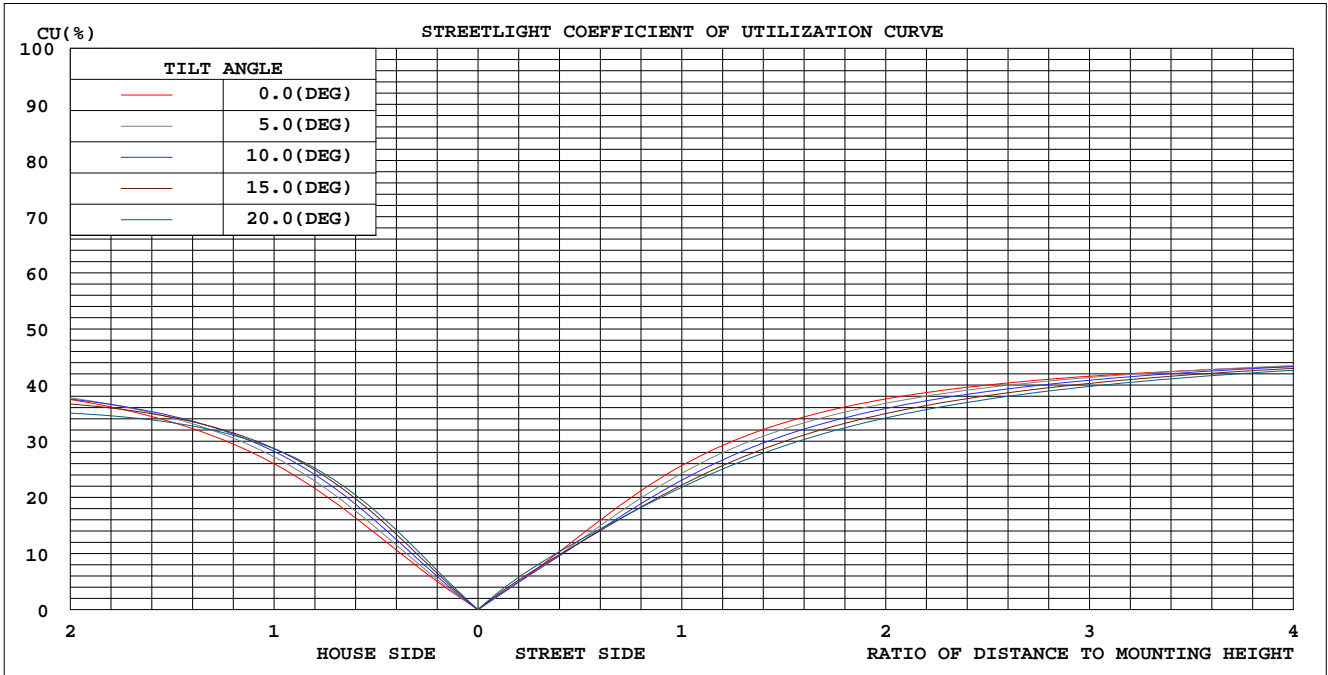
IES:Type V - Very Short  
 CIE:Broad - Short  
 IES:None cut-off  
 CIE:Non-cut-off  
 Max.At80:100.7cd/klm  
 Max.At90:38.87cd/klm  
 Max.80-90:100.7cd/klm  
 NRB 5101:Semi limited[12.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	620
90%	558
80%	496
70%	434
60%	372
50%	310
40%	248
30%	186
20%	124
10%	62
5%	31

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-09-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.270m [K=1.0000]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2020-09-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
Humidity: 65.0%  
Test Distance: 8.270m [K=1.0000]  
Remarks:

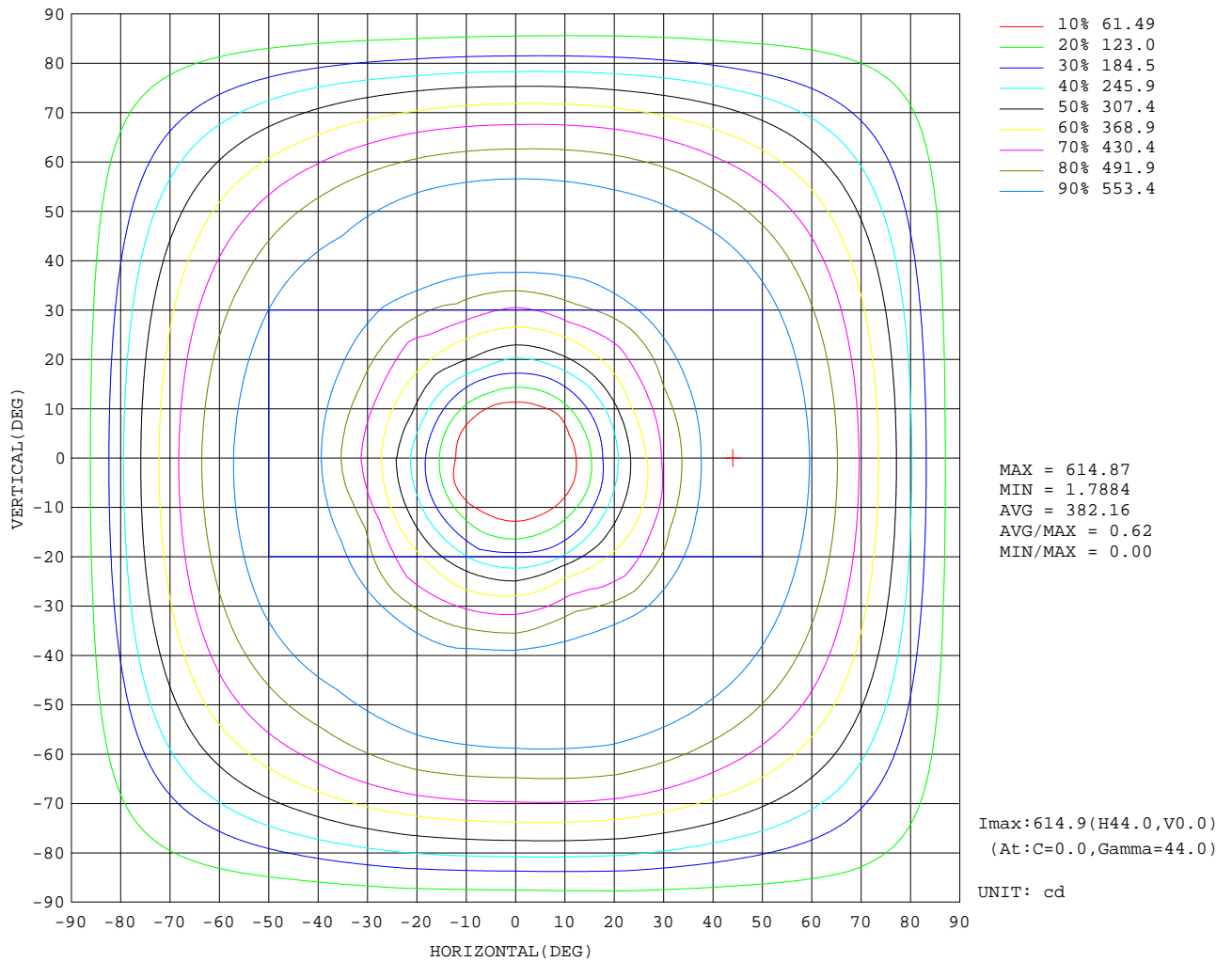
ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	6.718	6.475	6.648	7.450	7.881	18.08	16.41	22.22	0- 10	0.4850	0.4850	0.02,0.02
20	233.7	214.7	208.2	208.3	226.1	242.3	237.2	236.8	10- 20	35.88	36.36	1.36,1.36
30	445.0	414.1	399.8	408.2	400.6	415.5	418.4	423.7	20- 30	156.1	192.5	7.19,7.19
40	594.3	560.3	578.3	561.2	568.7	551.2	577.9	585.2	30- 40	315.7	508.2	19,19
50	611.6	591.8	594.6	581.6	580.2	570.6	581.7	590.7	40- 50	457.9	966.1	36.1,36.1
60	554.6	546.7	541.9	525.0	534.9	511.6	521.2	531.7	50- 60	510.0	1476	55.1,55.1
70	427.5	429.6	426.0	413.8	406.8	387.2	396.2	405.9	60- 70	473.8	1950	72.8,72.8
80	255.6	263.8	262.4	251.4	235.6	216.0	211.9	226.2	70- 80	350.3	2300	85.9,85.9
90	101.5	102.9	102.1	98.18	96.82	92.63	93.85	97.22	80- 90	167.3	2468	92.1,92.1
100	51.96	64.57	51.85	61.52	50.15	57.86	49.93	60.61	90-100	84.78	2552	95.3,95.3
110	31.12	41.00	31.29	39.54	30.83	37.74	30.46	39.16	100-110	48.42	2601	97.1,97.1
120	21.72	29.25	21.74	28.41	21.75	27.47	21.51	28.18	110-120	30.37	2631	98.2,98.2
130	16.68	22.36	16.72	21.68	16.76	21.13	16.38	21.54	120-130	20.05	2651	99,99
140	12.96	16.82	12.96	16.19	12.73	15.93	12.28	16.25	130-140	13.08	2664	99.4,99.4
150	10.56	11.82	10.05	11.68	9.676	11.36	9.638	11.41	140-150	7.913	2672	99.7,99.7
160	7.696	8.851	7.966	8.832	7.918	8.543	7.431	8.321	150-160	4.330	2676	99.9,99.9
170	6.419	6.375	6.182	5.794	5.877	5.713	5.941	6.022	160-170	2.058	2679	100,100
180	3.801	3.741	3.725	3.715	3.806	3.731	3.719	3.715	170-180	0.4881	2679	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-09-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.270m [K=1.0000]  
 Remarks:

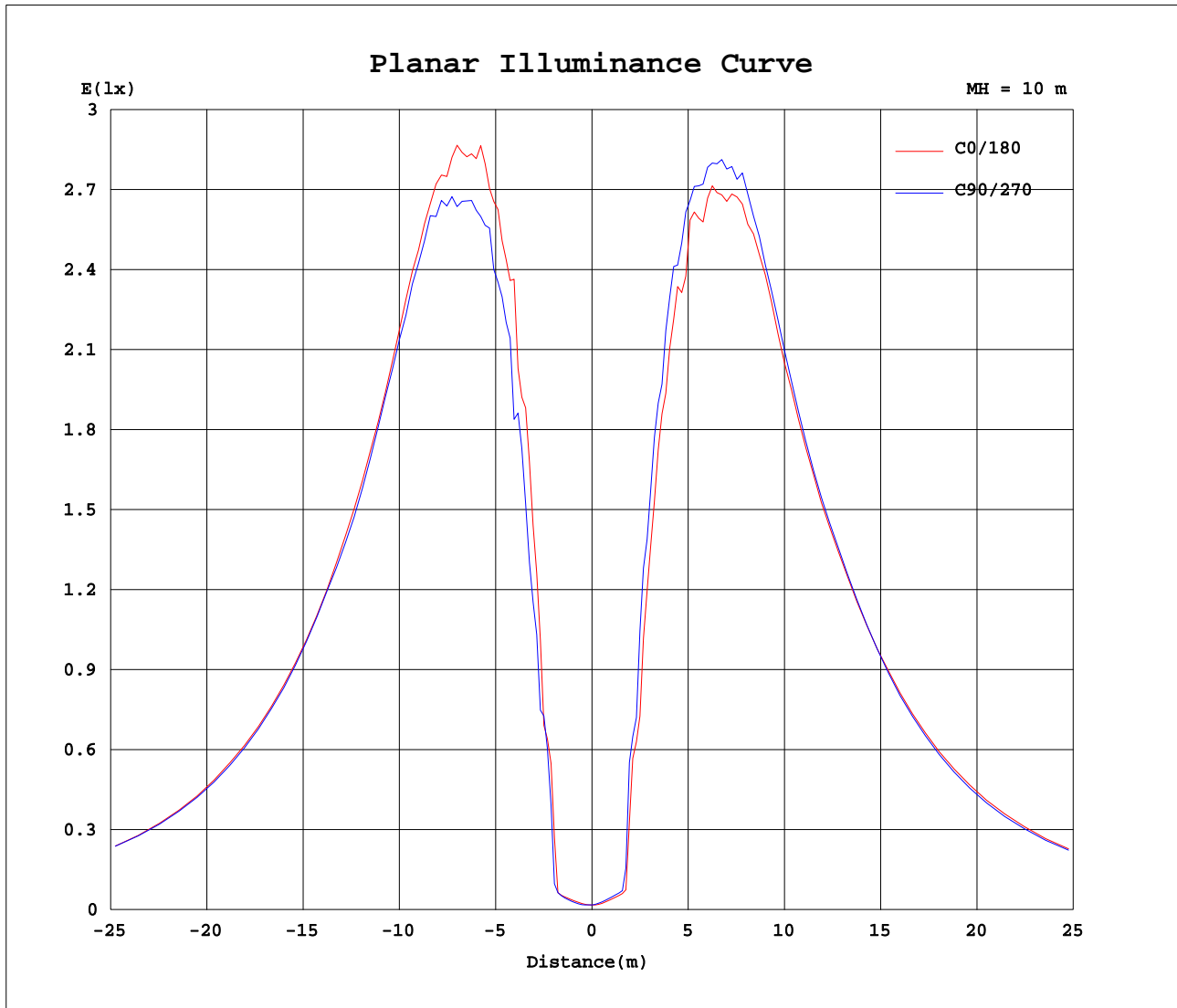
**ISOCANDELA DIAGRAM**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2020-09-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity: 65.0%  
 Test Distance: 8.270m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



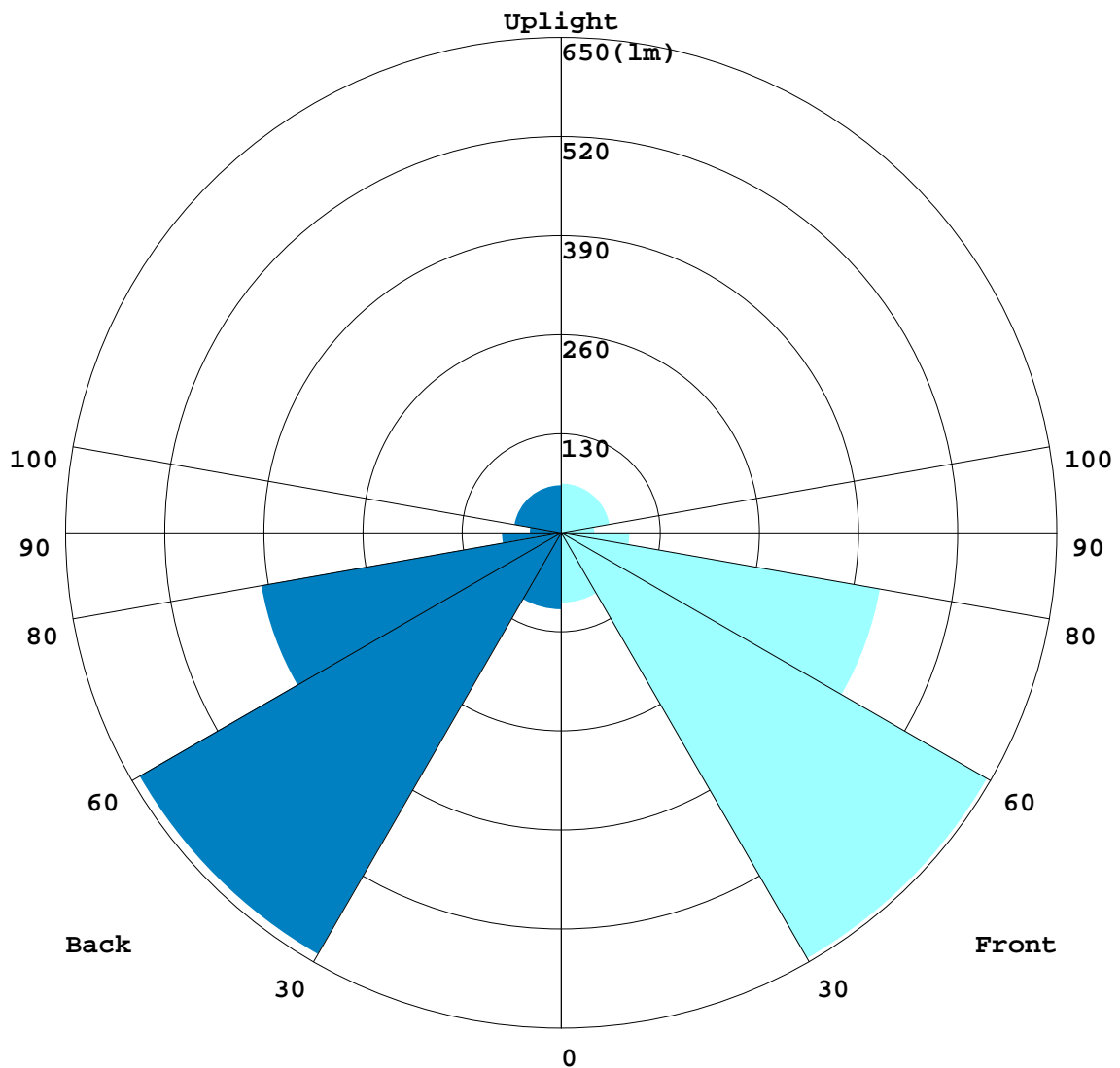
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2020-09-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity: 65.0%  
 Test Distance: 8.270m [K=1.0000]  
 Remarks:

**LCS REPORT**

Test:U:119.94V I:0.1783A P:21.234W PF:0.9931 Freq:49.99Hz Lamp Flux:2679.03x1 lm		
NAME: BLRB-50K22W-742	TYPE:	WEIGHT: 2.5kg
SPEC.:	DIM.:	SERIAL No.: 001
MFR.: EVERFINE	SUR.: 0.295*1.195	Shielding Angle:

**LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-09-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.270m [K=1.0000]  
 Remarks:

**BUG REPORT**

Test:U:119.94V I:0.1783A P:21.234W PF:0.9931 Freq:49.99Hz Lamp Flux:2679.03x1 lm		
NAME: BLRB-50K22W-742	TYPE:	WEIGHT: 2.5kg
SPEC.:	DIM.:	SERIAL No.: 001
MFR.: EVERFINE	SUR.: 0.295*1.195	Shielding Angle:

**IESNA Luminaire Flux Distribution Table:**

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	91.956	3.4
FM - Front-Medium(30-60)	645.15	24.1
FH - Front-High(60-80)	424.68	15.9
FVH - Front-Very High(80-90)	89.7	3.3
<b>Total Forward Light</b>	<b>1359.7</b>	<b>50.8</b>

BL - Back-Low(0-30)	100.54	3.8
BM - Back-Medium(30-60)	638.48	23.8
BH - Back-High(60-80)	399.41	14.9
BVH - Back-Very High(80-90)	77.635	2.9
<b>Total Back Light</b>	<b>1319.3</b>	<b>49.2</b>

UL - Uplight-Low(90-100)	84.779	3.2
UH - Uplight-High(100-180)	126.7	4.7
<b>Total Up Light</b>	<b>211.48</b>	<b>7.9</b>

<b>BUG(Back,Up,Glare) Rating</b>	<b>B1-U3-G1</b>
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1216.1	103.27	1319.3
Street Side	1251.5	108.21	1359.7

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-09-25

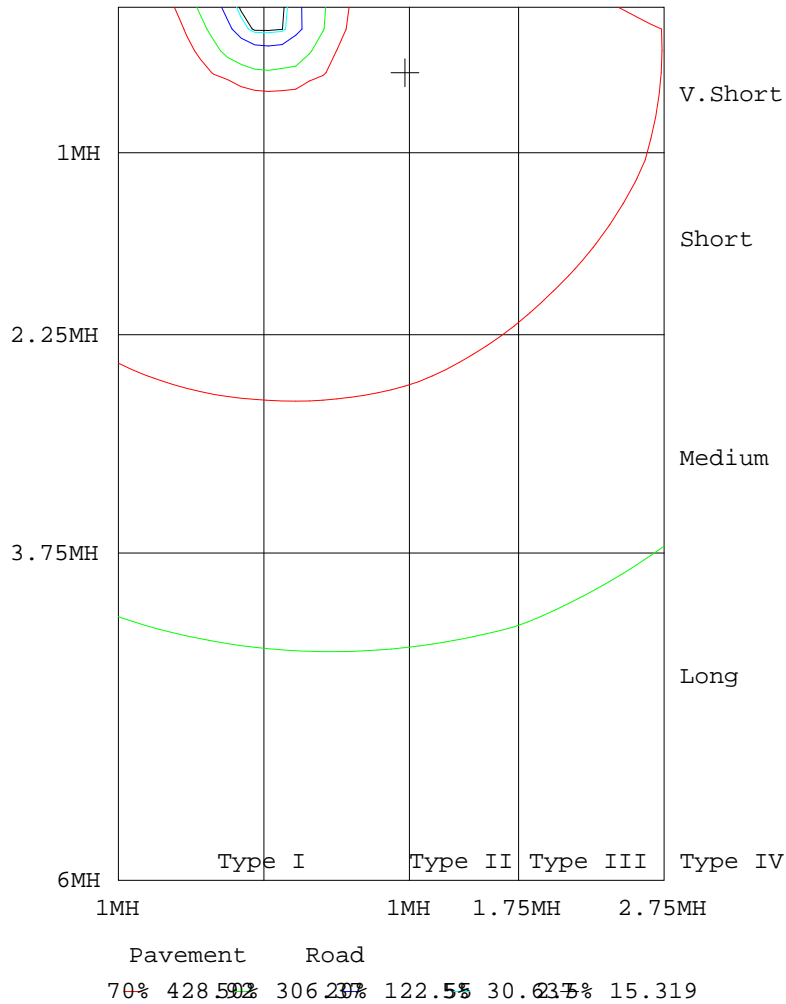
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.270m [K=1.0000]  
 Remarks:



**ROAD ISOCANDELA REPORT**

Test:U:119.94V I:0.1783A P:21.234W PF:0.9931 Freq:49.99Hz Lamp Flux:2679.03x1 lm		
NAME: BLRB-50K22W-742	TYPE:	WEIGHT: 2.5kg
SPEC.:	DIM.:	SERIAL No.: 001
MFR.: EVERFINE	SUR.: 0.295*1.195	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-09-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.270m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80			
5	3.26	2.95	2.80	2.68	2.68	2.79	3.10	3.32	3.56	3.89	4.13	4.32	4.24	4.17	3.85	3.51			
10	6.72	6.02	6.47	6.83	6.65	6.45	7.45	7.68	7.88	13.2	18.1	21.7	16.4	21.9	22.2	11.8			
15	113	93.9	86.0	84.4	82.9	82.1	87.2	103	114	120	129	141	142	133	128	128			
20	234	217	215	203	208	187	208	217	226	239	242	262	237	240	237	228			
25	340	339	323	338	308	312	313	334	314	341	345	346	335	353	351	356			
30	445	407	414	433	400	398	408	428	401	418	415	444	418	442	424	452			
35	526	497	475	526	479	486	476	514	488	502	493	510	505	513	509	514			
40	594	566	560	573	578	547	561	568	569	559	551	574	578	573	585	578			
45	620	596	599	608	604	592	586	607	585	587	574	588	592	594	597	609			
50	612	591	592	608	595	591	582	599	580	576	571	581	582	593	591	601			
55	590	582	578	585	581	577	566	574	569	560	548	559	565	568	572	583			
60	555	548	547	551	542	543	525	533	535	518	512	518	521	528	532	543			
65	499	496	494	500	489	492	476	479	480	462	457	461	462	473	477	486			
70	428	431	430	434	426	427	414	414	407	398	387	392	396	404	406	420			
75	348	352	352	356	350	348	336	336	326	319	312	311	313	322	328	338			
80	256	262	264	270	262	261	251	247	236	223	216	209	212	219	226	240			
85	153	160	162	166	160	159	151	146	139	132	127	125	128	132	135	144			
90	101	103	103	104	102	101	98.2	96.7	96.8	93.8	92.6	92.3	93.8	95.1	97.2	99.1			
95	75.2	83.1	83.8	83.6	74.8	80.8	79.7	77.6	71.5	75.3	74.3	73.8	71.9	75.8	78.2	79.2			
100	52.0	62.9	64.6	63.7	51.9	60.7	61.5	58.4	50.1	58.0	57.9	55.3	49.9	58.7	60.6	60.0			
105	39.0	48.7	50.5	49.3	39.1	47.0	48.4	45.4	38.3	45.8	46.0	42.8	37.9	46.3	48.0	46.5			
110	31.1	39.2	41.0	39.6	31.3	37.8	39.5	36.7	30.8	37.2	37.7	34.7	30.5	37.7	39.2	37.5			
115	25.6	32.6	34.2	32.8	25.7	31.4	33.1	30.5	25.5	31.1	31.8	28.9	25.3	31.5	32.8	31.2			
120	21.7	27.6	29.2	27.6	21.7	26.5	28.4	25.8	21.8	26.4	27.5	24.5	21.5	26.8	28.2	26.3			
125	18.9	23.6	25.4	23.4	18.9	22.5	24.8	22.0	19.0	22.7	24.1	20.9	18.7	23.0	24.6	22.3			
130	16.7	20.3	22.4	20.1	16.7	19.4	21.7	19.0	16.8	19.5	21.1	18.0	16.4	19.9	21.5	19.0			
135	14.9	17.7	19.5	17.3	14.9	16.7	19.0	16.3	14.9	16.9	18.5	15.4	14.4	17.2	18.9	16.4			
140	13.0	15.4	16.8	14.8	13.0	14.4	16.2	13.9	12.7	14.5	15.9	13.3	12.3	14.8	16.3	14.2			
145	11.9	13.4	14.1	12.9	11.2	12.5	13.6	12.1	10.9	12.4	13.4	11.6	10.8	12.8	13.6	12.4			
150	10.6	11.4	11.8	11.3	10.0	11.0	11.7	10.4	9.68	10.4	11.4	10.0	9.64	10.8	11.4	10.5			
155	8.64	9.71	10.2	9.46	8.72	9.43	10.1	8.68	8.68	9.00	9.81	8.62	8.13	9.06	9.81	8.86			
160	7.70	8.41	8.85	8.20	7.97	8.50	8.83	7.84	7.92	7.85	8.54	7.86	7.43	7.83	8.32	7.76			
165	7.02	7.48	7.65	7.00	7.30	7.61	7.61	7.03	7.27	7.14	7.32	7.13	6.91	6.70	7.18	7.03			
170	6.42	6.53	6.37	6.07	6.18	6.08	5.79	5.84	5.88	5.71	5.71	5.74	5.94	5.66	6.02	6.23			
175	4.92	4.84	4.86	4.94	4.88	4.74	4.67	4.68	4.78	4.64	4.46	4.41	4.42	4.44	4.63	4.70			
180	3.80	3.76	3.74	3.71	3.72	3.72	3.72	3.71	3.81	3.75	3.73	3.71	3.72	3.73	3.72	3.71			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2020-09-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity: 65.0%  
 Test Distance: 8.270m [K=1.0000]  
 Remarks: