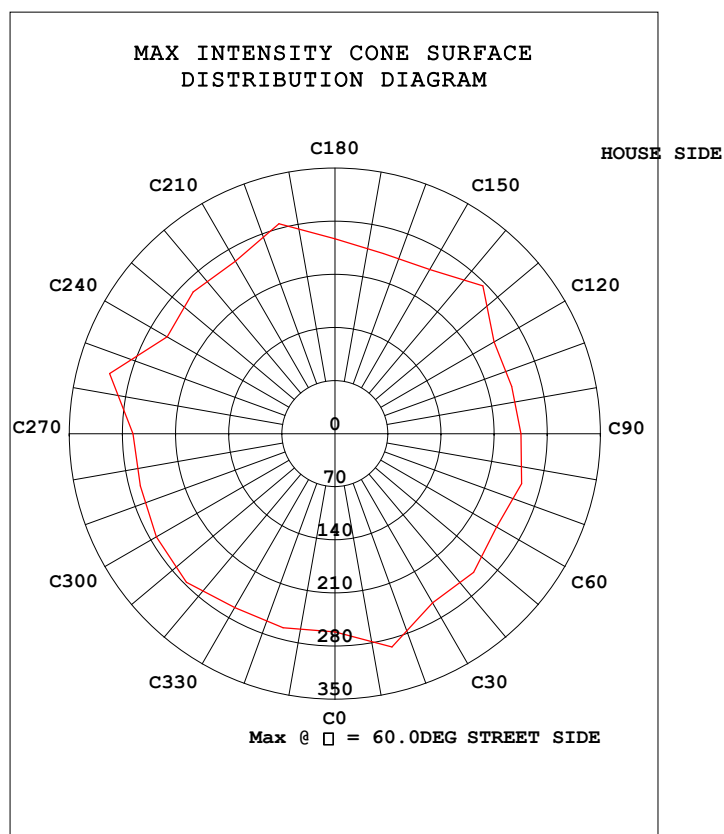
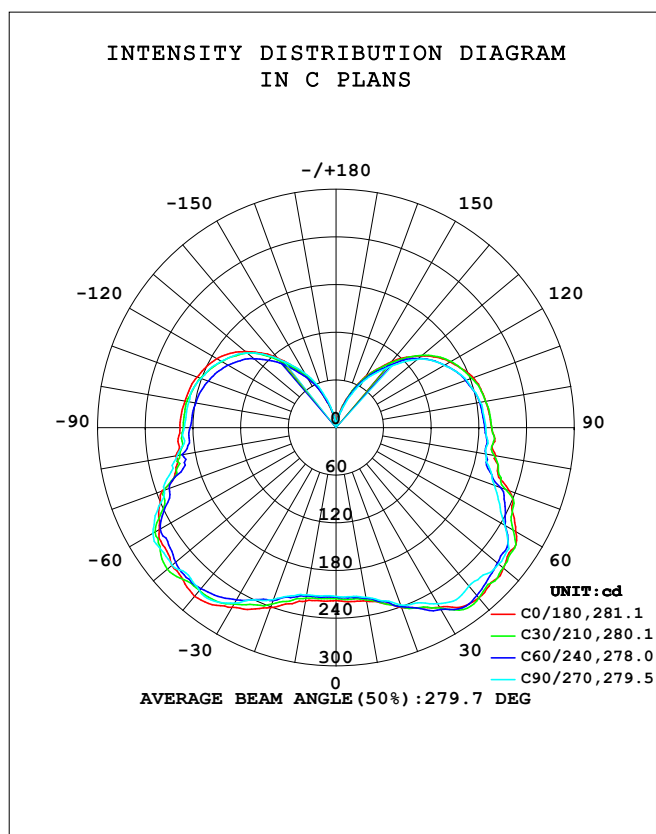


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.9V I:0.1418A P:17.01W PF:0.9917 Lamp Flux:2449.14x1 lm		
NAME:ASD-LED-CRB-18N50-E26	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.99 lm/W			
MODEL ASD-LED-CRB-18N50-E26		Imax(cd)	307.4	□ street_up(%)	20.7
NOMINAL POWER(W)	18	LOR(%)	100.0	□ street_down(%)	33.6
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2449	□ house_up(%)	17.5
NOMINAL FLUX(lm)	2449.14	MAXIMUM @ (C, □)	255,60.0	□ house_down(%)	28.2
LAMPS INSIDE	1	□ up(%)	38.2	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	120	□ down(%)	61.8	SLI	17.770

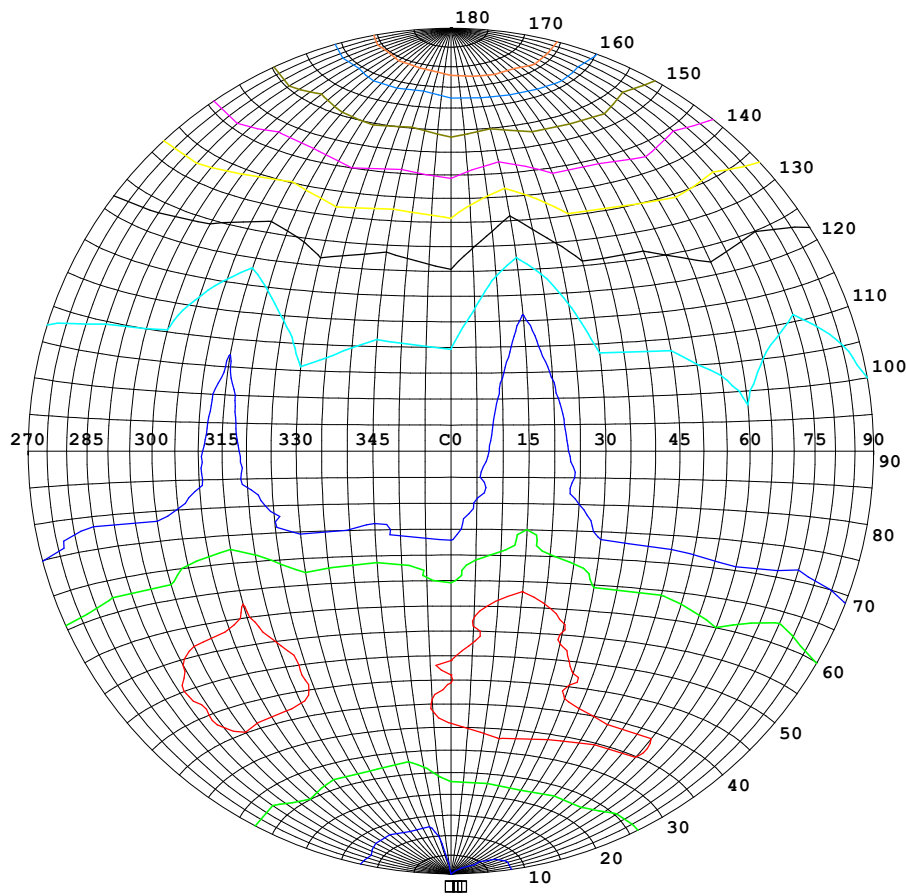


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-05-12

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity: 65.0%
 Test Distance: 7.450m [K=1.0000]
 Remarks:

Note: SLI: Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

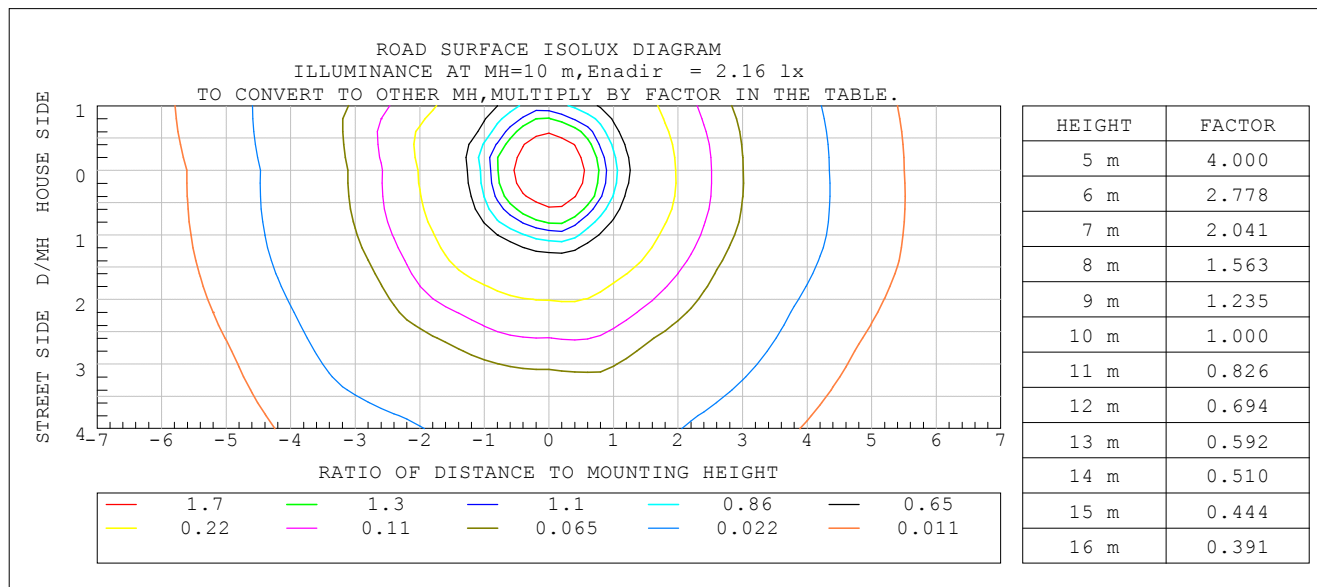
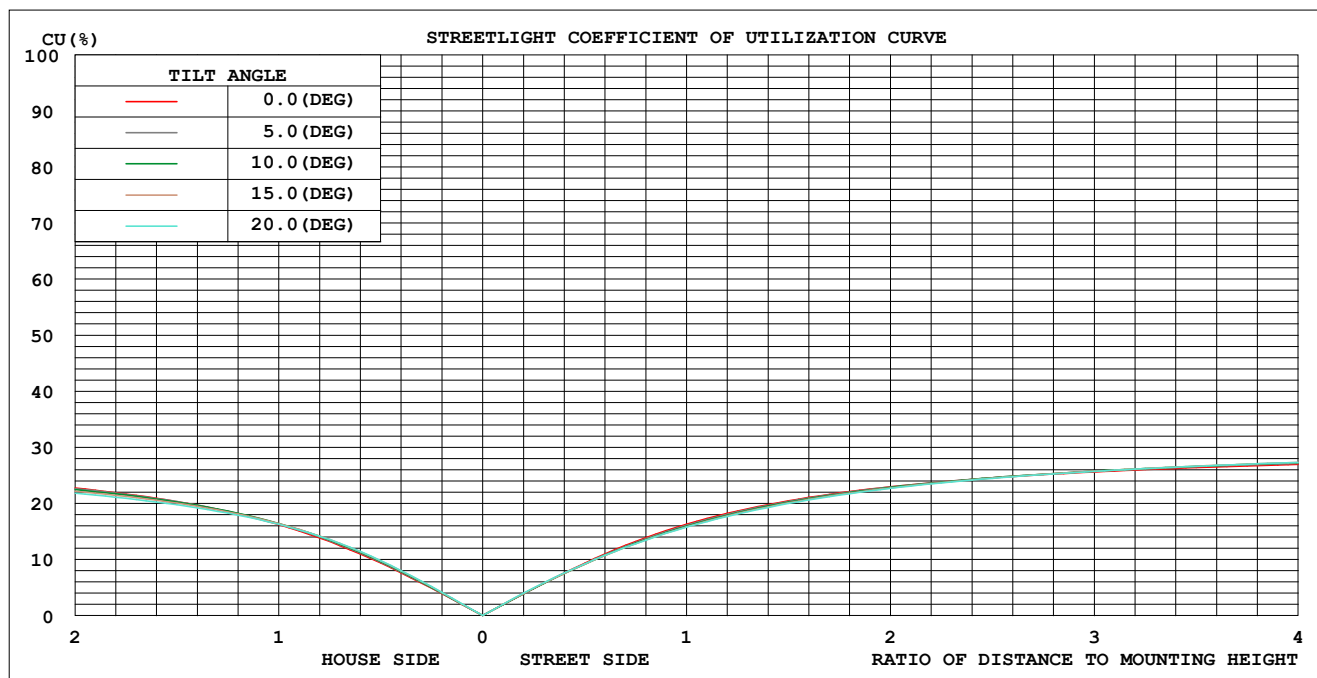
IES:Type VS - Very Short
CIE:Broad - Intermediate
IES:None cut-off
CIE:Non-cut-off
Max.At80:102.1cd/klm
Max.At90:96.09cd/klm
Max.80-90:102.1cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	307
90%	277
80%	246
70%	215
60%	184
50%	154
40%	123
30%	92
20%	61
10%	31
5%	15

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-05-12

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-05-12

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.350
Humidity: 65.0%
Test Distance: 7.450m [K=1.0000]
Remarks:

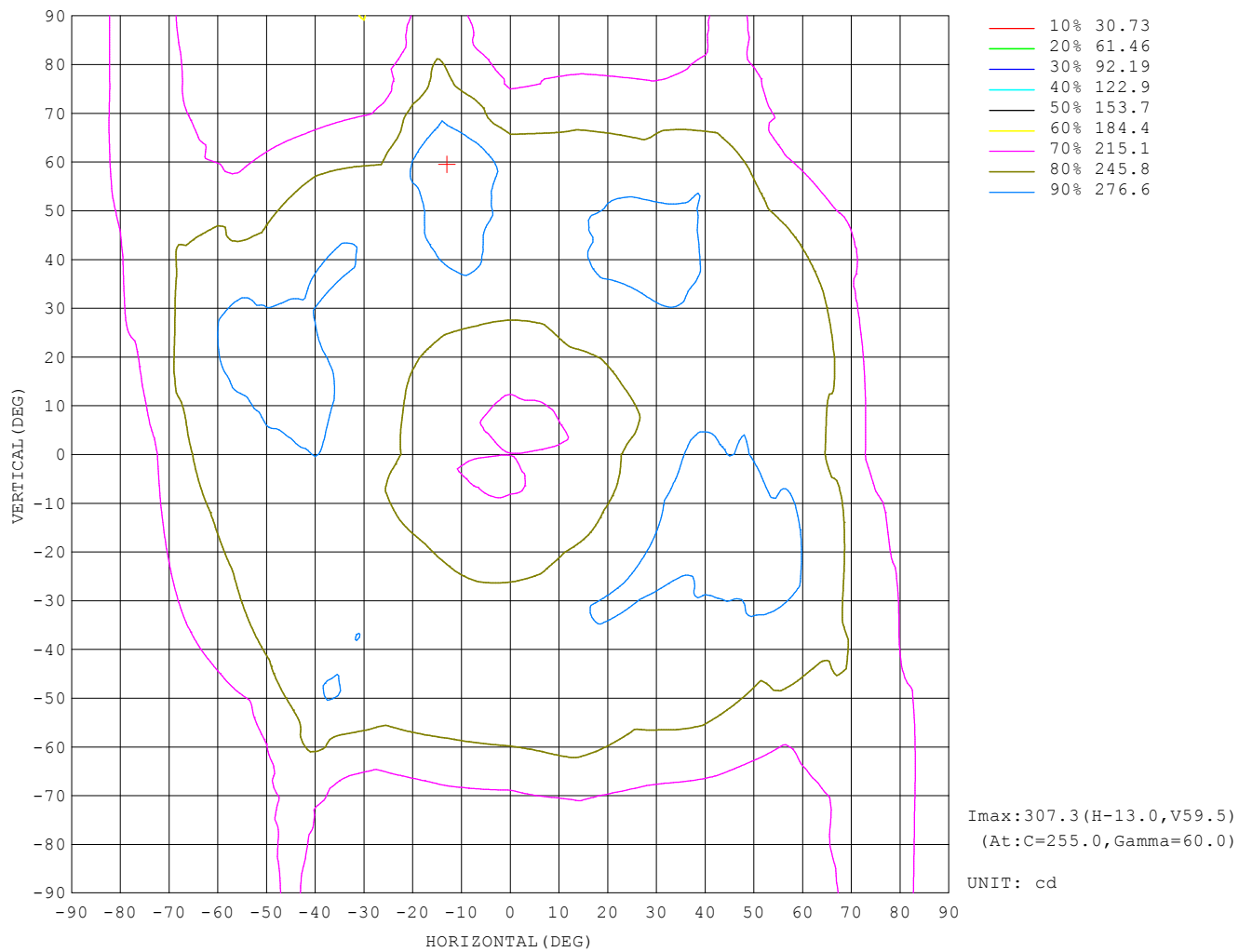
ZONAL FLUX DIAGRAM

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	221.6	219.6	216.9	215.3	221.8	216.2	213.5	213.2	0- 10	20.49	20.49	0.84,0.84
20	241.0	240.1	237.6	234.6	241.3	233.9	230.3	228.1	10- 20	63.88	84.37	3.45,3.45
30	261.1	261.6	256.2	257.5	261.0	256.6	255.2	253.3	20- 30	113.9	198.3	8.1,8.1
40	279.6	274.9	260.4	269.2	277.2	266.9	267.6	270.9	30- 40	167.3	365.6	14.9,14.9
50	275.1	271.6	267.2	275.2	269.8	278.3	269.5	288.6	40- 50	211.0	576.6	23.5,23.5
60	261.1	258.7	245.2	275.9	256.9	264.6	266.3	277.2	50- 60	241.6	818.2	33.4,33.4
70	232.0	227.1	212.1	235.2	232.9	222.7	229.8	262.2	60- 70	245.3	1064	43.4,43.4
80	204.2	199.4	191.8	223.4	204.9	201.3	202.9	231.7	70- 80	228.8	1292	52.8,52.8
90	196.0	195.6	188.5	219.5	196.5	194.3	191.2	222.3	80- 90	220.9	1513	61.8,61.8
100	191.1	191.1	184.4	213.9	193.0	191.3	188.2	219.7	90-100	216.2	1729	70.6,70.6
110	184.0	181.9	175.0	202.7	186.3	182.8	181.1	210.2	100-110	203.5	1933	78.9,78.9
120	166.0	166.5	157.5	181.6	173.4	168.2	166.9	192.0	110-120	178.8	2112	86.2,86.2
130	140.9	143.4	134.0	148.9	149.1	149.0	146.3	161.3	120-130	144.0	2256	92.1,92.1
140	108.3	104.8	97.44	109.6	114.5	111.2	112.7	123.7	130-140	100.7	2356	96.2,96.2
150	73.95	73.30	65.68	69.92	75.45	76.28	79.38	81.90	140-150	58.43	2415	98.6,98.6
160	38.25	35.81	29.99	32.51	37.17	40.03	44.03	42.99	150-160	26.72	2442	99.7,99.7
170	11.38	8.674	6.930	7.356	11.46	11.36	13.75	13.47	160-170	6.923	2449	100,100
180	3.434	3.401	3.340	3.310	3.461	3.381	3.347	3.310	170-180	0.6224	2449	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-05-12

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:65.0%
 Test Distance:7.450m [K=1.0000]
 Remarks:

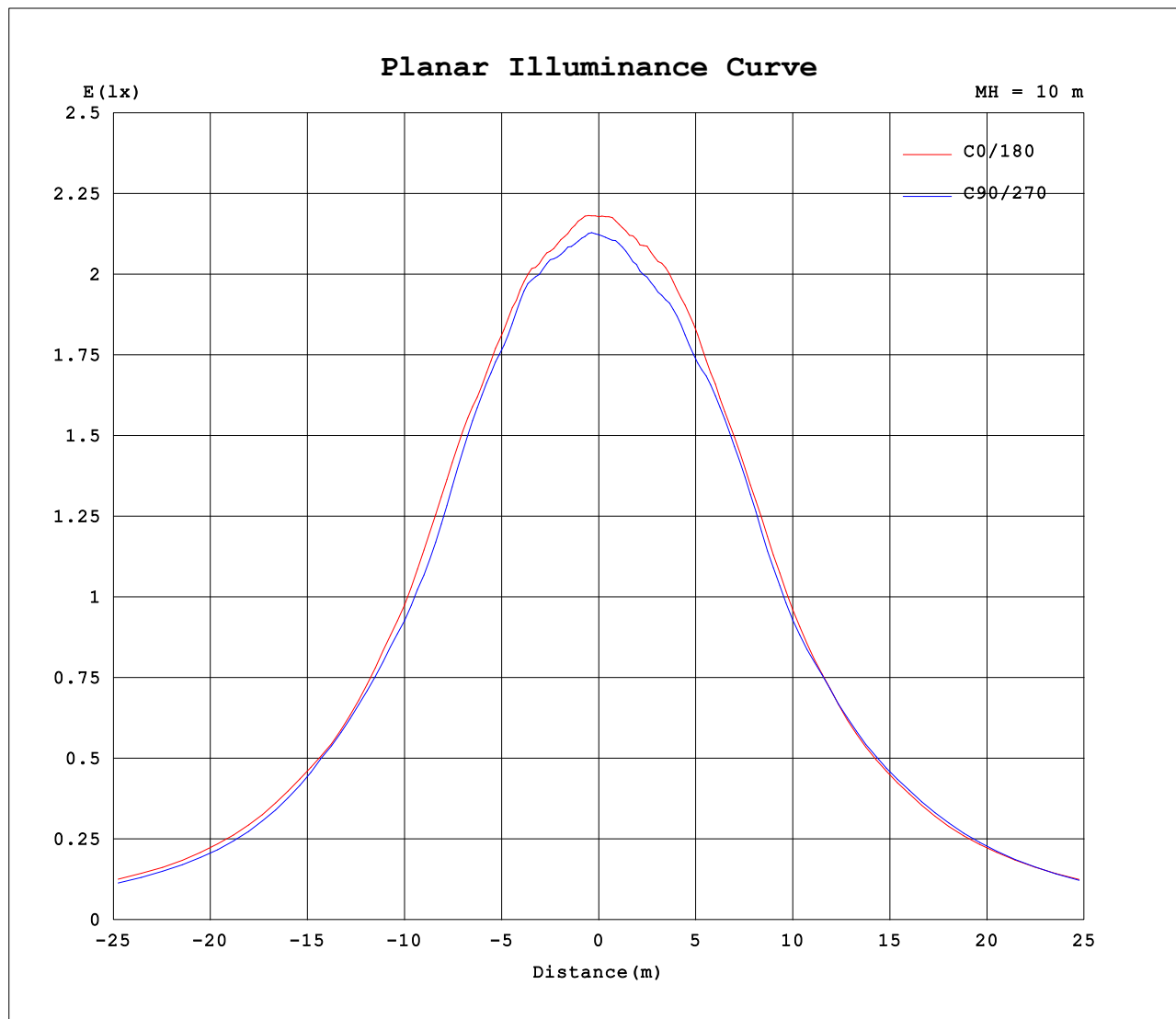
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-05-12

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

Planar Illuminance Curve



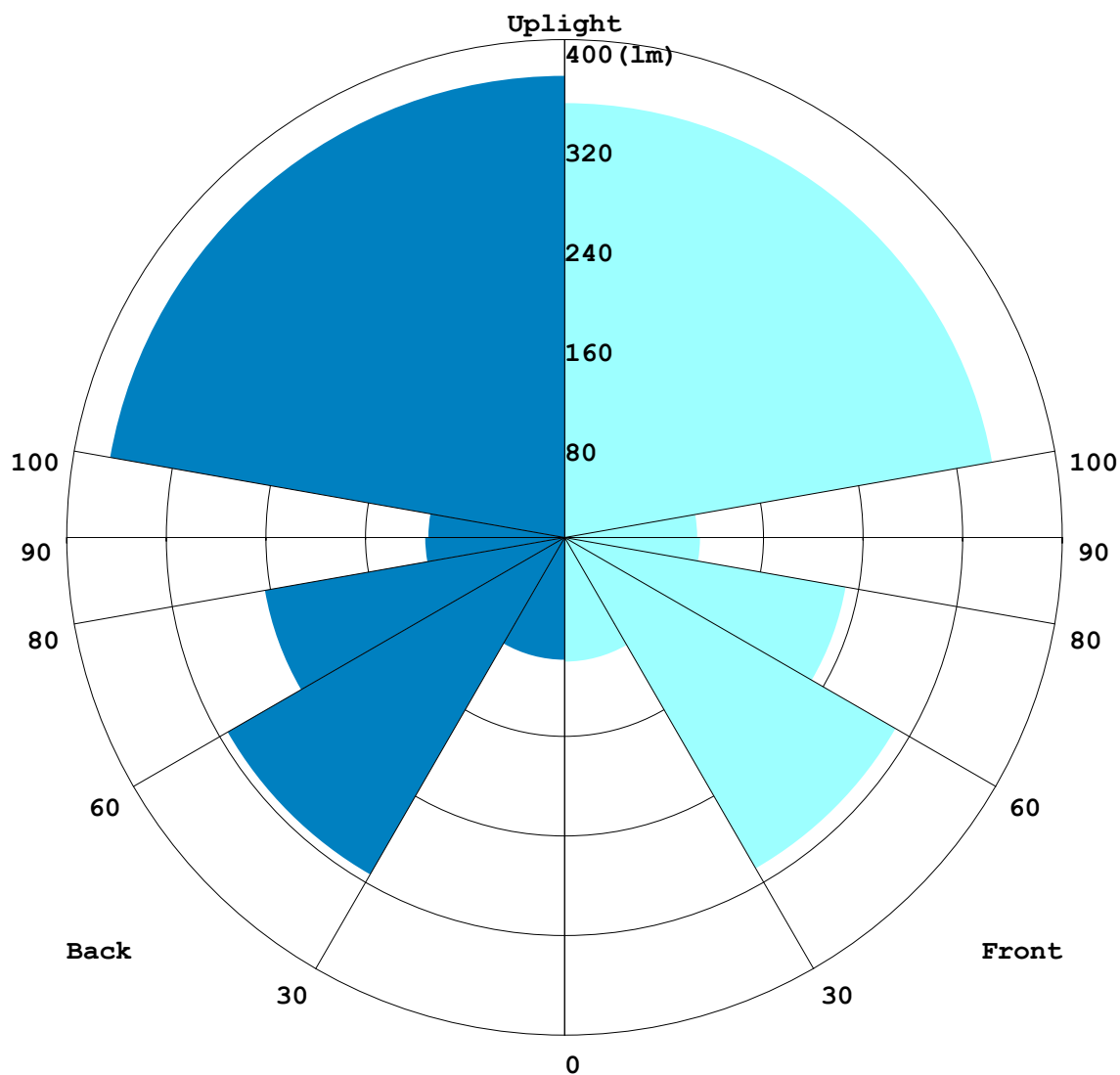
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-05-12

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.350
Humidity: 65.0%
Test Distance: 7.450m [K=1.0000]
Remarks:

LCS REPORT

Test:U:120.9V I:0.1418A P:17.01W PF:0.9917 Lamp Flux:2449.14x1 lm		
NAME: ASD-LED-CRB-18N50-E26	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:ASD Lighting Corp	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-05-12

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

BUG REPORT

Test:U:120.9V I:0.1418A P:17.01W PF:0.9917 Lamp Flux:2449.14x1 lm		
NAME: ASD-LED-CRB-18N50-E26	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:ASD Lighting Corp	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	99.841	4.1
FM - Front-Medium(30-60)	307.17	12.5
FH - Front-High(60-80)	229.5	9.4
FVH - Front-Very High(80-90)	108.83	4.4
Total Forward Light	1200.9	49.0

BL - Back-Low(0-30)	98.431	4.0
BM - Back-Medium(30-60)	312.81	12.8
BH - Back-High(60-80)	244.63	10.0
BVH - Back-Very High(80-90)	112.05	4.6
Total Back Light	1248.2	51.0

UL - Uplight-Low(90-100)	216.16	8.8
UH - Uplight-High(100-180)	719.72	29.4
Total Up Light	935.89	38.2

BUG(Back,Up,Glare) Rating	B1-U4-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	767.92	480.3	1248.2
Street Side	745.34	455.59	1200.9

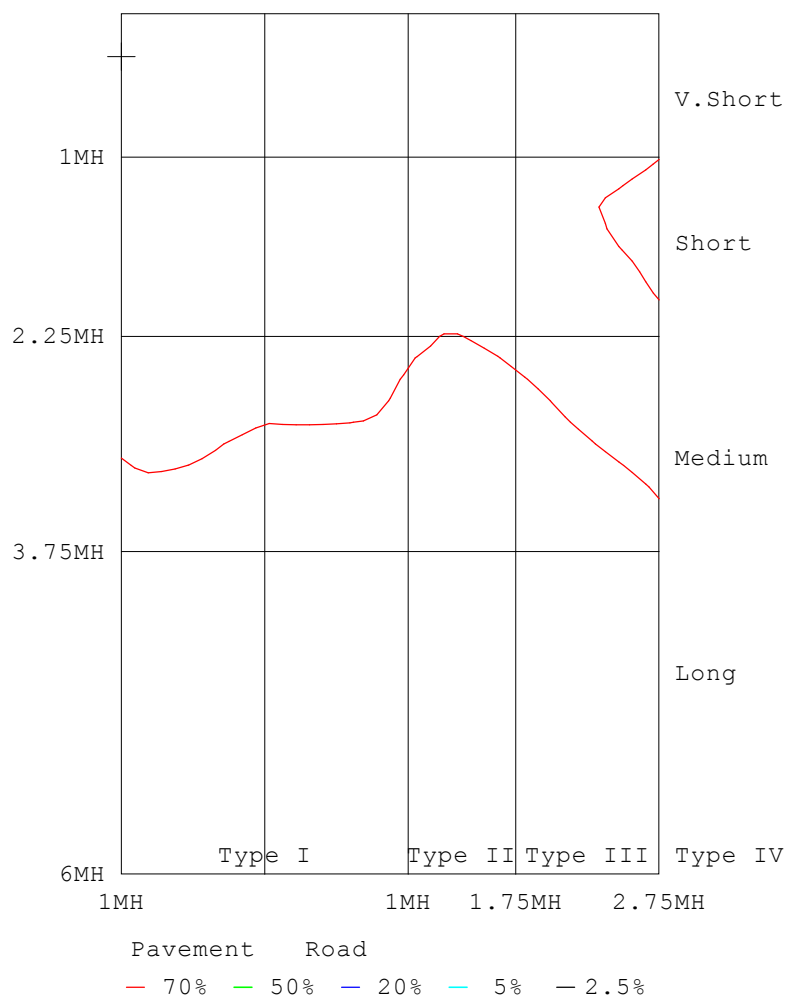
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-05-12

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:65.0%
 Test Distance:7.450m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:120.9V I:0.1418A P:17.01W PF:0.9917 Lamp Flux:2449.14x1 lm		
NAME: ASD-LED-CRB-18N50-E26	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-05-12

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity: 65.0%
 Test Distance: 7.450m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C (DEG) □ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	218	217	215	214	213	212	212	211	210	211	210	209	218	217	215	214	213	212	212
5	220	218	217	216	215	213	214	212	212	212	211	210	219	219	216	215	214	213	213
10	222	221	220	220	218	217	217	216	216	215	215	214	222	220	218	216	215	214	213
15	229	228	229	228	227	226	226	224	223	223	224	222	230	228	226	222	222	219	219
20	241	240	240	240	240	237	238	236	233	235	235	235	241	240	236	234	232	229	230
25	250	252	250	248	251	245	243	242	244	245	243	241	252	251	246	242	239	238	239
30	261	269	262	262	264	255	256	254	252	257	255	255	261	262	256	257	250	256	255
35	275	280	280	277	277	261	264	261	257	263	262	265	272	270	266	265	259	270	267
40	280	294	280	275	276	265	260	258	259	269	260	262	277	285	268	267	265	282	268
45	276	300	276	266	270	268	262	259	258	275	260	259	272	294	271	271	267	289	263
50	275	293	274	272	265	265	267	264	259	275	261	259	270	291	277	278	264	292	270
55	269	286	271	269	263	258	266	263	261	277	256	256	263	287	270	272	257	296	268
60	261	291	257	259	246	255	245	241	242	276	250	246	257	286	263	265	256	307	266
65	244	270	245	243	235	235	227	223	225	253	228	233	246	268	240	248	238	295	248
70	232	259	227	227	220	221	212	213	204	235	208	217	233	263	230	223	224	274	230
75	210	246	211	206	198	207	200	198	193	227	198	208	209	242	208	207	199	258	215
80	204	241	202	199	192	203	192	191	190	223	195	195	205	236	200	201	197	250	203
85	201	239	199	199	191	203	192	190	188	221	191	191	200	234	195	197	186	237	192
90	196	235	196	196	187	200	188	188	186	219	189	190	196	232	192	194	184	232	191
95	194	233	194	194	185	199	187	187	184	218	188	188	196	232	192	193	182	230	190
100	191	231	191	191	184	195	184	184	181	214	185	186	193	230	191	191	179	227	188
105	188	227	188	187	179	194	180	180	178	209	181	182	191	226	187	188	177	224	187
110	184	222	182	182	174	186	175	174	171	203	176	177	186	219	182	183	171	222	181
115	175	217	175	174	167	179	167	167	165	192	169	170	181	212	175	176	166	214	175
120	166	207	167	166	158	167	158	158	157	182	161	161	173	201	167	168	158	205	167
125	155	194	156	156	148	153	148	148	147	167	151	152	163	186	157	159	147	191	158
130	141	175	142	143	136	141	134	134	132	149	137	138	149	168	146	149	135	172	146
135	125	158	125	124	121	126	116	114	115	131	118	120	133	149	130	132	120	152	131
140	108	133	106	105	101	108	97.4	96.1	97.7	110	98.6	102	115	129	109	111	105	133	113
145	89.7	105	88.5	88.9	85.1	89.7	81.8	80.7	82.2	89.5	82.4	84.6	94.2	104	91.0	92.3	86.8	110	95.2
150	74.0	81.4	71.7	73.3	68.5	74.4	65.7	65.7	64.7	69.9	66.9	69.5	75.4	83.7	75.1	76.3	71.8	87.7	79.4
155	55.4	60.6	54.3	51.7	50.9	54.5	47.1	46.0	47.8	50.1	47.3	49.6	58.2	63.7	58.8	59.0	55.9	68.5	62.3
160	38.2	37.6	35.9	35.8	33.6	34.9	30.0	30.0	31.2	32.5	31.7	32.6	37.2	41.7	39.8	40.0	37.8	47.1	44.0
165	22.7	21.0	19.9	20.1	18.3	18.1	16.5	15.7	16.4	17.6	17.0	18.1	23.0	24.6	23.9	25.1	24.5	29.4	27.4
170	11.4	10.3	9.16	8.67	7.98	7.65	6.93	7.19	7.12	7.36	7.91	8.22	11.5	11.7	12.4	11.4	12.9	13.9	13.7
175	4.36	4.30	3.95	3.65	3.38	3.35	3.29	3.28	3.28	3.27	3.28	3.39	4.27	4.47	4.88	5.02	5.36	5.62	5.93
180	3.43	3.43	3.40	3.40	3.36	3.36	3.34	3.34	3.32	3.31	3.31	3.31	3.46	3.42	3.42	3.38	3.37	3.35	3.35

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-05-12

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity: 65.0%
 Test Distance: 7.450m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

C (DEG) □ (DEG)	285	300	315	330	345													
0	211	210	211	210	209													
5	212	211	212	211	211													
10	214	213	213	213	213													
15	220	219	218	220	218													
20	231	230	228	230	229													
25	241	246	240	242	241													
30	253	259	253	251	254													
35	266	268	259	261	267													
40	272	276	271	271	271													
45	269	283	287	269	269													
50	273	281	289	267	272													
55	271	279	281	266	268													
60	266	272	277	265	265													
65	249	252	272	253	251													
70	241	241	262	233	236													
75	222	218	235	213	216													
80	207	208	232	202	204													
85	196	198	222	195	198													
90	196	196	222	192	197													
95	193	194	221	190	195													
100	192	192	220	188	194													
105	189	190	216	185	191													
110	184	185	210	180	186													
115	178	180	202	173	179													
120	171	172	192	166	171													
125	161	163	178	157	162													
130	149	152	161	147	150													
135	134	137	144	129	133													
140	113	119	124	111	113													
145	95.1	102	102	92.3	94.7													
150	79.5	86.9	81.9	77.2	79.1													
155	63.1	69.3	63.9	59.9	62.4													
160	43.4	48.2	43.0	41.6	42.2													
165	27.9	29.2	26.6	26.5	25.5													
170	13.9	14.8	13.5	13.4	13.1													
175	5.88	6.09	5.86	5.73	5.42													
180	3.33	3.32	3.31	3.31	3.31													

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-05-12

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity: 65.0%
 Test Distance: 7.450m [K=1.0000]
 Remarks: