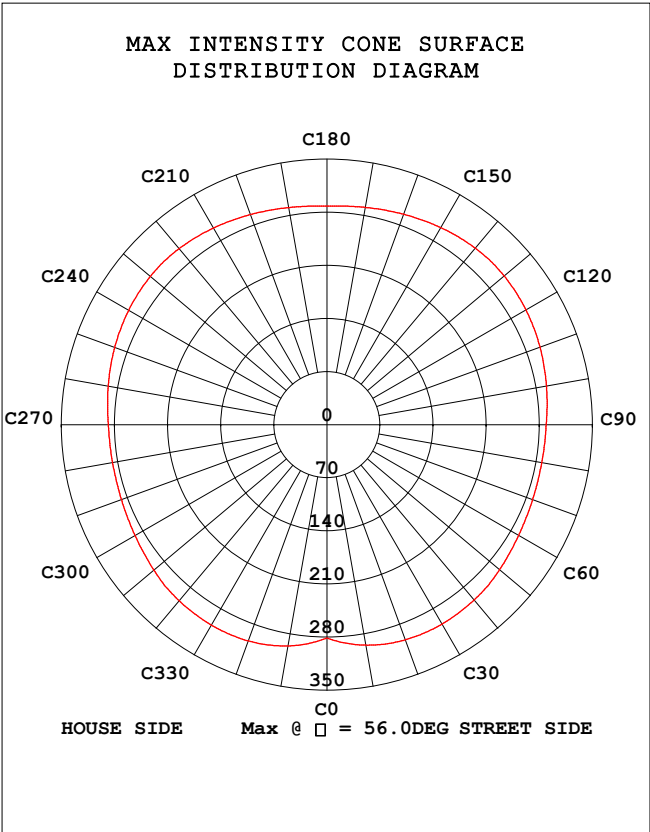
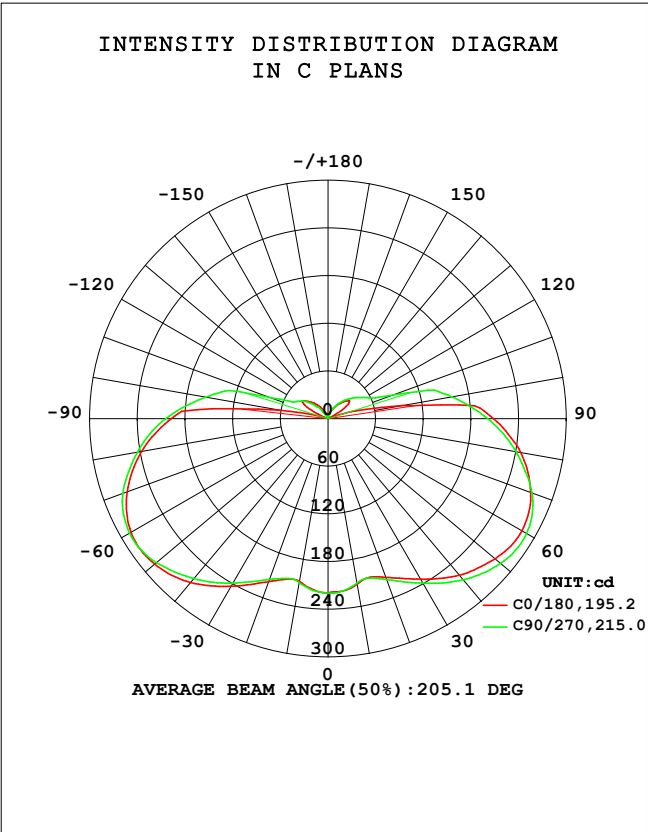


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.2V I:0.1698A P:20.21W PF:0.9902 Freq:59.98Hz Lamp Flux:2148.1x1 lm					
NAME: ASD-VTJ-20RGCW			TYPE:		WEIGHT:
SPEC.:20W-5000K			DIM.:		SERIAL No.:
MFR.: ASD Lighting Corp.			SUR.:0.08*0.08		Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 106.30 lm/W
MODEL	ASD-VTJ-20RGCW	Imax(cd)	305.2	☐ street_up(%)	12.1	
NOMINAL POWER(W)	20	LOR(%)	100.0	☐ street_down(%)	38.2	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2148	☐ house_up(%)	11.2	
NOMINAL FLUX(lm)	2148.1	MAXIMUM @ (C, ☐)	135,56.0	☐ house_down(%)	38.4	
LAMPS INSIDE	1	☐ up(%)	23.4	76 FLASHAREA(m2)	0.05000	
TEST VOLTAGE(V)	120	☐ down(%)	76.6	SLI	20.385	

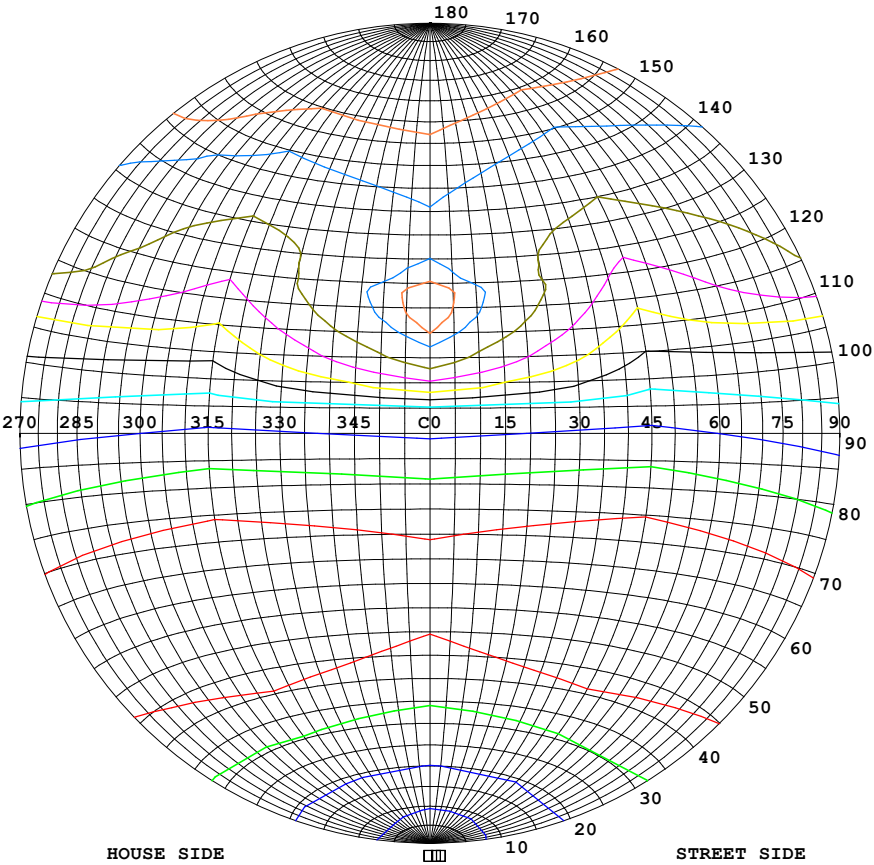


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-12-27

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
Humidity:56%
Test Distance:6.500m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:120.2V I:0.1698A P:20.21W PF:0.9902 Freq:59.98Hz Lamp Flux:2148.1x1 lm		
NAME: ASD-VTJ-20RGBCW	TYPE:	WEIGHT:
SPEC.:20W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.08*0.08	Shielding Angle:



Classification:

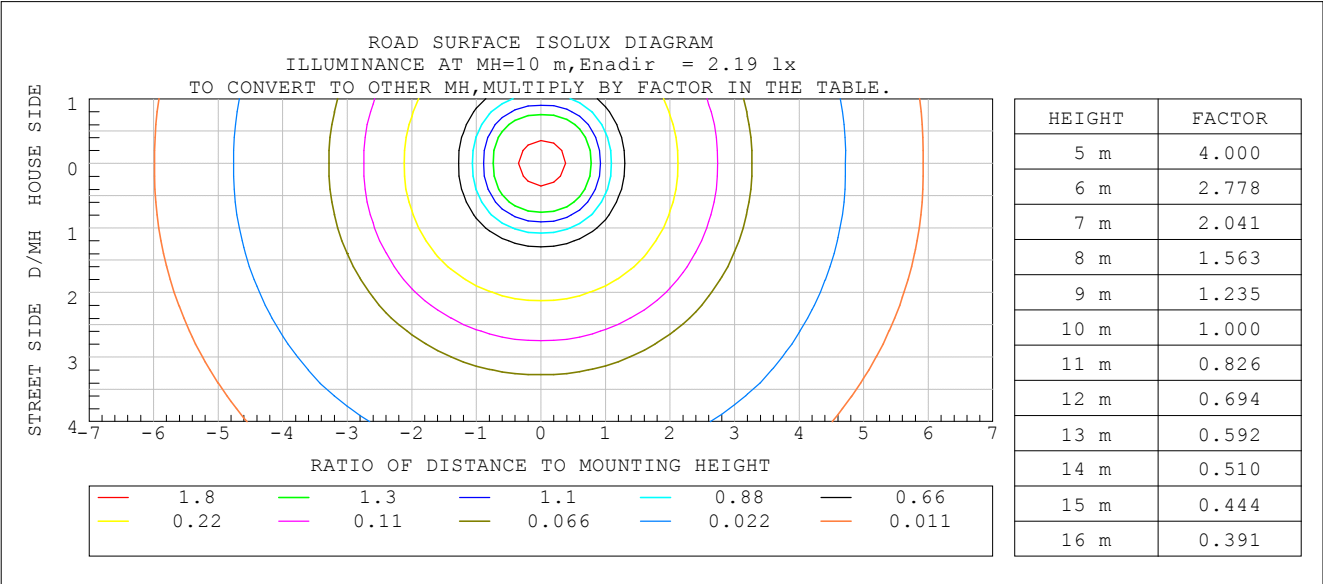
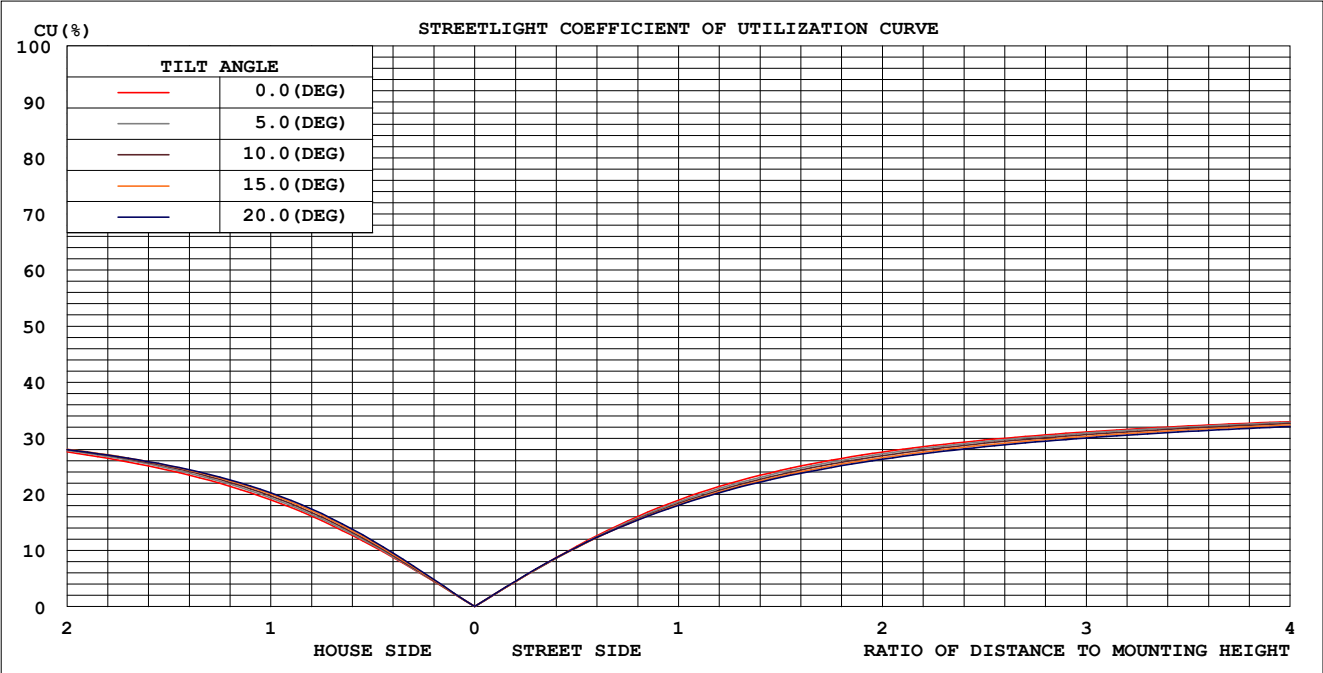
IES:Type VS - Short
CIE:Broad - Short
IES:None cut-off
CIE:Non-cut-off
Max.At80:120.0cd/klm
Max.At90:102.1cd/klm
Max.80-90:120.0cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	305
90%	275
80%	244
70%	214
60%	183
50%	153
40%	122
30%	92
20%	61
10%	31
5%	15

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-12-27

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
Humidity:56%
Test Distance:6.500m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 27DEG
Operators: lianghaizhu
Test Date: 2024-12-27

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.364
Humidity: 56%
Test Distance: 6.500m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.2V I:0.1698A P:20.21W PF:0.9902 Freq:59.98Hz Lamp Flux:2148.1x1 lm		
NAME: ASD-VTJ-20RGBCW	TYPE:	WEIGHT:
SPEC.:20W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.08*0.08	Shielding Angle:

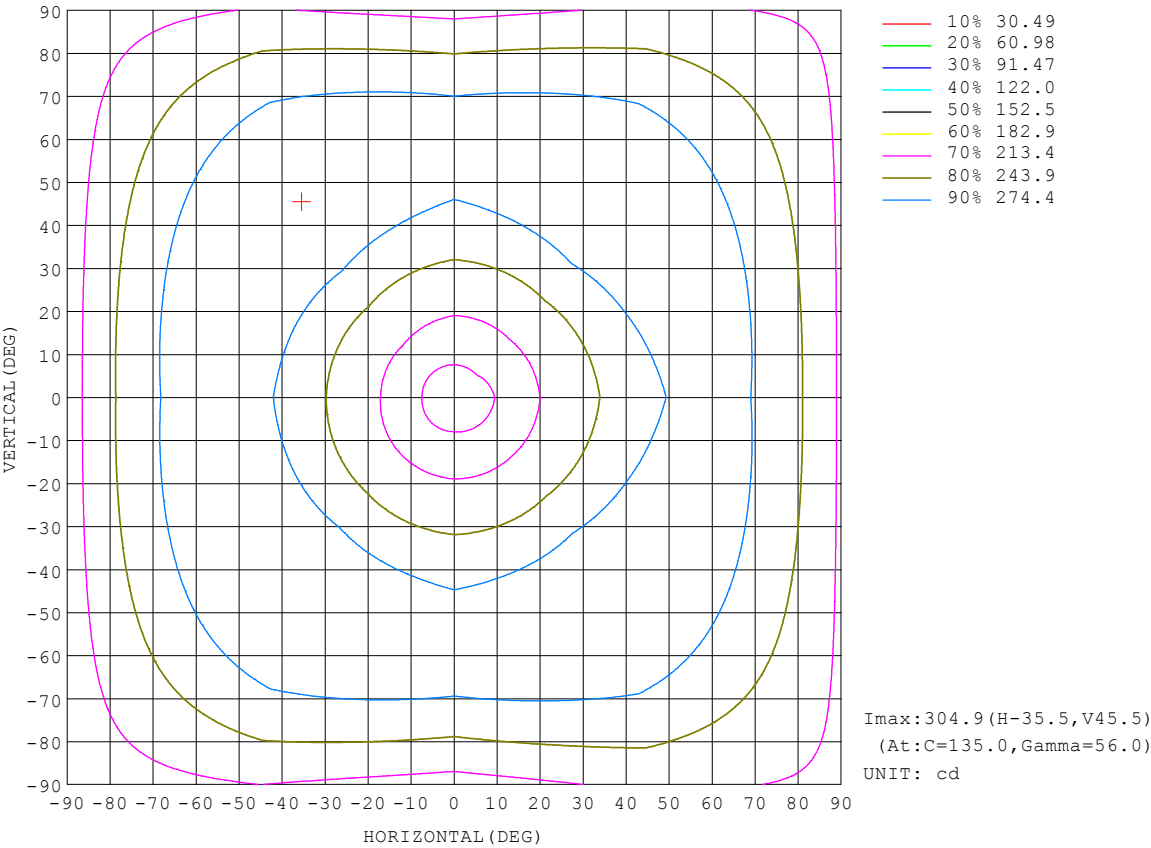
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	211.7	211.0	210.3	210.8	207.9	209.2	209.7	210.6	0- 10	20.50	20.50	0.95,0.95
20	212.6	214.8	215.7	218.5	218.2	219.4	215.5	217.1	10- 20	59.66	80.16	3.73,3.73
30	233.4	240.5	239.2	245.9	243.6	247.5	239.0	243.7	20- 30	106.1	186.2	8.67,8.67
40	257.4	271.1	264.9	277.3	269.2	278.8	262.7	274.2	30- 40	160.9	347.2	16.2,16.2
50	274.4	296.1	283.5	302.1	285.0	301.8	281.9	297.8	40- 50	217.9	565.0	26.3,26.3
60	281.9	299.3	288.7	303.3	286.3	302.4	288.4	300.3	50- 60	263.4	828.5	38.6,38.6
70	271.5	285.6	273.3	286.4	269.0	285.9	274.8	286.3	60- 70	285.7	1114	51.9,51.9
80	246.2	257.5	240.3	255.4	238.2	255.5	243.6	257.8	70- 80	280.3	1394	64.9,64.9
90	208.3	219.3	201.1	214.6	197.4	215.1	204.5	219.2	80- 90	251.2	1646	76.6,76.6
100	95.11	174.2	158.6	168.8	60.84	169.1	156.3	169.8	90-100	196.7	1842	85.8,85.8
110	14.66	133.0	87.34	128.1	3.251	127.8	79.76	123.7	100-110	122.2	1965	91.5,91.5
120	12.96	99.50	53.67	95.56	33.93	93.63	43.88	87.01	110-120	72.39	2037	94.8,94.8
130	35.69	72.34	40.48	69.49	34.17	65.71	31.77	64.09	120-130	53.14	2090	97.3,97.3
140	26.32	50.22	28.64	47.82	24.03	38.32	19.56	39.42	130-140	33.28	2123	98.8,98.8
150	16.90	30.79	17.86	28.42	13.44	13.60	4.040	22.72	140-150	16.27	2140	99.6,99.6
160	9.180	14.32	9.387	13.15	6.614	5.803	2.922	8.972	150-160	6.231	2146	99.9,99.9
170	5.117	6.133	5.071	5.154	3.413	3.228	3.046	4.207	160-170	1.844	2148	100,100
180	2.941	2.936	2.943	2.945	2.941	2.923	2.930	2.961	170-180	0.3586	2148	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-12-27

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
Humidity:56%
Test Distance:6.500m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

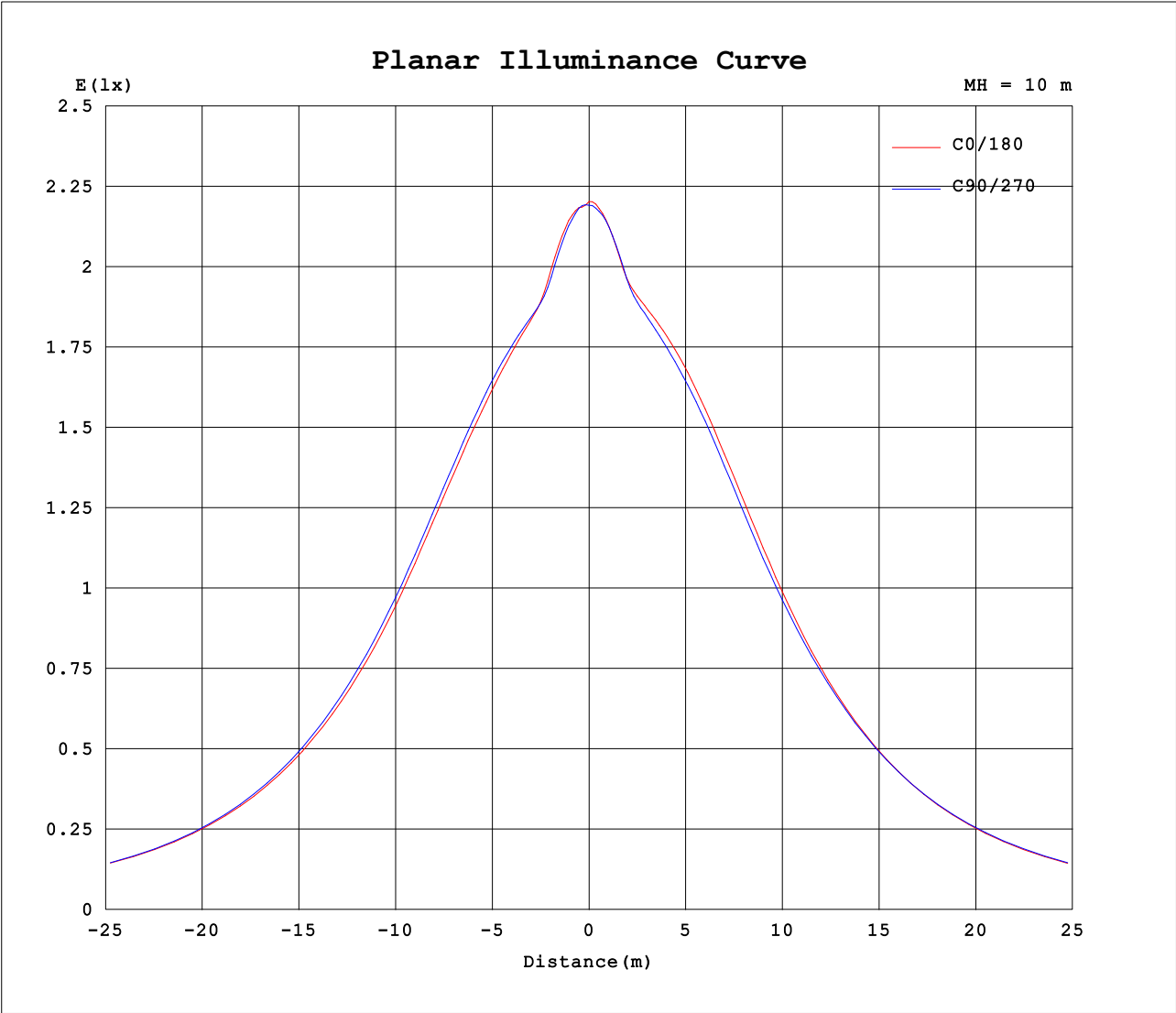
Test:U:120.2V I:0.1698A P:20.21W PF:0.9902 Freq:59.98Hz Lamp Flux:2148.1x1 lm		
NAME: ASD-VTJ-20RGBCW	TYPE:	WEIGHT:
SPEC.:20W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.08*0.08	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-12-27

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
Humidity:56%
Test Distance:6.500m [K=1.0000]
Remarks:

Planar Illuminance Curve



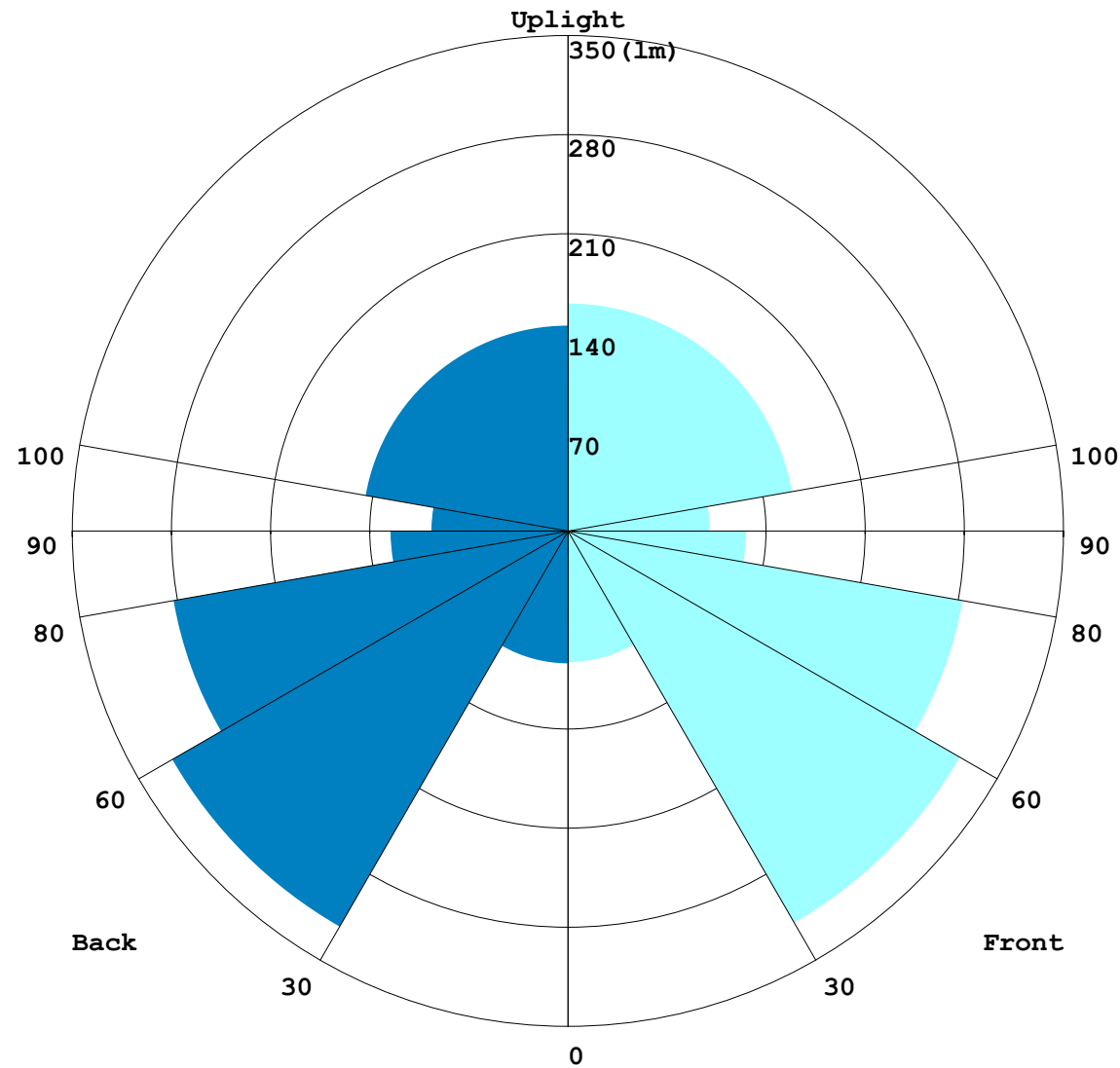
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-12-27

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
Humidity:56%
Test Distance:6.500m [K=1.0000]
Remarks:

LCS REPORT

Test:U:120.2V I:0.1698A P:20.21W PF:0.9902 Freq:59.98Hz Lamp Flux:2148.1x1 lm		
NAME: ASD-VTJ-20RGBCW	TYPE:	WEIGHT:
SPEC.:20W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.08*0.08	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-12-27

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
Humidity:56%
Test Distance:6.500m [K=1.0000]
Remarks:

BUG REPORT

Test:U:120.2V I:0.1698A P:20.21W PF:0.9902 Freq:59.98Hz Lamp Flux:2148.1x1 lm		
NAME: ASD-VTJ-20RGBCW	TYPE:	WEIGHT:
SPEC.:20W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.08*0.08	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	92.726	4.3
FM - Front-Medium(30-60)	319.52	14.9
FH - Front-High(60-80)	283.04	13.2
FVH - Front-Very High(80-90)	125.96	5.9
Total Forward Light	1082.2	50.4

BL - Back-Low(0-30)	93.512	4.4
BM - Back-Medium(30-60)	322.74	15.0
BH - Back-High(60-80)	282.91	13.2
BVH - Back-Very High(80-90)	125.28	5.8
Total Back Light	1065.9	49.6

UL - Uplight-Low(90-100)	196.72	9.2
UH - Uplight-High(100-180)	305.69	14.2
Total Up Light	502.41	23.4

BUG(Back,Up,Glare) Rating	B1-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	824.44	241.47	1065.9
Street Side	821.25	260.93	1082.2

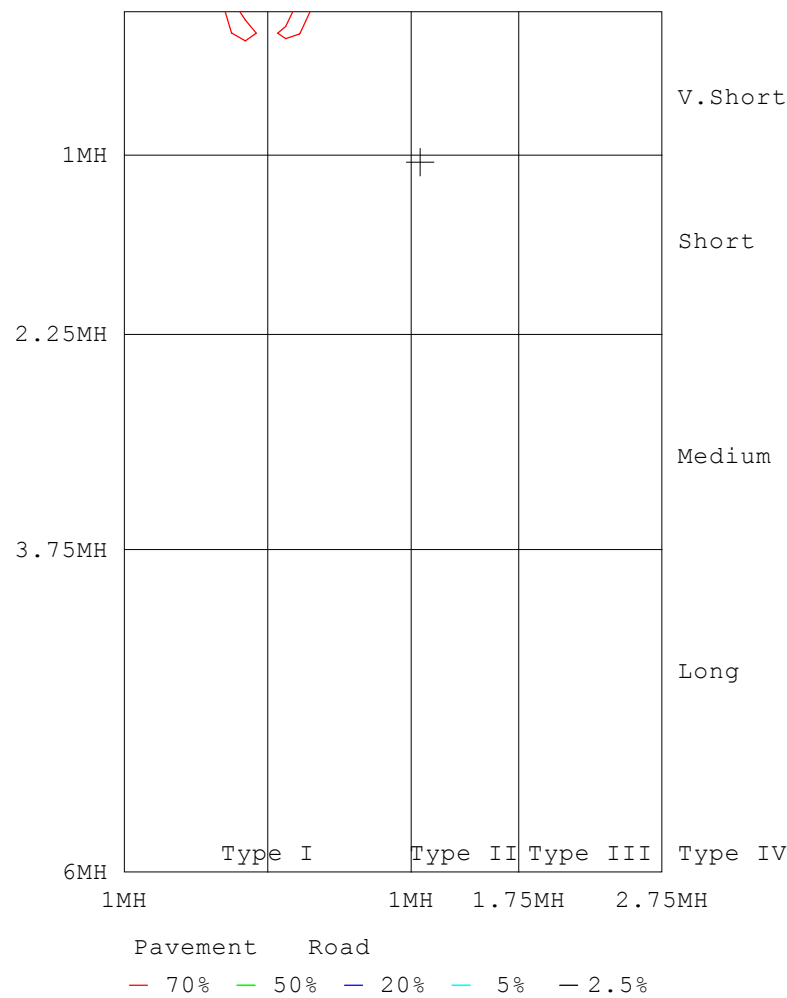
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-12-27

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:56%
 Test Distance:6.500m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:120.2V I:0.1698A P:20.21W PF:0.9902 Freq:59.98Hz Lamp Flux:2148.1x1 lm		
NAME: ASD-VTJ-20RGBCW	TYPE:	WEIGHT:
SPEC.:20W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.08*0.08	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-12-27

☐ Range: 0 - 180DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
Humidity:56%
Test Distance:6.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.1698A P:20.21W PF:0.9902 Freq:59.98Hz Lamp Flux:2148.1x1 lm		
NAME: ASD-VTJ-20RGBCW	TYPE:	WEIGHT:
SPEC.:20W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.08*0.08	Shielding Angle:

Table--1									UNIT: cd										
C (DEG) □ (DEG)	0	45	90	135	180	225	270	315											
0	219	219	219	219	219	219	219	219											
5	218	218	218	218	216	216	217	217											
10	212	211	210	211	208	209	210	211											
15	207	207	208	209	209	210	208	209											
20	213	215	216	219	218	219	215	217											
25	222	226	227	231	230	233	226	229											
30	233	241	239	246	244	247	239	244											
35	246	255	252	262	257	263	252	259											
40	257	271	265	277	269	279	263	274											
45	266	286	275	292	279	293	273	288											
50	274	296	284	302	285	302	282	298											
55	280	300	288	305	288	304	288	301											
60	282	299	289	303	286	302	288	300											
65	279	295	284	297	280	296	284	295											
70	272	286	273	286	269	286	275	286											
75	260	273	257	272	255	272	260	274											
80	246	257	240	255	238	256	244	258											
85	228	240	222	236	219	237	226	240											
90	208	219	201	215	197	215	205	219											
95	185	197	180	191	146	192	180	196											
100	95.1	174	159	169	60.8	169	156	170											
105	41.1	152	139	147	21.5	148	135	145											
110	14.7	133	87.3	128	3.25	128	79.8	124											
115	2.97	115	61.8	111	13.5	110	51.1	104											
120	13.0	99.5	53.7	95.6	33.9	93.6	43.9	87.0											
125	30.2	85.2	46.8	81.8	39.0	79.1	38.7	76.4											
130	35.7	72.3	40.5	69.5	34.2	65.7	31.8	64.1											
135	31.3	60.8	34.4	58.2	29.1	51.9	23.7	52.2											
140	26.3	50.2	28.6	47.8	24.0	38.3	19.6	39.4											
145	21.5	40.3	23.1	37.9	18.7	21.7	7.51	30.2											
150	16.9	30.8	17.9	28.4	13.4	13.6	4.04	22.7											
155	12.7	21.9	13.2	20.0	9.06	8.12	3.10	14.9											
160	9.18	14.3	9.39	13.2	6.61	5.80	2.92	8.97											
165	6.73	9.25	6.86	8.16	4.93	4.48	2.94	5.44											
170	5.12	6.13	5.07	5.15	3.41	3.23	3.05	4.21											
175	3.83	3.88	3.56	3.50	3.09	2.92	3.05	3.51											
180	2.94	2.94	2.94	2.94	2.94	2.92	2.93	2.96											

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-12-27

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
Humidity:56%
Test Distance:6.500m [K=1.0000]
Remarks: