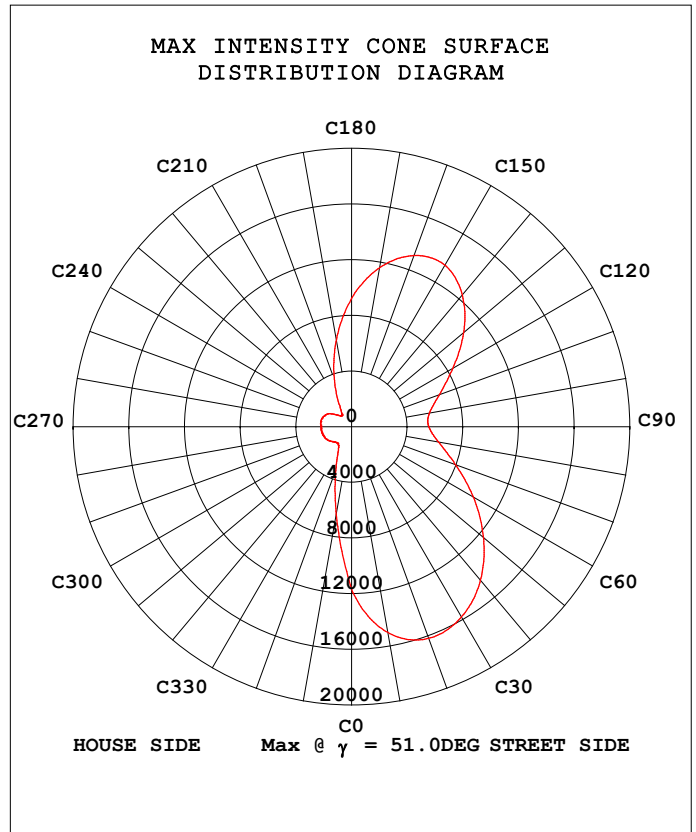
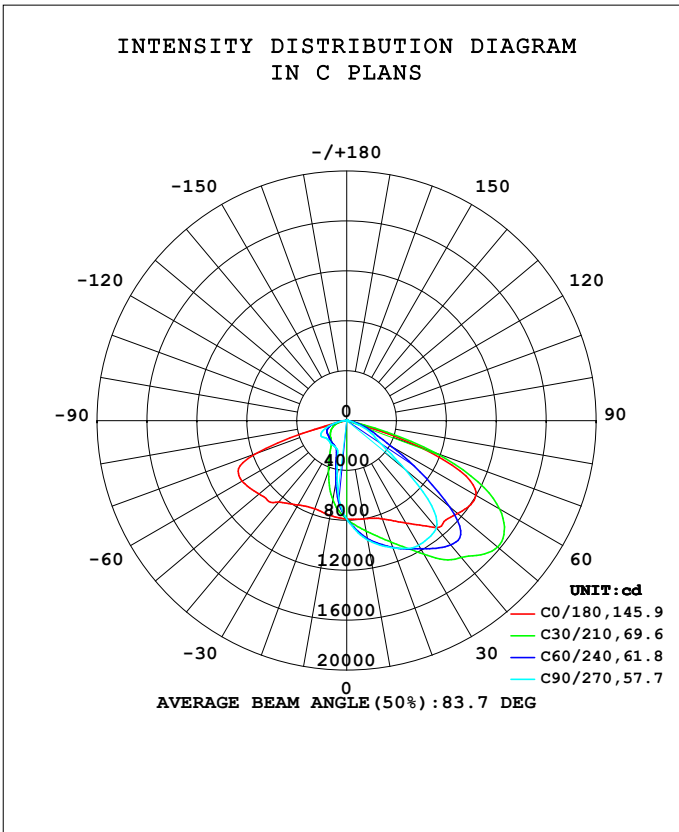


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.12V I:0.8951A P:194.67W PF:0.9880 Freq:49.99Hz Lamp Flux:28990.2x1 lm		
NAME: LEVANTE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	3030-5000K	Imax (cd)	15786	η street_up (%)	0.2
NOMINAL POWER (W)	200	LOR (%)	100.0	η street_down (%)	72.8
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	28990	η house_up (%)	0.4
NOMINAL FLUX (lm)	28990.2	MAXIMUM @ (C, γ)	30,51.0	η house_down (%)	26.6
LAMPS INSIDE	1	η up (%)	0.6	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	220	η down (%)	99.4	SLI	21.242

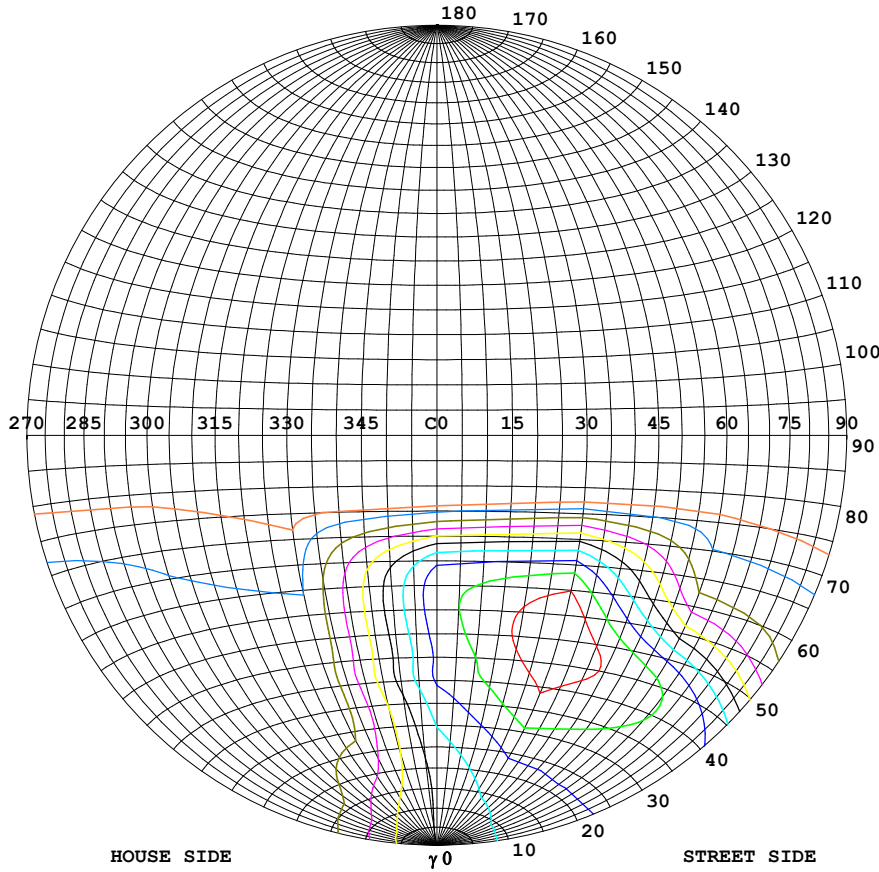


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: ADMIN
 Test Date: 2023-05-27

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:220.12V I:0.8951A P:194.67W PF:0.9880 Freq:49.99Hz Lamp Flux:28990.2x1 lm		
NAME: LEVANTE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:



Classification:

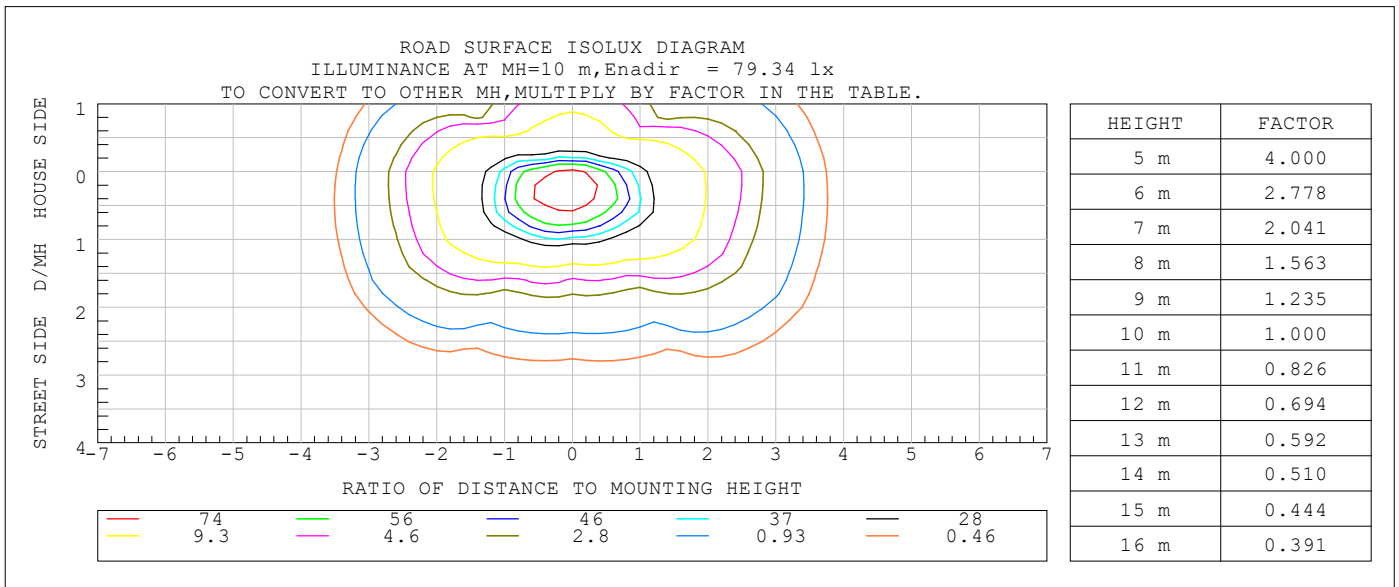
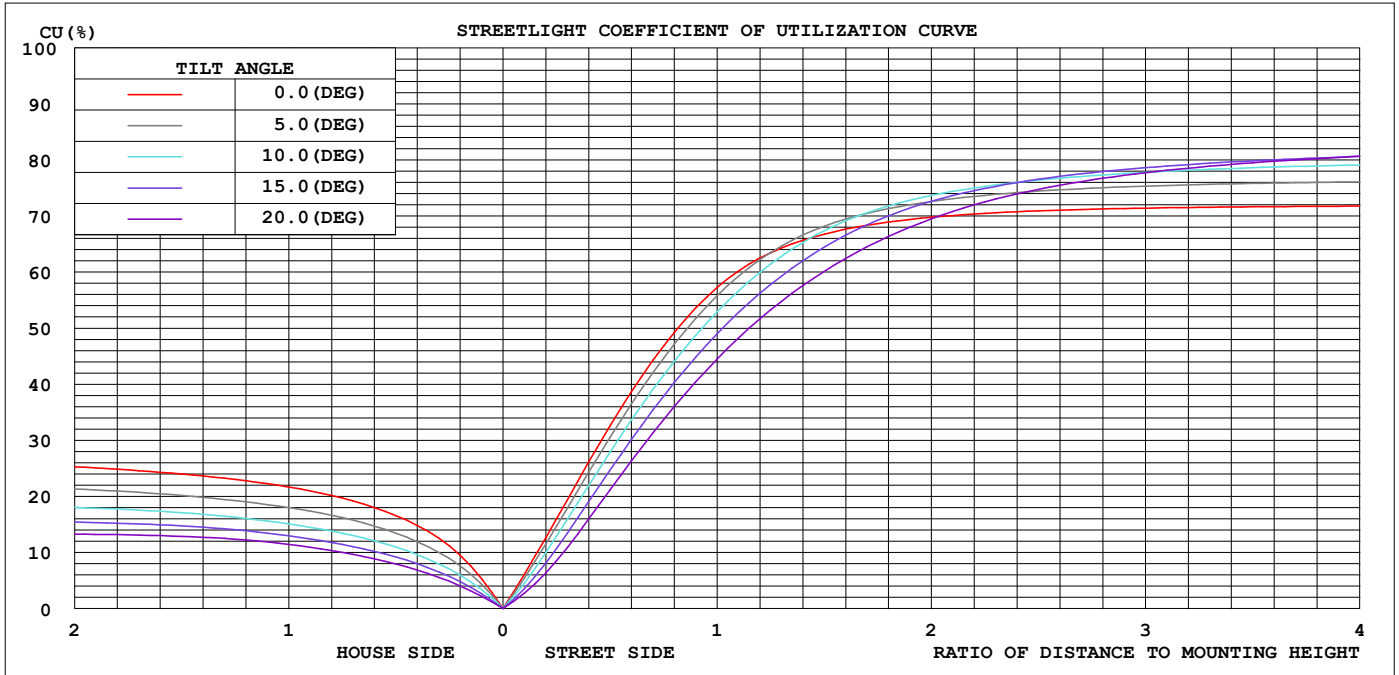
IES:Type II - Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:24.74cd/klm
 Max.At90:0.9177cd/klm
 Max.80-90:24.74cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	15786
— 90%	14208
— 80%	12629
— 70%	11050
— 60%	9472
— 50%	7893
— 40%	6315
— 30%	4736
— 20%	3157
— 10%	1579
— 5%	789

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:ADMIN
 Test Date:2023-05-27

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: ADMIN
Test Date: 2023-05-27

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:220.12V I:0.8951A P:194.67W PF:0.9880 Freq:49.99Hz Lamp Flux:28990.2x1 lm		
NAME: LEVANTE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:

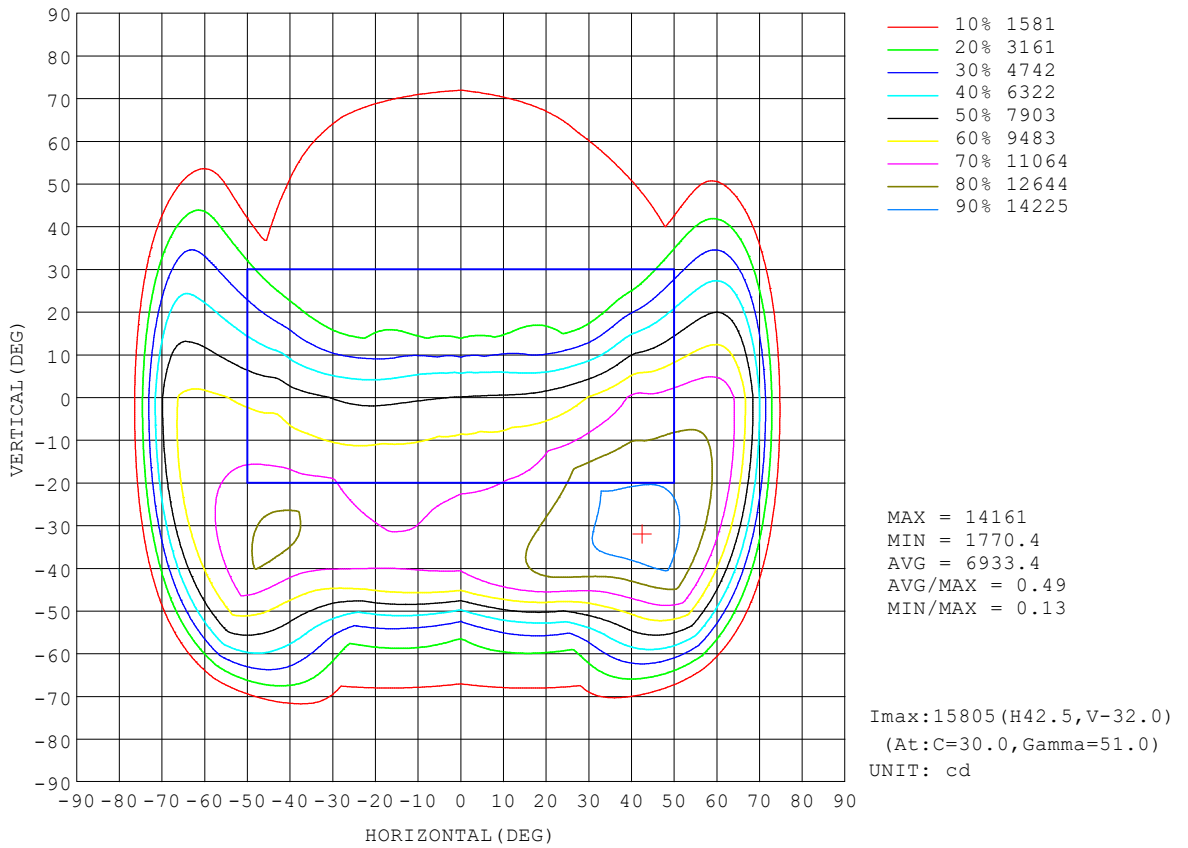
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	800.5	928.7	971.7	908.8	771.3	575.0	450.2	588.4	0- 10	735.2	735.2	2.54,2.54
20	838.7	1059	1084	991.1	752.7	336.9	239.4	353.6	10- 20	2027	2762	9.53,9.53
30	948.1	1211	1155	1060	781.5	237.5	227.2	254.3	20- 30	3277	6039	20.8,20.8
40	1120	1366	1119	1157	853.1	201.3	218.2	223.0	30- 40	4678	10717	37,37
50	1161	1329	619.4	1117	916.5	182.1	217.8	195.2	40- 50	5857	16575	57.2,57.2
60	1196	915.0	259.0	807.3	970.1	164.3	240.6	164.6	50- 60	5716	22291	76.9,76.9
70	629.0	457.9	117.0	498.7	776.8	124.8	179.3	112.4	60- 70	4658	26948	93,93
80	23.91	30.85	18.05	40.76	39.69	56.74	67.91	47.03	70- 80	1710	28658	98.9,98.9
90	1.316	0.7462	0.5313	0.6030	1.874	2.421	0.4985	2.022	80- 90	159.8	28818	99.4,99.4
100	2.341	0.6980	0.6973	0.6311	2.703	2.043	0.9345	2.094	90-100	12.85	28830	99.4,99.4
110	3.217	1.039	0.8805	0.9517	3.877	3.375	1.928	3.201	100-110	19.78	28850	99.5,99.5
120	3.792	1.391	0.9984	1.268	4.562	4.375	3.242	4.154	110-120	25.70	28876	99.6,99.6
130	4.346	1.747	1.120	1.526	5.130	4.939	4.366	4.822	120-130	28.49	28904	99.7,99.7
140	4.620	2.114	1.251	1.794	5.391	5.330	4.966	5.034	130-140	27.83	28932	99.8,99.8
150	4.480	2.558	1.590	2.152	5.165	5.604	5.320	4.970	140-150	24.03	28956	99.9,99.9
160	4.395	3.102	2.286	2.616	4.919	5.462	5.457	4.656	150-160	18.53	28975	99.9,99.9
170	4.410	3.684	3.157	3.095	4.690	4.917	4.873	4.138	160-170	11.54	28986	100,100
180	4.512	4.299	4.034	3.643	4.514	4.300	4.031	3.644	170-180	3.881	28990	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:ADMIN
 Test Date:2023-05-27

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

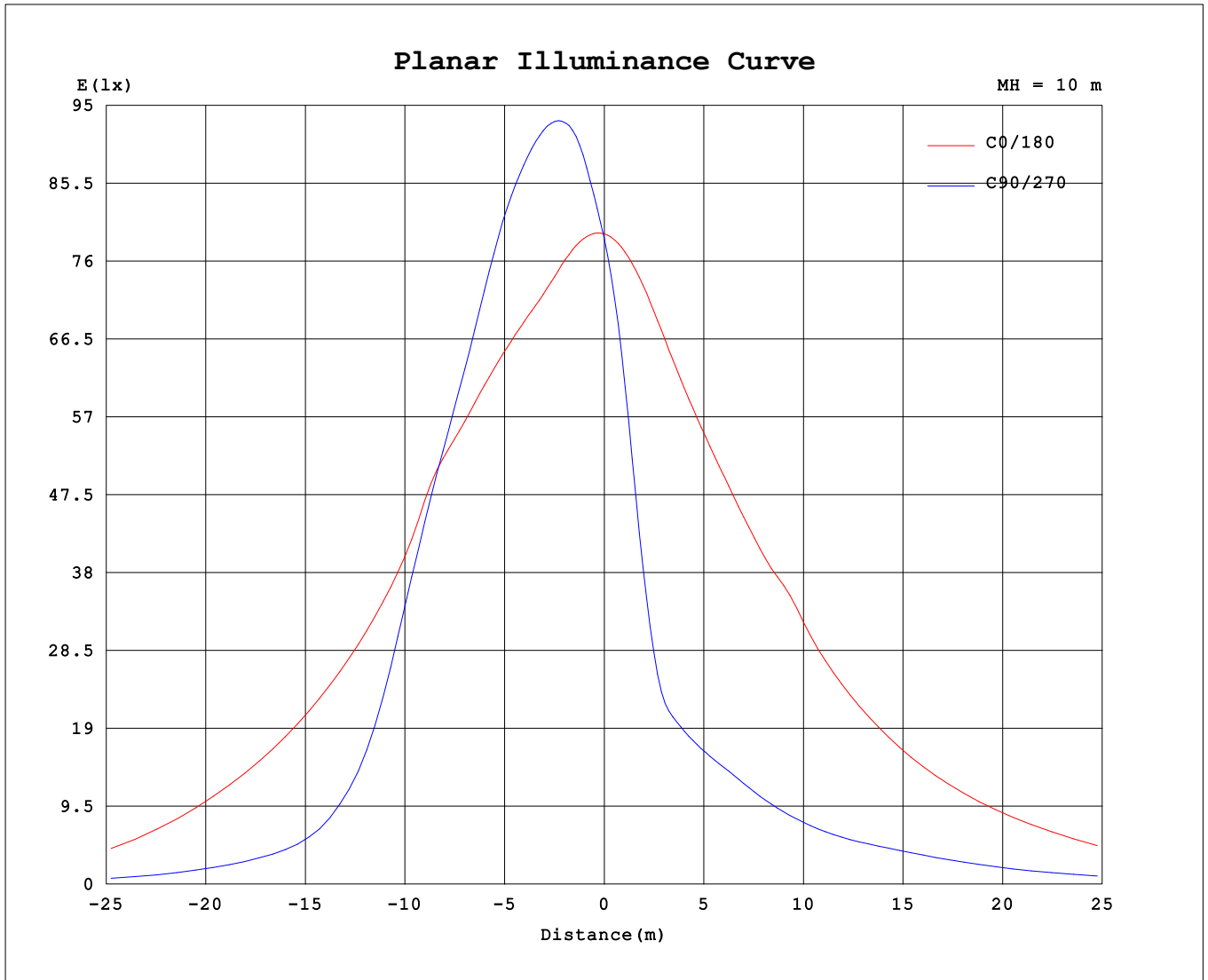
Test:U:220.12V I:0.8951A P:194.67W PF:0.9880 Freq:49.99Hz Lamp Flux:28990.2x1 lm		
NAME: LEVANTE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:ADMIN
 Test Date:2023-05-27

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



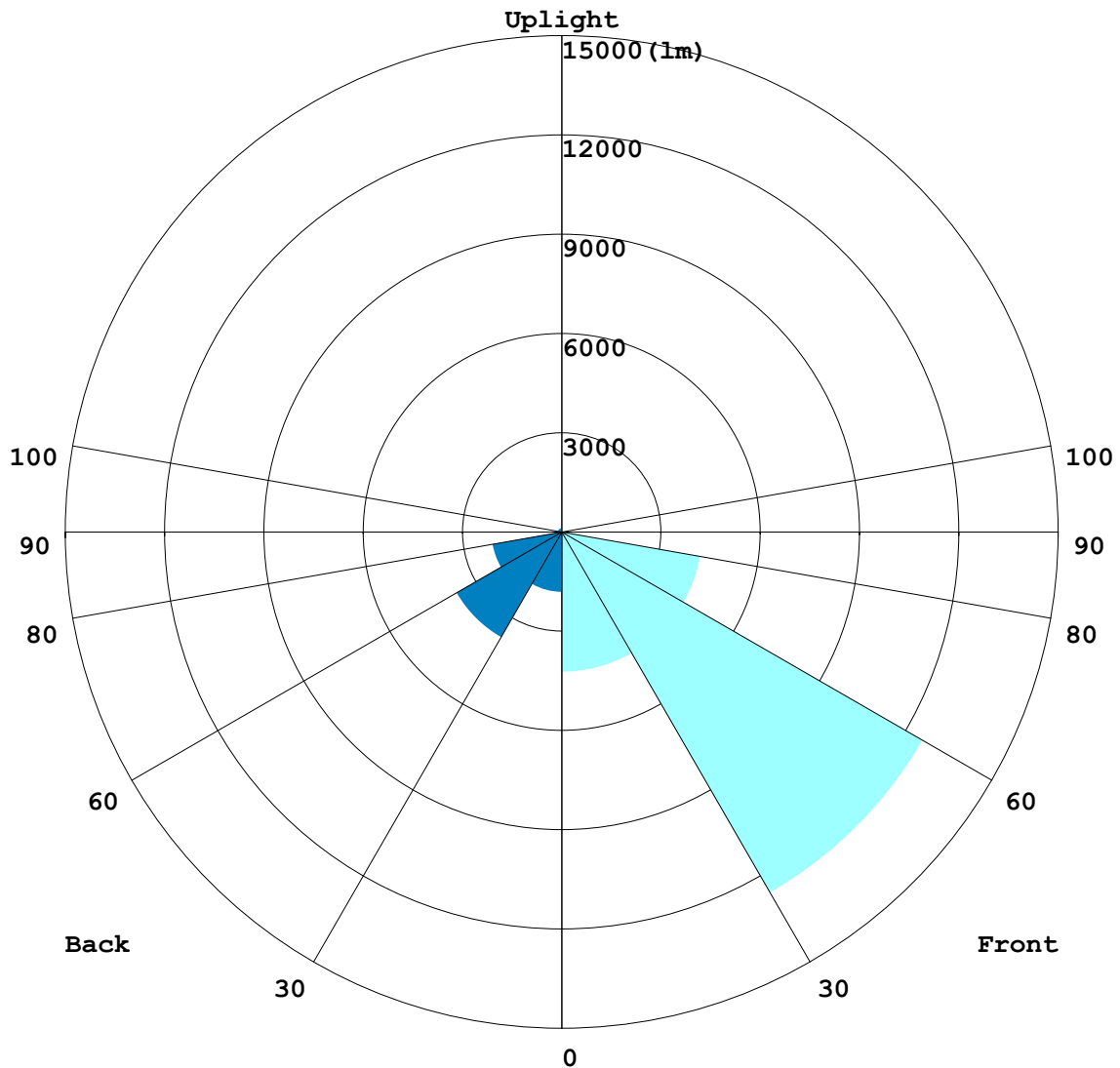
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: ADMIN
 Test Date: 2023-05-27

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:220.12V I:0.8951A P:194.67W PF:0.9880 Freq:49.99Hz		
Lamp Flux:28990.2x1 lm		
NAME: LEVANTE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:ADMIN
 Test Date:2023-05-27

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:220.12V I:0.8951A P:194.67W PF:0.9880 Freq:49.99Hz Lamp Flux:28990.2x1 lm		
NAME: LEVANTE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4224.8	14.6
FM - Front-Medium(30-60)	12585	43.4
FH - Front-High(60-80)	4242.3	14.6
FVH - Front-Very High(80-90)	46.721	0.2
Total Forward Light	21154	73.0

BL - Back-Low(0-30)	1814.1	6.3
BM - Back-Medium(30-60)	3666.5	12.6
BH - Back-High(60-80)	2125	7.3
BVH - Back-Very High(80-90)	113.05	0.4
Total Back Light	7836.5	27.0

UL - Uplight-Low(90-100)	12.852	0.0
UH - Uplight-High(100-180)	159.79	0.6
Total Up Light	172.64	0.6

BUG(Back,Up,Glare) Rating	B3-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7718.7	117.8	7836.5
Street Side	21099	54.84	21154

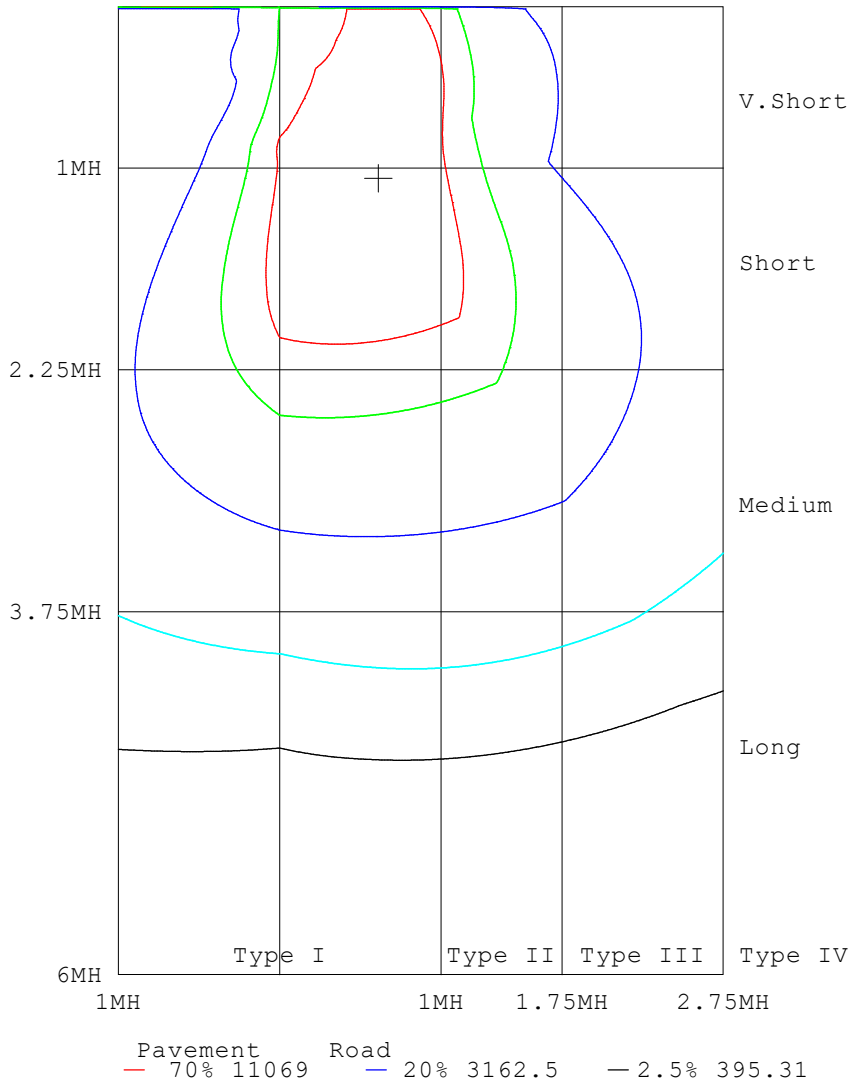
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:ADMIN
 Test Date:2023-05-27

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:220.12V I:0.8951A P:194.67W PF:0.9880 Freq:49.99Hz Lamp Flux:28990.2x1 lm		
NAME: LEVANTE	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:ADMIN
 Test Date:2023-05-27

— 50% 7906.3 — 5% 790.63

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:220.12V I:0.8951A P:194.67W PF:0.9880 Freq:49.99Hz Lamp Flux:28990.2x1 lm		
NAME: LEVANTE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:

Table--1

UNIT: X10cd

C (DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	789	789	789	789	789	789	789	789	789	789	789	789							
5	795	843	876	887	870	832	782	728	678	657	683	737							
10	800	899	959	972	944	873	771	645	505	450	513	664							
15	811	961	1023	1033	996	911	759	540	339	285	346	567							
20	839	1036	1082	1084	1037	946	753	429	245	239	250	458							
25	886	1125	1135	1131	1064	985	761	334	227	230	232	363							
30	948	1236	1185	1155	1079	1040	781	257	218	227	222	286							
35	1022	1361	1249	1147	1108	1115	811	215	212	225	216	243							
40	1120	1432	1299	1119	1126	1187	853	197	206	218	209	237							
45	1126	1520	1292	962	1094	1267	899	186	198	215	202	225							
50	1161	1578	1079	619	899	1336	917	173	192	218	197	193							
55	1197	1542	722	360	590	1335	946	160	188	234	189	177							
60	1196	1413	417	259	356	1259	970	144	185	241	176	153							
65	1055	1162	254	191	240	1094	961	124	174	221	161	120							
70	629	753	162	117	164	834	777	99.5	150	179	136	89.1							
75	142	236	94.3	58.0	96.8	392	268	72.2	116	123	101	61.4							
80	23.9	23.4	38.3	18.0	42.0	39.5	39.7	41.8	71.7	67.9	60.5	33.6							
85	6.29	5.02	2.73	1.76	4.95	6.85	9.51	14.9	29.3	17.9	21.7	10.6							
90	1.32	1.07	0.42	0.53	0.43	0.78	1.87	2.66	2.18	0.50	1.50	2.55							
95	1.79	0.60	0.50	0.59	0.50	0.49	2.04	2.02	0.86	0.66	0.89	2.15							
100	2.34	0.80	0.60	0.70	0.61	0.66	2.70	2.79	1.29	0.93	1.36	2.83							
105	2.86	1.04	0.69	0.80	0.71	0.86	3.36	3.58	1.92	1.36	1.97	3.39							
110	3.22	1.29	0.78	0.88	0.80	1.11	3.88	4.14	2.61	1.93	2.63	3.77							
115	3.50	1.55	0.87	0.94	0.88	1.35	4.24	4.56	3.29	2.58	3.27	4.13							
120	3.79	1.83	0.95	1.00	0.96	1.58	4.56	4.88	3.87	3.24	3.84	4.47							
125	4.06	2.09	1.05	1.06	1.04	1.77	4.86	5.07	4.32	3.86	4.30	4.75							
130	4.35	2.34	1.15	1.12	1.12	1.93	5.13	5.25	4.63	4.37	4.67	4.98							
135	4.58	2.55	1.30	1.18	1.21	2.09	5.36	5.48	4.83	4.74	4.93	5.06							
140	4.62	2.74	1.48	1.25	1.35	2.24	5.39	5.64	5.02	4.97	5.09	4.98							
145	4.56	2.92	1.72	1.37	1.54	2.38	5.30	5.71	5.26	5.12	5.17	4.87							
150	4.48	3.11	2.01	1.59	1.78	2.52	5.16	5.68	5.52	5.32	5.19	4.75							
155	4.43	3.30	2.34	1.90	2.08	2.68	5.04	5.57	5.64	5.48	5.15	4.57							
160	4.39	3.49	2.71	2.29	2.39	2.85	4.92	5.39	5.54	5.46	4.97	4.34							
165	4.39	3.69	3.09	2.73	2.69	3.02	4.80	5.15	5.28	5.23	4.68	4.12							
170	4.41	3.90	3.47	3.16	2.99	3.20	4.69	4.90	4.94	4.87	4.36	3.92							
175	4.46	4.13	3.83	3.58	3.32	3.39	4.60	4.64	4.57	4.46	4.03	3.75							
180	4.51	4.39	4.21	4.03	3.70	3.59	4.51	4.39	4.21	4.03	3.70	3.59							

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:ADMIN
 Test Date:2023-05-27

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: