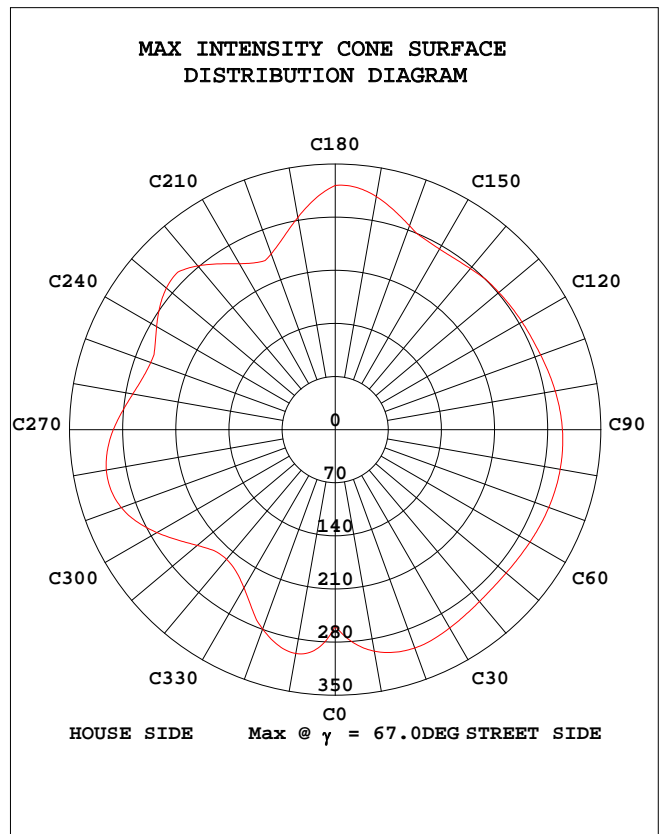
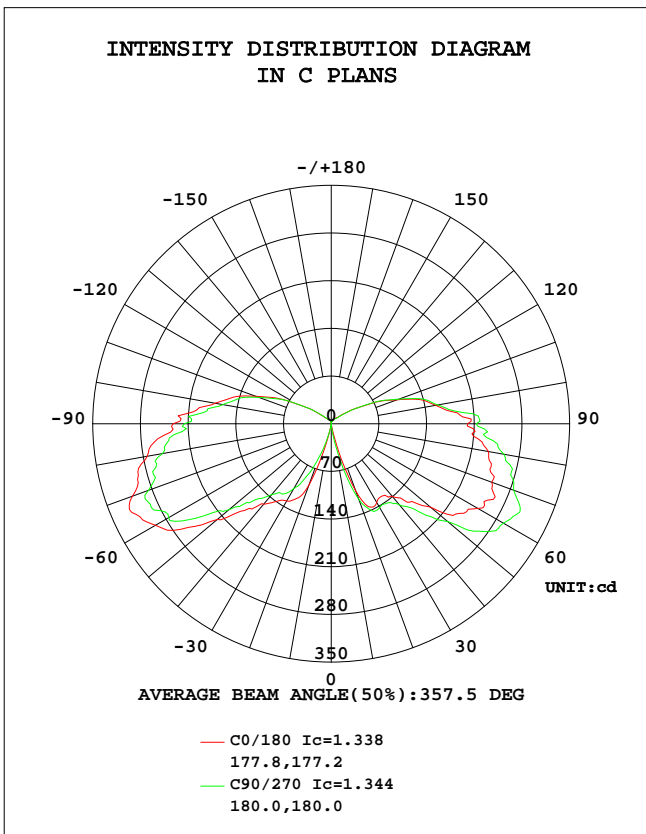


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.89V I:0.1921A P:22.872W PF:0.9930 Freq:59.98Hz Lamp Flux:1803.27x1 lm		
NAME: 24W 4K G5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.03*1	Shielding Angle:

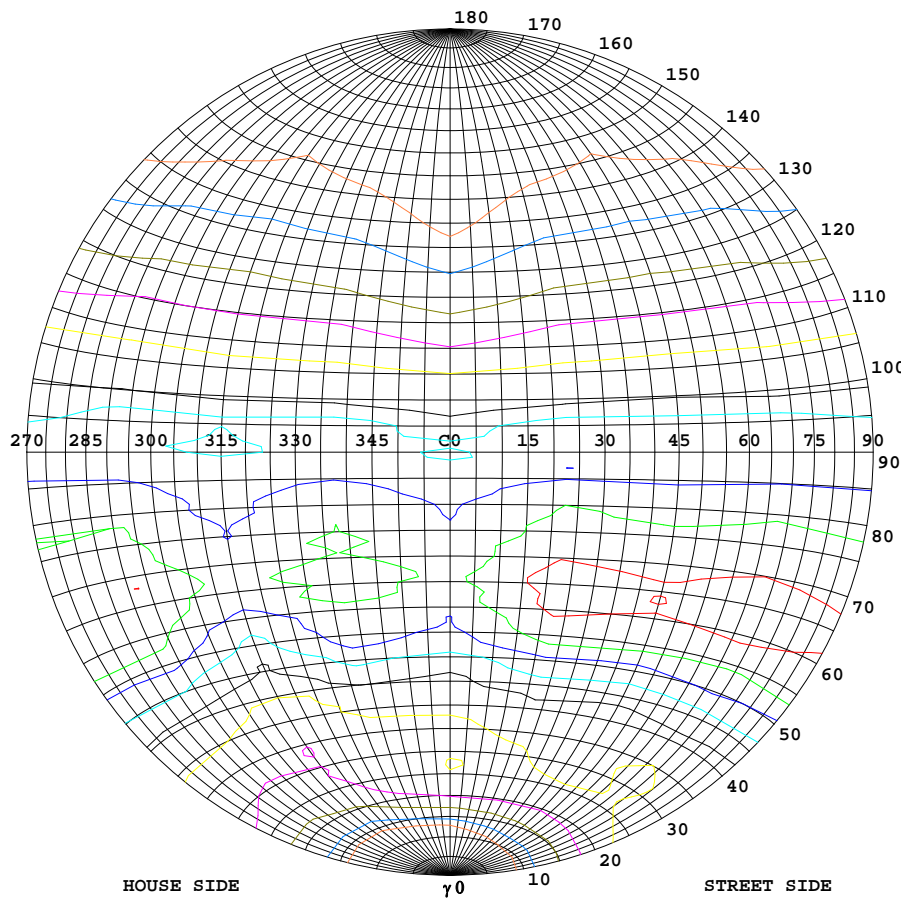
DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.84 lm/W			
MODEL		I _{max} (cd)	321.8	η street_up(%)	14.5
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	36.9
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1803	η house_up(%)	14.6
NOMINAL FLUX(lm)	1803.27	MAXIMUM @(C,γ)	180,67.0	η house_down(%)	33.9
LAMPS INSIDE	1	η up(%)	29.1	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	70.9	SLI	20.213



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JZ
 Test Date:2023-01-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:8.450m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

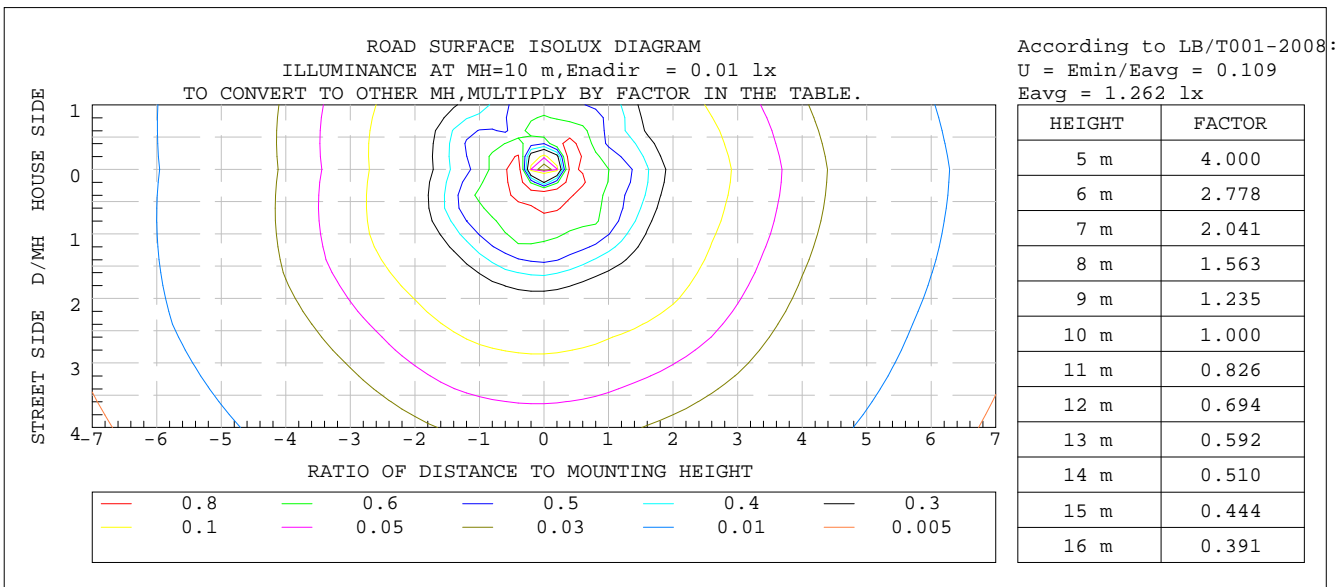
IES:Type V - Medium
 CIE:Broad - Intermediate
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:152.2cd/klm
 Max.At90:128.7cd/klm
 Max.80-90:152.2cd/klm
 NRB 5101:Semi limited[15.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	322
90%	290
80%	257
70%	225
60%	193
50%	161
40%	129
30%	97
20%	64
10%	32
5%	16

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JZ
 Test Date:2023-01-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:8.450m [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: JZ
Test Date: 2023-01-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.429
Humidity: 65.0%
Test Distance: 8.450m [K=1.0000]
Remarks:

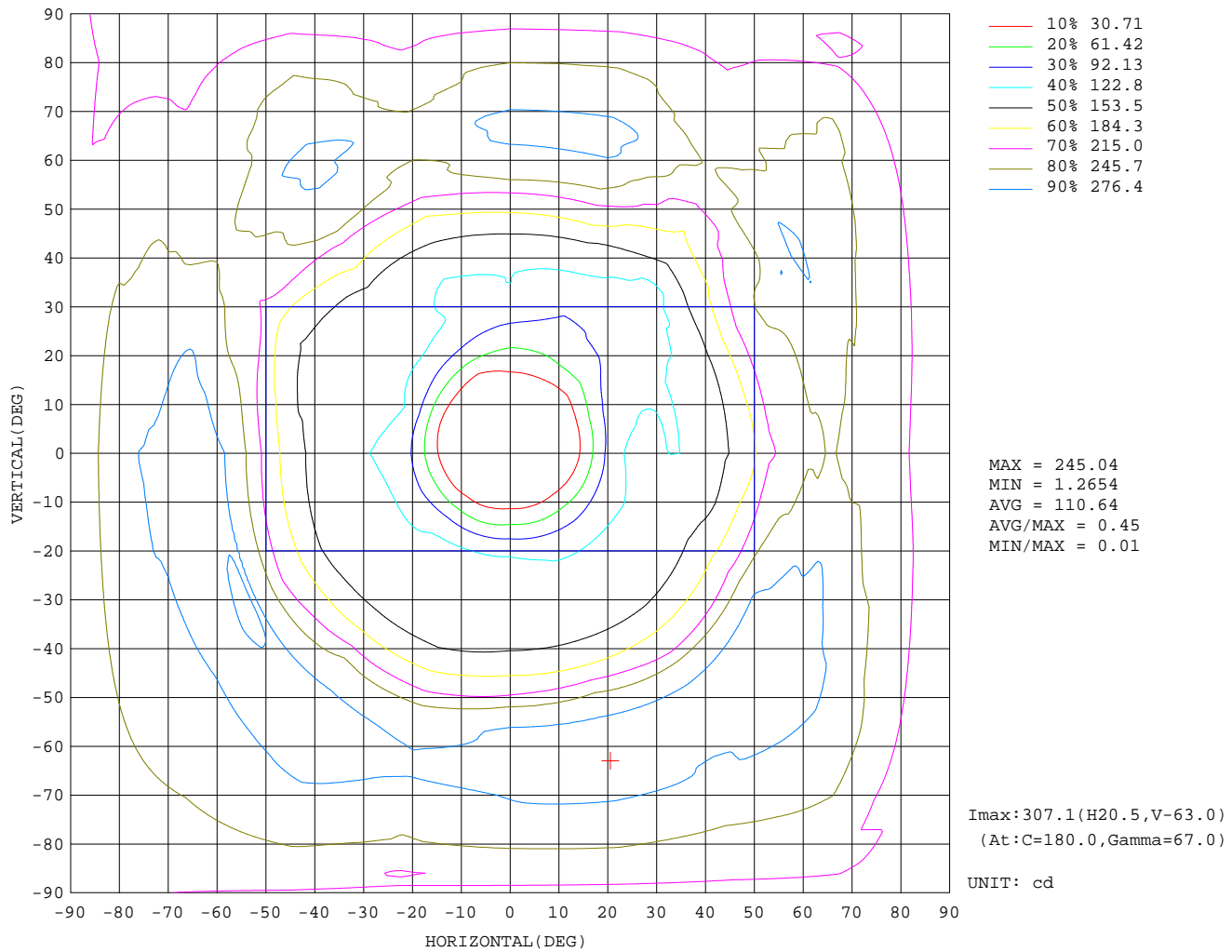
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2.983	16.85	22.53	11.54	2.443	1.944	2.849	3.041	0- 10	0.3293	0.3293	0.02,0.02
20	104.6	101.1	118.2	101.3	94.77	74.16	51.53	54.68	10- 20	13.13	13.46	0.75,0.75
30	133.5	137.5	142.0	116.4	130.8	138.5	110.0	89.44	20- 30	52.35	65.82	3.65,3.65
40	139.3	152.2	155.4	133.2	154.3	143.5	135.3	102.0	30- 40	81.08	146.9	8.15,8.15
50	190.5	213.2	223.4	204.2	218.6	200.9	196.9	147.3	40- 50	128.8	275.7	15.3,15.3
60	248.6	290.4	292.1	269.8	297.9	281.2	275.8	197.2	50- 60	214.6	490.2	27.2,27.2
70	251.0	279.4	285.2	271.8	310.6	284.8	285.3	216.9	60- 70	273.0	763.2	42.3,42.3
80	234.1	251.7	257.4	237.2	274.5	255.1	251.3	200.6	70- 80	271.3	1034	57.4,57.4
90	200.3	215.7	213.0	196.5	232.1	217.9	215.6	173.2	80- 90	243.8	1278	70.9,70.9
100	156.1	162.7	159.4	152.7	173.4	170.2	162.2	145.0	90-100	210.1	1488	82.5,82.5
110	103.5	120.0	106.2	113.0	118.7	124.8	113.6	108.6	100-110	146.3	1635	90.6,90.6
120	50.12	74.85	50.39	71.02	58.22	81.58	58.42	69.01	110-120	91.68	1726	95.7,95.7
130	21.06	38.97	19.68	36.59	21.77	44.42	22.71	36.47	120-130	44.49	1771	98.2,98.2
140	11.55	20.50	9.995	18.60	9.953	23.24	10.34	18.92	130-140	18.17	1789	99.2,99.2
150	7.232	14.91	6.304	13.34	7.081	16.44	6.947	13.18	140-150	8.500	1797	99.7,99.7
160	5.346	7.891	4.183	7.425	5.504	10.46	4.675	8.405	150-160	4.200	1802	99.9,99.9
170	2.895	2.157	1.939	2.168	2.822	3.980	3.842	3.188	160-170	1.390	1803	100,100
180	0.5039	0.5849	0.7560	0.8323	0.5039	0.5907	0.7909	0.8323	170-180	0.1869	1803	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JZ
 Test Date:2023-01-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:8.450m [K=1.0000]
 Remarks:

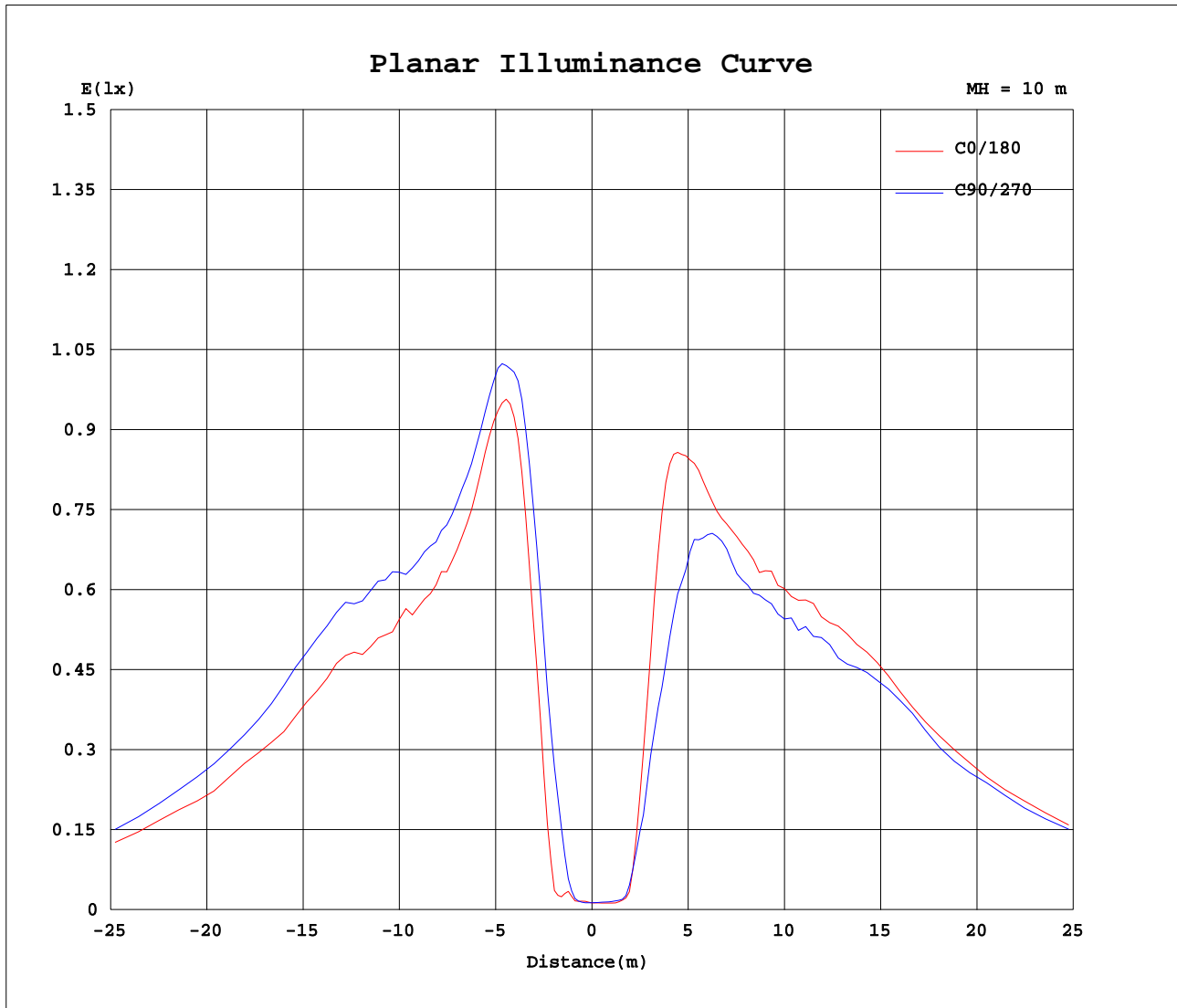
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: JZ
 Test Date: 2023-01-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity: 65.0%
 Test Distance: 8.450m [K=1.0000]
 Remarks:

Planar Illuminance Curve



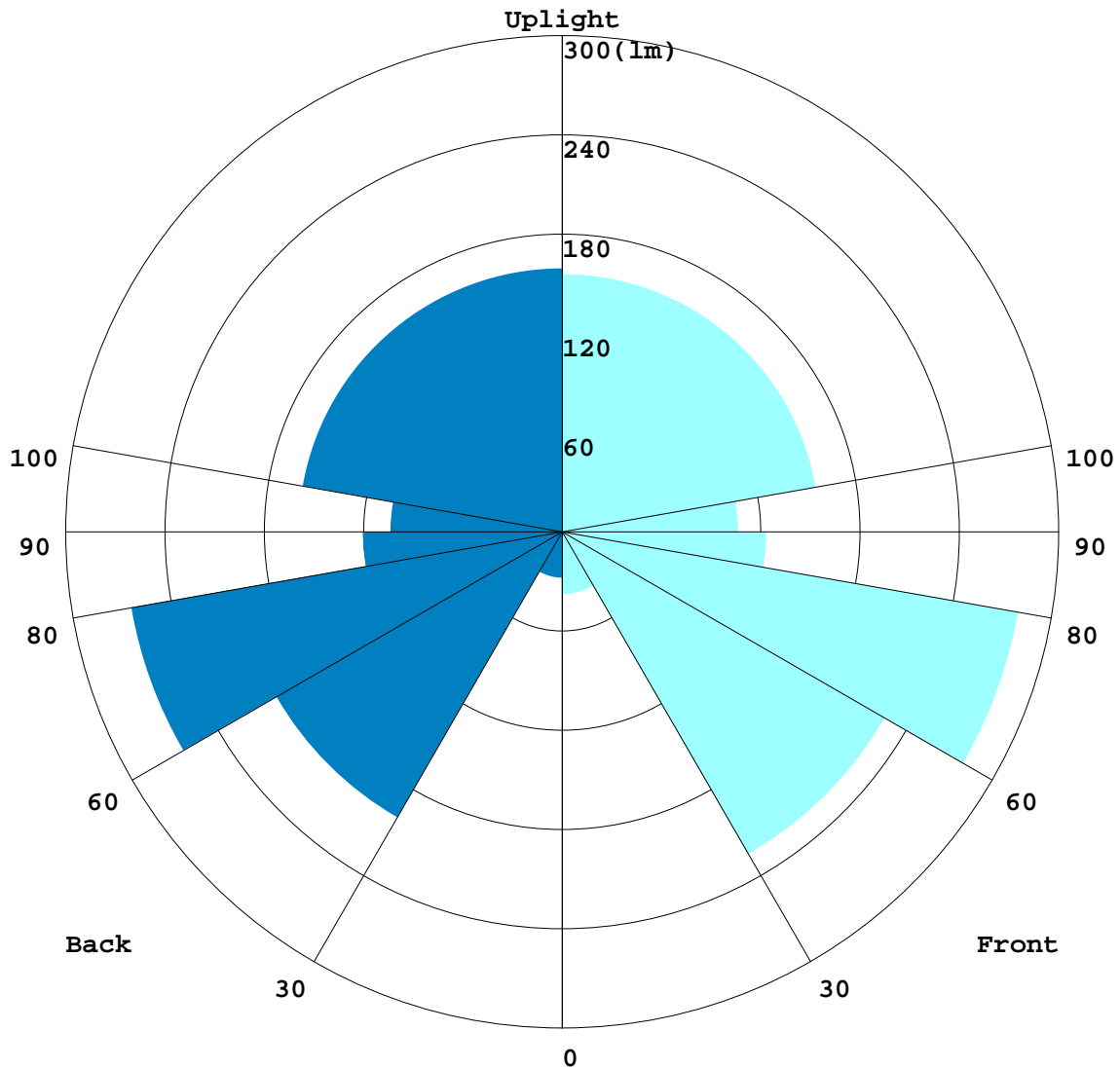
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: JZ
 Test Date: 2023-01-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity: 65.0%
 Test Distance: 8.450m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:119.89V I:0.1921A P:22.872W PF:0.9930 Freq:59.98Hz Lamp Flux:1803.27x1 lm		
NAME: 24W 4K G5 圆形格栅款草坪灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.03*1	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JZ
 Test Date:2023-01-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:8.450m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:119.89V I:0.1921A P:22.872W PF:0.9930 Freq:59.98Hz Lamp Flux:1803.27x1 lm		
NAME: 24W 4K G5 圆形格栅款草坪灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.03*1	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	37.891	2.1
FM - Front-Medium(30-60)	224.99	12.5
FH - Front-High(60-80)	279.86	15.5
FVH - Front-Very High(80-90)	123.35	6.8
Total Forward Light	928.2	51.5

BL - Back-Low(0-30)	27.926	1.5
BM - Back-Medium(30-60)	199.42	11.1
BH - Back-High(60-80)	264.38	14.7
BVH - Back-Very High(80-90)	120.41	6.7
Total Back Light	875.07	48.5

UL - Uplight-Low(90-100)	210.11	11.7
UH - Uplight-High(100-180)	314.93	17.5
Total Up Light	525.03	29.1

BUG(Back,Up,Glare) Rating	B1-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	612.14	262.93	875.07
Street Side	666.09	262.1	928.2

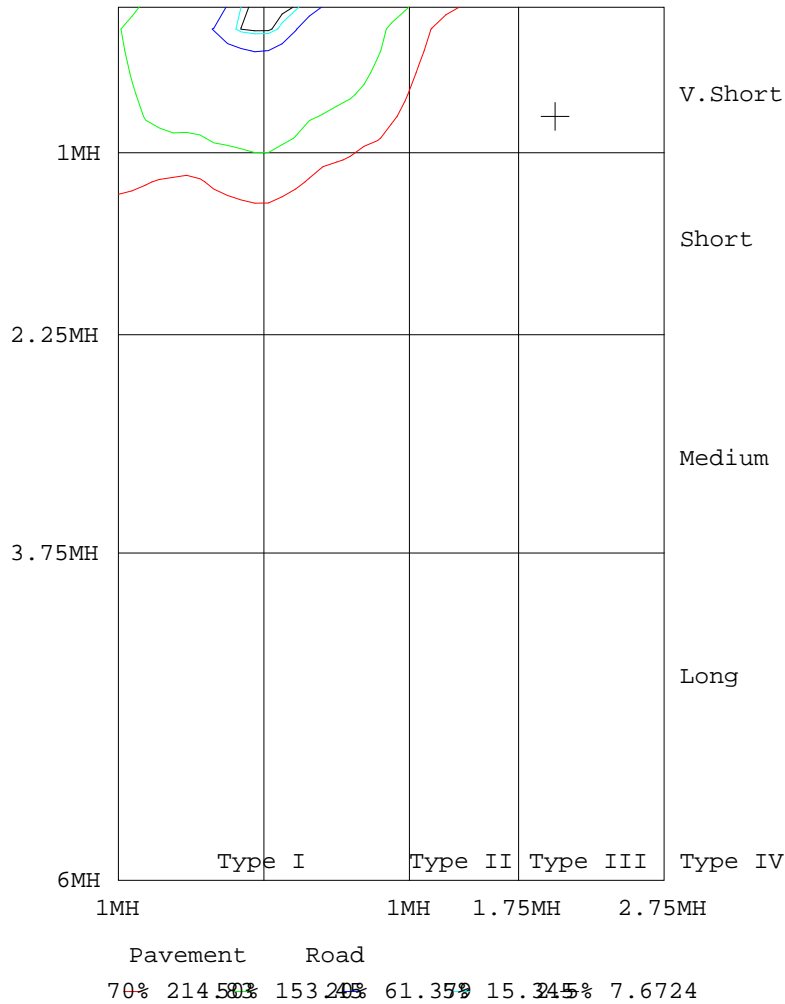
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JZ
 Test Date:2023-01-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:8.450m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:119.89V I:0.1921A P:22.872W PF:0.9930 Freq:59.98Hz Lamp Flux:1803.27x1 lm		
NAME: 24W 4K G5 圆形格栅款草坪灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.03*1	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JZ
 Test Date:2023-01-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:8.450m [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	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34			
5	1.77	1.88	1.99	2.02	2.19	1.80	1.49	1.27	1.34	1.30	1.38	1.36	1.51	1.64	1.66	1.73			
10	2.98	7.77	16.9	19.3	22.5	19.1	11.5	2.80	2.44	2.14	1.94	2.00	2.85	4.36	3.04	2.62			
15	42.1	49.1	58.9	61.5	67.7	60.2	51.5	43.0	34.8	24.8	21.3	16.2	20.3	22.4	18.5	29.7			
20	105	100	101	108	118	116	101	90.1	94.8	90.3	74.2	56.6	51.5	58.7	54.7	82.1			
25	135	123	128	125	141	139	116	115	121	129	115	96.8	84.6	74.7	81.2	109			
30	133	129	138	126	142	142	116	131	131	136	138	120	110	93.7	89.4	115			
35	130	136	139	129	142	141	119	133	139	131	137	120	126	113	90.8	117			
40	139	156	152	151	155	149	133	142	154	132	144	128	135	133	102	131			
45	163	183	184	181	183	172	168	158	180	143	162	151	158	155	124	153			
50	190	221	213	231	223	210	204	192	219	169	201	182	197	197	147	191			
55	230	276	270	268	276	259	246	240	270	208	249	218	242	242	170	228			
60	249	299	290	299	292	272	270	258	298	219	281	232	276	271	197	238			
65	263	310	300	308	306	288	282	273	316	235	291	250	292	288	216	253			
70	251	292	279	290	285	270	272	260	311	233	285	249	285	284	217	249			
75	243	275	268	275	274	261	255	252	293	227	274	233	272	269	208	245			
80	234	260	252	254	257	250	237	234	275	219	255	222	251	249	201	237			
85	209	226	221	225	228	226	217	221	256	208	237	210	239	236	188	211			
90	200	214	216	209	213	210	196	203	232	195	218	196	216	211	173	193			
95	186	220	220	212	193	209	201	200	203	190	209	190	189	212	180	202			
100	156	158	163	157	159	164	153	161	173	160	170	157	162	165	145	149			
105	137	138	143	138	140	144	133	140	150	140	145	137	142	144	128	130			
110	104	116	120	116	106	122	113	120	119	121	125	118	114	123	109	109			
115	78.4	93.7	96.8	93.4	79.8	97.8	91.6	96.5	89.5	97.5	103	97.7	86.4	99.6	88.5	88.0			
120	50.1	70.6	74.8	69.4	50.4	72.4	71.0	72.9	58.2	72.2	81.6	75.5	58.4	73.8	69.0	64.9			
125	32.9	50.9	55.3	49.9	32.9	51.8	52.3	52.9	38.6	52.2	61.6	55.7	38.8	52.2	51.3	46.9			
130	21.1	35.8	39.0	34.8	19.7	35.9	36.6	36.1	21.8	36.0	44.4	39.8	22.7	36.4	36.5	33.0			
135	13.5	24.7	27.1	23.2	12.2	23.8	25.1	23.9	13.3	24.1	31.7	27.3	14.5	23.6	25.5	22.6			
140	11.6	18.4	20.5	16.7	9.99	17.3	18.6	16.9	9.95	17.1	23.2	19.8	10.3	16.6	18.9	16.7			
145	9.36	14.3	17.1	13.1	8.66	13.6	15.5	13.3	8.56	13.3	18.7	15.7	8.26	12.8	15.4	13.0			
150	7.23	11.7	14.9	10.5	6.30	11.0	13.3	10.9	7.08	11.1	16.4	13.2	6.95	10.2	13.2	10.6			
155	5.99	9.26	12.1	8.30	4.93	8.60	10.8	8.68	6.06	9.27	14.1	11.1	5.74	8.17	11.3	8.85			
160	5.35	6.71	7.89	5.99	4.18	6.24	7.42	6.49	5.50	7.36	10.5	8.30	4.67	6.20	8.41	6.93			
165	4.31	4.21	4.21	3.78	3.16	3.90	4.26	4.21	4.57	5.42	6.68	5.95	4.28	5.04	5.23	4.76			
170	2.89	2.48	2.16	2.12	1.94	2.08	2.17	2.49	2.82	3.23	3.98	3.86	3.84	3.46	3.19	3.01			
175	1.26	0.98	1.00	0.93	0.96	1.08	1.16	1.46	1.35	1.63	2.11	2.46	2.35	2.02	1.60	1.73			
180	0.50	0.49	0.58	0.72	0.76	0.87	0.83	1.02	0.50	0.52	0.59	0.74	0.79	0.89	0.83	1.06			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: JZ
 Test Date: 2023-01-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity: 65.0%
 Test Distance: 8.450m [K=1.0000]
 Remarks: