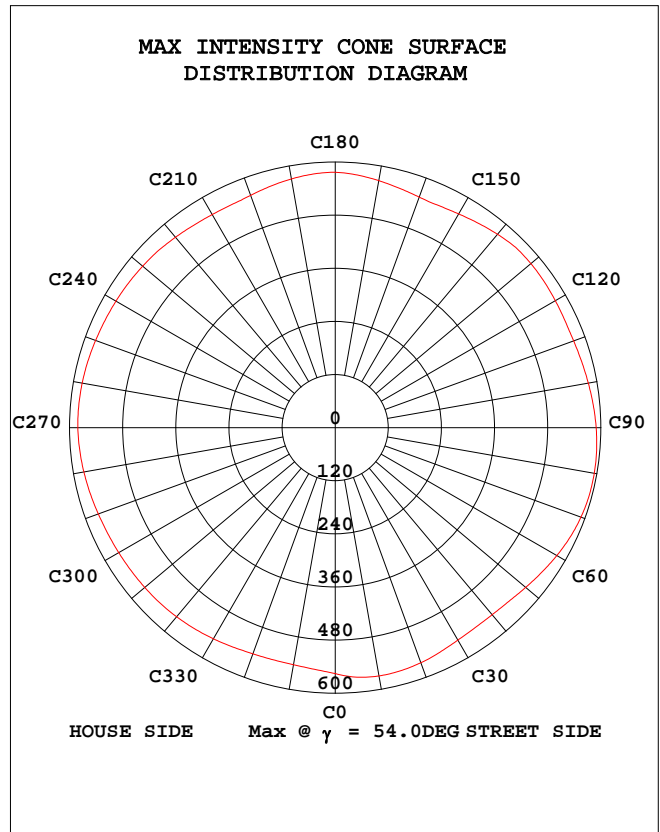
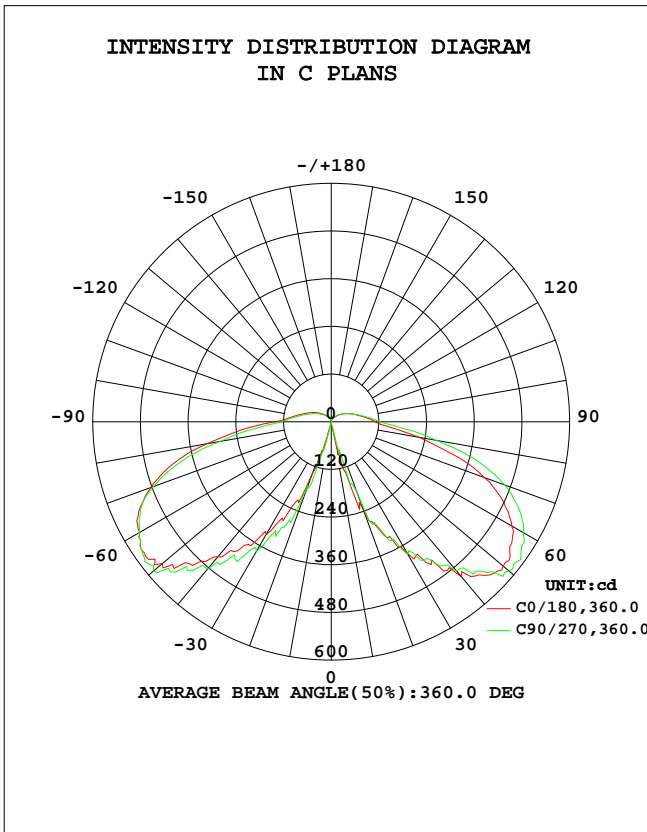


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:119.91V I:0.1784A P:21.245W PF:0.9933 Freq:49.99Hz Lamp Flux:2686.15x1 lm		
NAME: BLSB-40K22W-742	TYPE:	WEIGHT: 2.5kg
SPEC.:	DIM.:	SERIAL No.: 001
MFR.: EVERFINE	SUR.: 0.295*1.195	Shielding Angle:

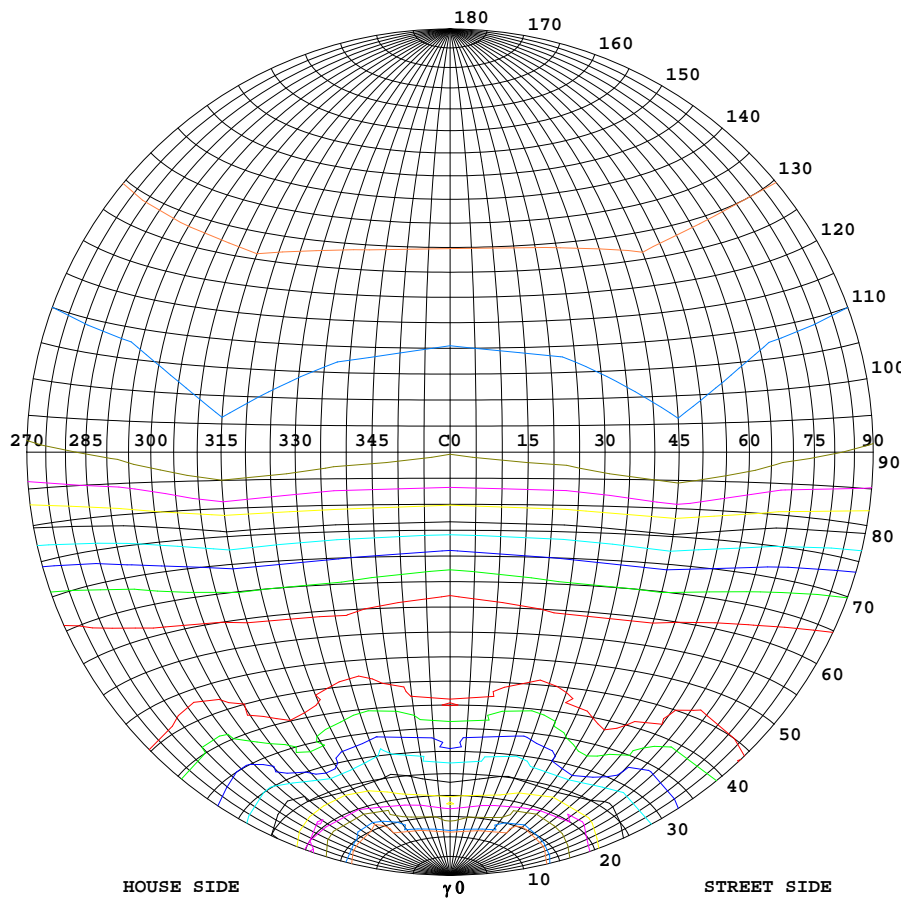
DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.44 lm/W			
MODEL		I <sub>max</sub> (cd)	589.4	η street_up(%)	5.2
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	44.6
RATED VOLTAGE(V)		TOTAL FLUX(lm)	2686	η house_up(%)	5.3
NOMINAL FLUX(lm)	2686.15	MAXIMUM @(C,γ )	90,54.0	η house_down(%)	44.9
LAMPS INSIDE	1	η up(%)	10.5	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	220	η down(%)	89.5	SLI	20.656



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-10-22

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**



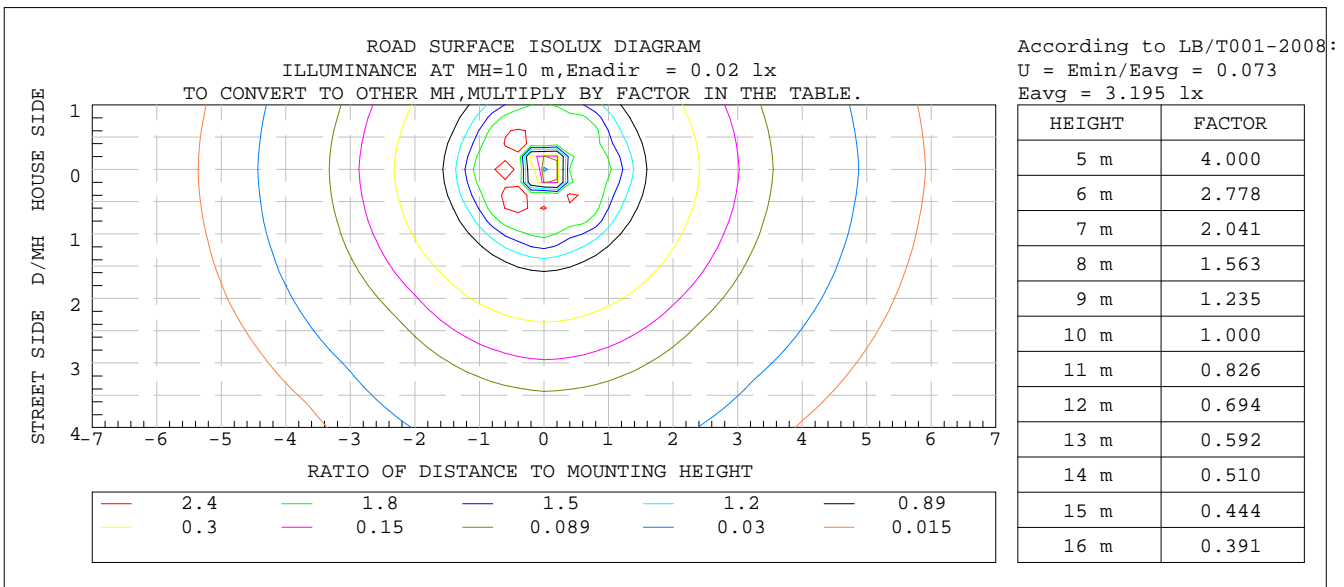
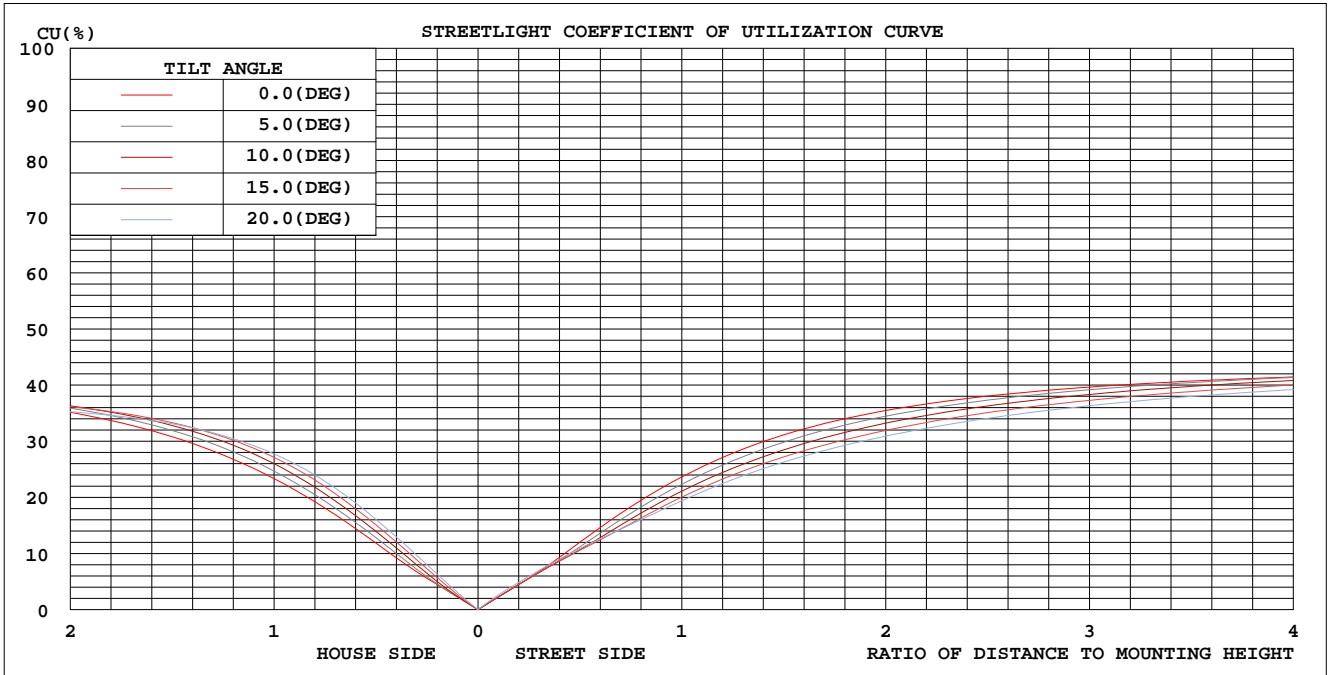
**Classification:**  
 IES:Type V - Very Short  
 CIE:Broad - Short  
 IES:None cut-off  
 CIE:Non-cut-off  
 Max.At80:118.7cd/klm  
 Max.At90:52.78cd/klm  
 Max.80-90:118.7cd/klm  
 NRB 5101:Semi limited[14.7%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	589
90%	530
80%	471
70%	413
60%	354
50%	295
40%	236
30%	177
20%	118
10%	59
5%	29

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-10-22

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: 2020-10-22

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:

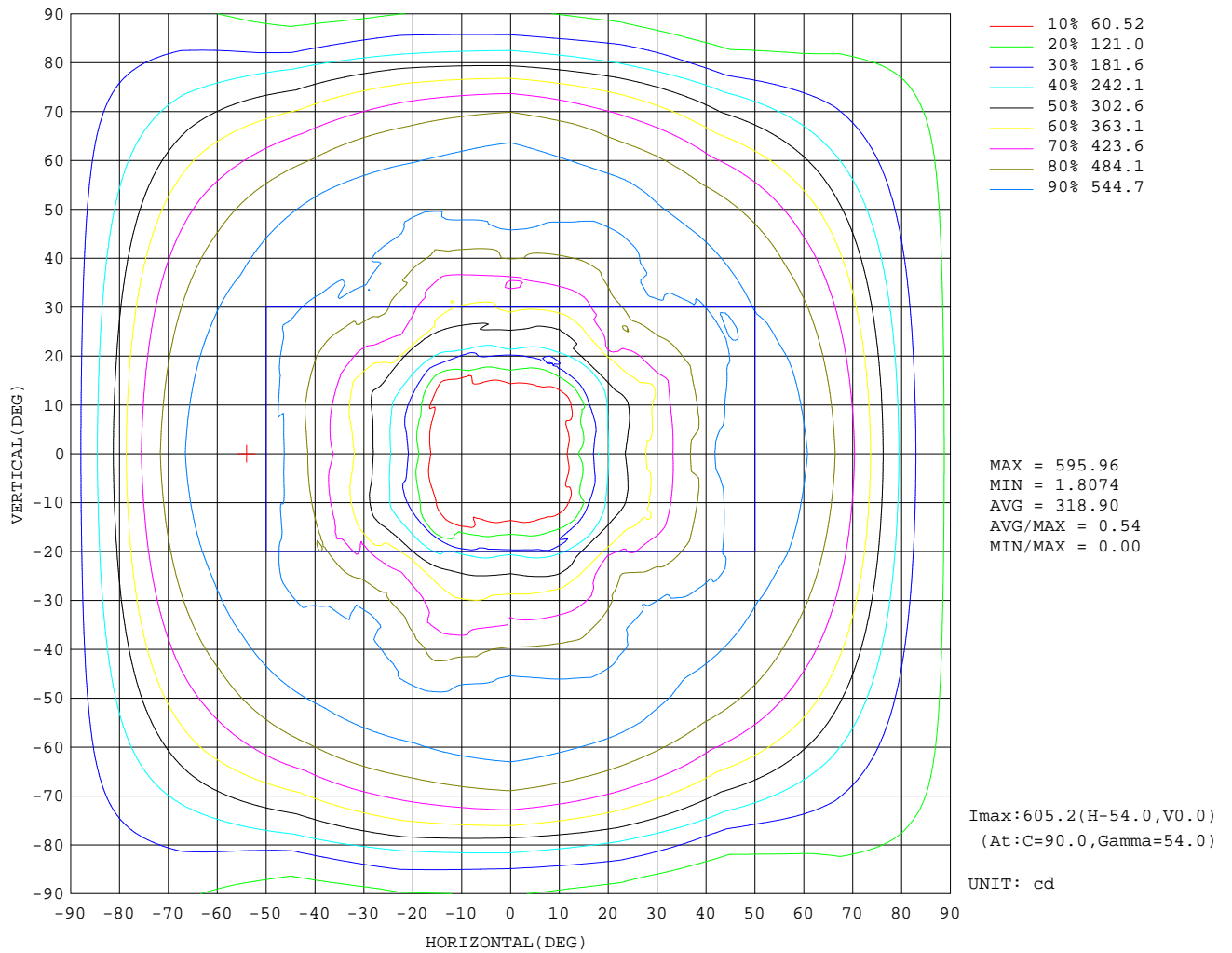
ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	9.179	8.492	6.695	5.366	4.492	5.391	6.979	8.531	0- 10	0.4283	0.4283	0.02,0.02
20	229.5	208.2	184.7	80.82	135.8	45.80	170.9	186.2	10- 20	20.30	20.73	0.77,0.77
30	379.0	458.0	385.3	407.7	327.8	420.1	376.3	443.8	20- 30	127.8	148.5	5.53,5.53
40	510.8	547.7	490.8	530.2	443.4	521.7	483.2	536.1	30- 40	268.4	416.9	15.5,15.5
50	565.4	570.0	584.2	578.8	555.2	572.7	584.4	564.0	40- 50	408.5	825.4	30.7,30.7
60	524.8	526.0	557.1	559.0	556.2	554.9	556.5	533.6	50- 60	504.3	1330	49.5,49.5
70	410.0	396.9	463.5	452.3	483.3	456.7	476.2	405.0	60- 70	500.3	1830	68.1,68.1
80	222.3	196.2	268.5	273.0	316.3	282.0	283.0	209.6	70- 80	382.0	2212	82.3,82.3
90	111.1	73.24	121.9	89.11	141.8	95.32	125.9	74.33	80- 90	192.3	2404	89.5,89.5
100	78.74	52.14	82.84	56.72	90.20	57.74	83.44	52.80	90-100	98.46	2503	93.2,93.2
110	57.05	40.94	58.15	43.06	64.67	44.02	58.23	41.28	100-110	67.38	2570	95.7,95.7
120	40.90	33.49	41.24	34.99	46.66	35.77	41.07	33.76	110-120	46.87	2617	97.4,97.4
130	27.83	27.15	28.63	28.80	32.47	28.94	28.38	26.98	120-130	31.28	2648	98.6,98.6
140	17.15	20.13	18.63	22.27	20.72	21.79	17.98	19.69	130-140	19.14	2667	99.3,99.3
150	11.49	12.95	13.84	15.00	14.63	14.79	13.28	13.22	140-150	10.66	2678	99.7,99.7
160	7.939	9.047	8.790	10.29	9.260	10.64	9.606	9.902	150-160	5.319	2683	99.9,99.9
170	5.473	5.506	6.096	6.343	5.823	6.457	6.169	5.688	160-170	2.251	2686	100,100
180	3.421	3.613	3.554	3.634	3.442	3.624	3.559	3.634	170-180	0.4596	2686	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:2020-10-22

$\gamma$  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:

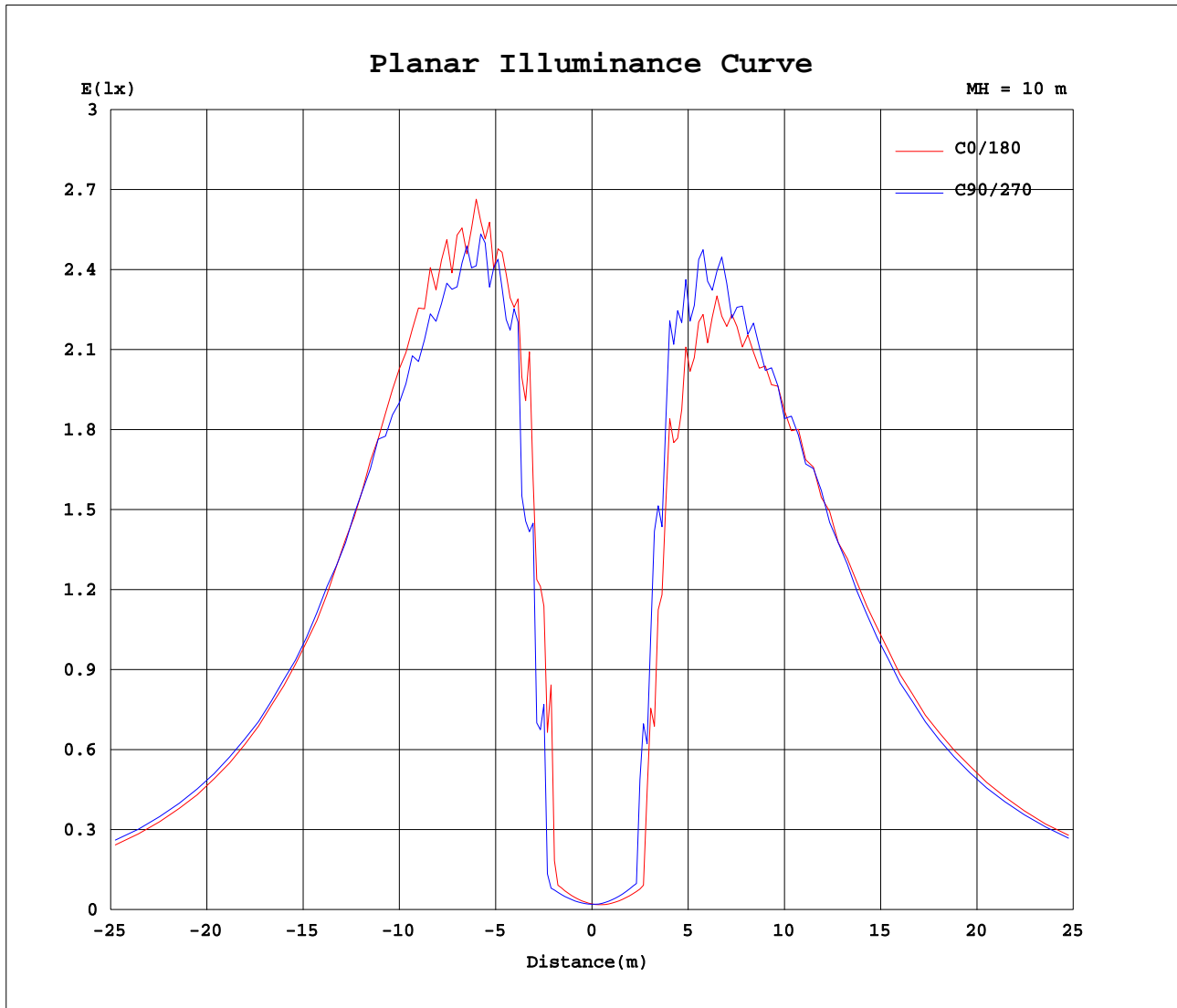
**ISOCANDELA DIAGRAM**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2020-10-22

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**



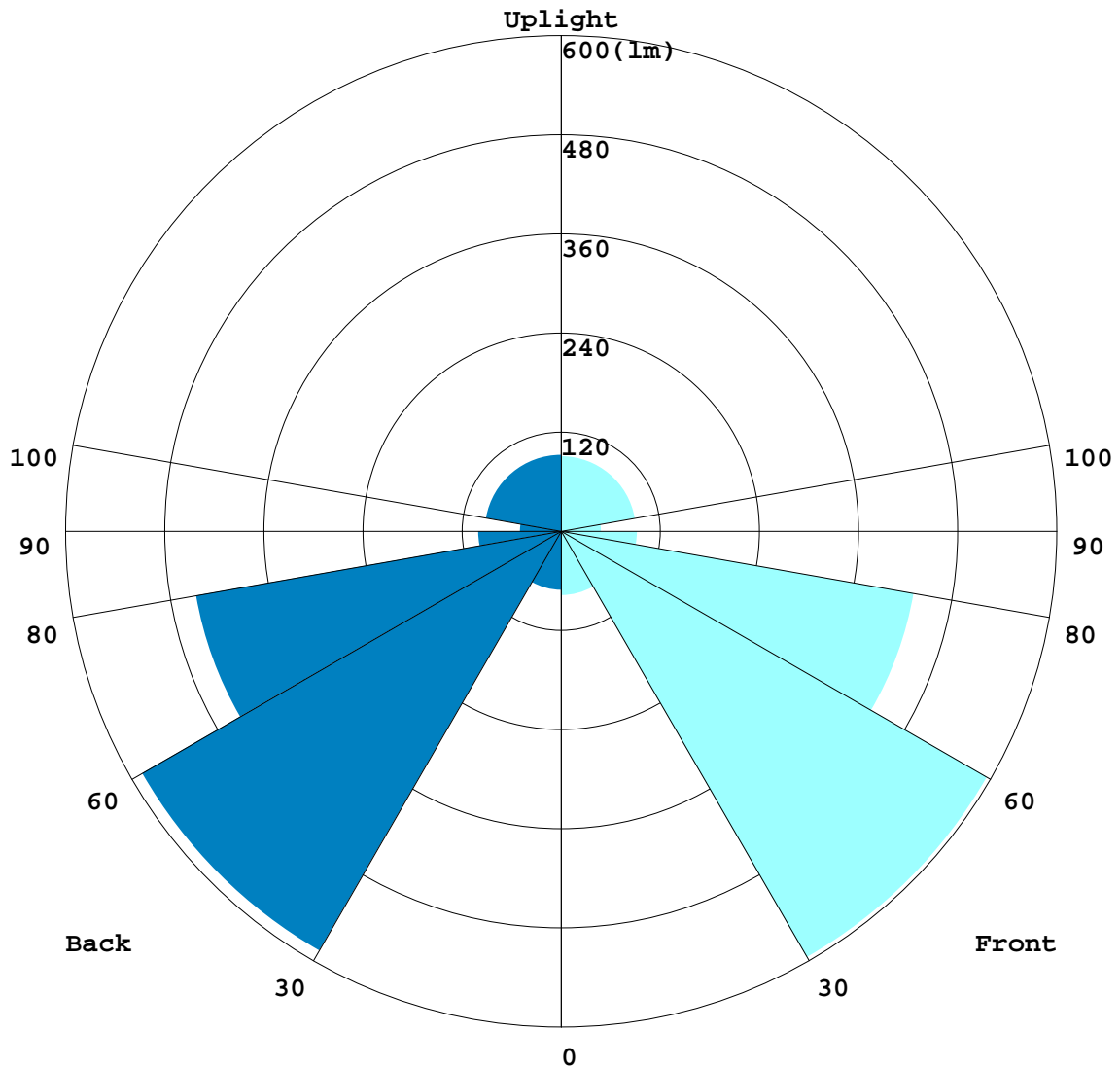
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2020-10-22

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:

**LCS REPORT**

Test:U:119.91V I:0.1784A P:21.245W PF:0.9933 Freq:49.99Hz Lamp Flux:2686.15x1 lm		
NAME: BLSB-40K22W-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:2020-10-22

$\gamma$  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:119.91V I:0.1784A P:21.245W PF:0.9933 Freq:49.99Hz Lamp Flux:2686.15x1 lm		
NAME: BLSB-40K22W-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)	77.473	2.9
FM - Front-Medium(30-60)	595.33	22.2
FH - Front-High(60-80)	433.44	16.1
FVH - Front-Very High(80-90)	91.907	3.4
<b>Total Forward Light</b>	<b>1337.5</b>	<b>49.8</b>

BL - Back-Low(0-30)	71.057	2.6
BM - Back-Medium(30-60)	585.83	21.8
BH - Back-High(60-80)	448.85	16.7
BVH - Back-Very High(80-90)	100.43	3.7
<b>Total Back Light</b>	<b>1348.7</b>	<b>50.2</b>

UL - Uplight-Low(90-100)	98.455	3.7
UH - Uplight-High(100-180)	183.37	6.8
<b>Total Up Light</b>	<b>281.83</b>	<b>10.5</b>

BUG(Back,Up,Glare) Rating	B1-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1206.2	142.51	1348.7
Street Side	1198.2	139.31	1337.5

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-10-22

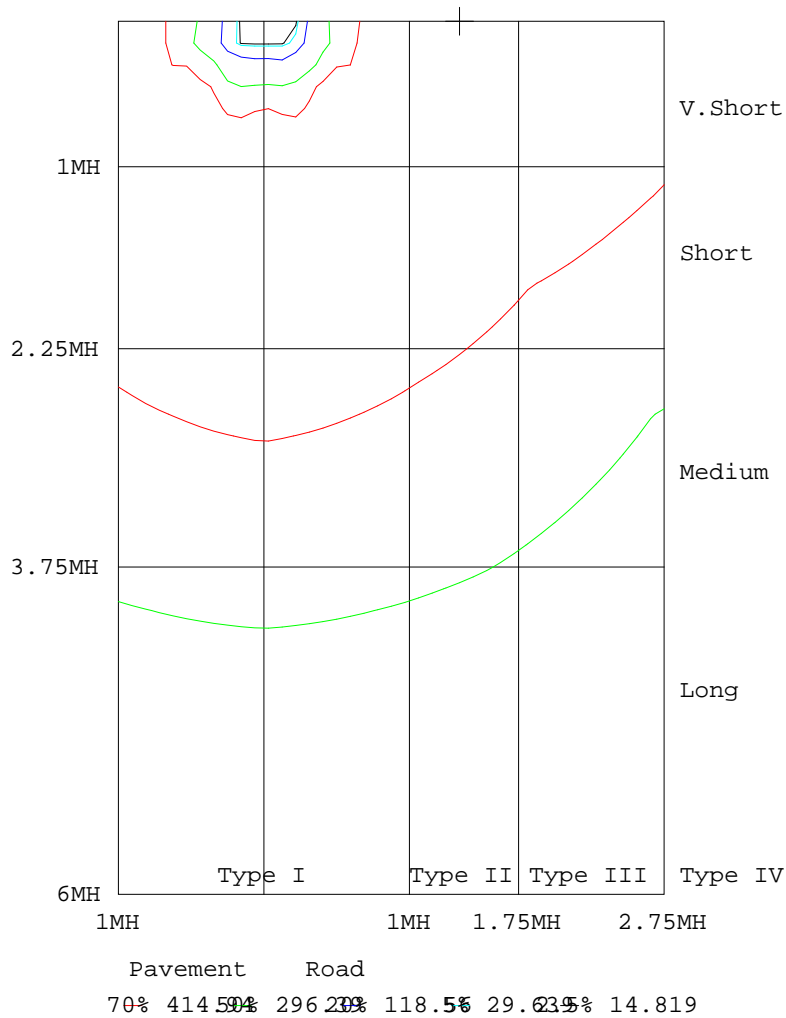
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.270m [K=1.0000]  
 Remarks:



**ROAD ISOCANDELA REPORT**

Test:U:119.91V I:0.1784A P:21.245W PF:0.9933 Freq:49.99Hz Lamp Flux:2686.15x1 lm		
NAME:BLSB-40K22W-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:2020-10-22

$\gamma$  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	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06			
5	4.41	4.43	4.10	3.75	3.28	2.92	2.50	2.20	2.11	2.07	2.34	2.91	3.19	3.70	4.01	4.17			
10	9.18	9.41	8.49	7.71	6.69	5.90	5.37	4.70	4.49	4.81	5.39	6.34	6.98	7.99	8.53	9.07			
15	128	101	15.5	94.5	73.9	93.3	10.3	9.54	9.71	9.99	10.8	28.9	76.4	68.8	15.8	90.2			
20	230	226	208	173	185	179	80.8	112	136	129	45.8	178	171	187	186	224			
25	316	292	343	276	309	282	222	215	240	225	225	279	292	276	356	281			
30	379	363	458	381	385	336	408	280	328	294	420	328	376	354	444	345			
35	439	437	501	460	420	400	480	410	379	367	468	377	422	415	488	420			
40	511	486	548	492	491	452	530	441	443	436	522	459	483	470	536	479			
45	547	526	570	526	531	497	564	497	505	505	555	496	514	510	559	515			
50	565	553	570	580	584	538	579	528	555	536	573	546	584	556	564	539			
55	548	559	549	580	583	572	570	554	575	563	563	573	579	564	556	548			
60	525	533	526	560	557	562	559	558	556	563	555	570	557	550	534	524			
65	480	481	472	508	522	524	520	519	535	533	520	529	530	507	476	474			
70	410	415	397	445	464	465	452	466	483	480	457	477	476	448	405	409			
75	316	327	303	359	379	389	369	396	413	413	379	403	394	367	314	323			
80	222	225	196	250	268	287	273	304	316	319	282	300	283	259	210	222			
85	146	145	111	160	177	193	158	210	223	221	167	203	191	169	120	141			
90	111	107	73.2	110	122	121	89.1	128	142	135	95.3	123	126	112	74.3	103			
95	94.9	90.5	61.4	92.2	101	97.7	68.1	99.9	108	104	69.0	97.7	102	93.3	62.2	86.9			
100	78.7	76.3	52.1	76.9	82.8	80.8	56.7	83.8	90.2	87.0	57.7	81.2	83.4	77.4	52.8	73.0			
105	66.6	65.1	45.7	65.2	68.9	67.9	48.7	70.8	76.0	73.6	49.8	68.3	69.3	65.3	46.2	62.3			
110	57.1	56.0	40.9	56.1	58.2	57.9	43.1	60.7	64.7	63.2	44.0	58.3	58.2	55.9	41.3	53.6			
115	48.6	48.2	36.9	48.5	49.0	49.8	38.7	52.3	55.2	54.3	39.6	49.9	49.0	47.8	37.3	46.1			
120	40.9	41.1	33.5	41.5	41.2	42.7	35.0	45.1	46.7	46.3	35.8	42.8	41.1	40.2	33.8	39.6			
125	34.1	34.6	30.4	35.1	34.6	36.2	31.8	38.4	39.2	39.0	32.3	36.6	34.3	33.7	30.5	33.5			
130	27.8	29.0	27.2	29.6	28.6	30.7	28.8	32.4	32.5	32.5	28.9	30.9	28.4	28.1	27.0	28.2			
135	22.2	23.7	23.7	24.7	23.3	25.8	25.6	26.9	26.4	26.9	25.3	25.7	22.9	22.9	23.4	23.2			
140	17.1	18.9	20.1	20.1	18.6	21.4	22.3	21.6	20.7	21.5	21.8	21.4	18.0	18.8	19.7	18.7			
145	14.2	15.7	16.2	17.4	15.9	18.3	18.6	18.1	17.0	18.4	18.0	18.1	15.8	16.2	15.7	15.6			
150	11.5	12.6	13.0	14.2	13.8	15.4	15.0	14.9	14.6	15.2	14.8	14.7	13.3	13.1	13.2	12.4			
155	9.22	10.5	10.7	10.9	10.9	12.2	12.3	11.5	11.5	11.8	12.4	12.6	11.0	10.8	11.4	10.5			
160	7.94	8.87	9.05	8.37	8.79	10.08	10.3	9.37	9.26	9.25	10.6	10.9	9.61	8.66	9.90	8.93			
165	6.96	7.58	7.32	6.75	7.42	8.31	8.53	7.76	7.33	7.75	9.03	9.43	8.40	7.18	7.88	7.65			
170	5.47	5.69	5.51	5.50	6.10	6.50	6.34	6.18	5.82	6.39	6.46	6.53	6.17	5.34	5.69	5.64			
175	3.76	3.91	3.75	3.94	4.29	4.54	4.45	4.47	4.33	4.72	4.59	4.68	4.42	4.02	3.95	4.02			
180	3.42	3.65	3.61	3.68	3.55	3.66	3.63	3.58	3.44	3.65	3.62	3.67	3.56	3.65	3.63	3.56			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2020-10-22

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: