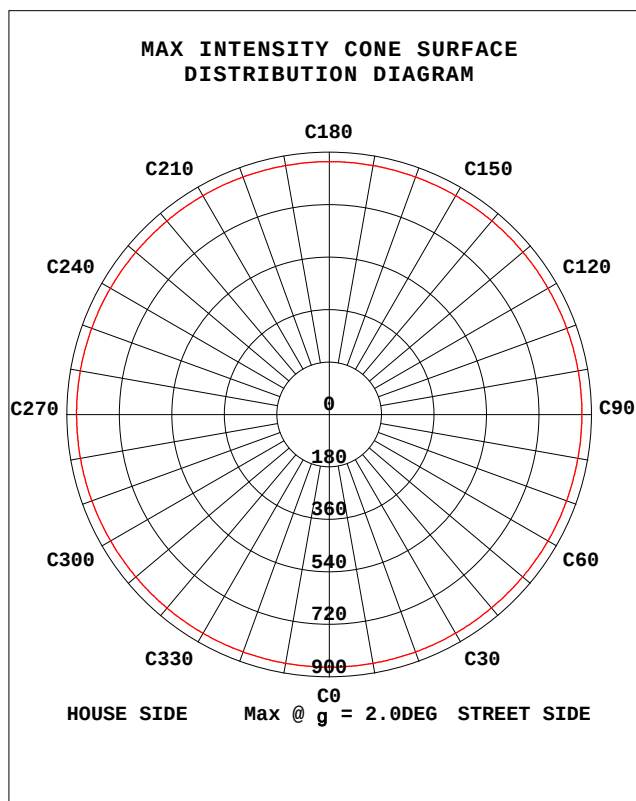
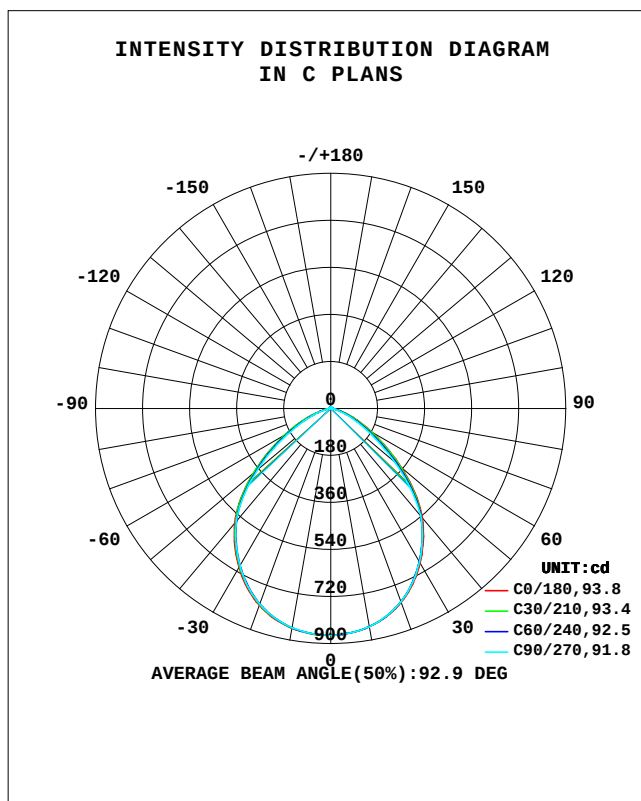


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: ASD-CDL7-6DA22AC 22W 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 86.02 lm/W
ASD-CDL7-6DA22AC(22W 5000K)		I _{max} (cd)	868.0	h street_up(%)	0.5	
NOMINAL POWER(W)	22	LOR(%)	100.0	h street_down(%)	48.8	
RATED VOLTAGE(V)	100-277	TOTAL FLUX(lm)	1850	h house_up(%)	0.4	
NOMINAL FLUX(lm)	1850	MAXIMUM @(C, g)	180, 2.0	h house_down(%)	50.3	
LAMPS INSIDE	1	h up(%)	0.9	76 FLASHAREA(m2)	0.00100	
TEST VOLTAGE(V)	120.0	h down(%)	99.1	SLI	15.266	

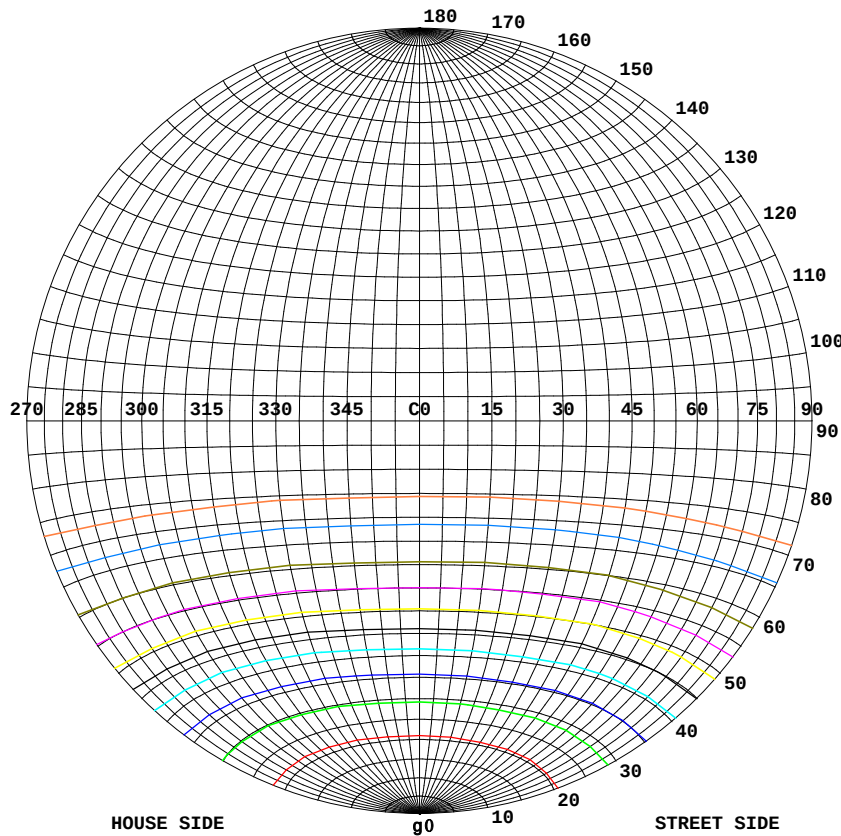


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-09-29

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.000m [K=1.0750]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:



Classification:

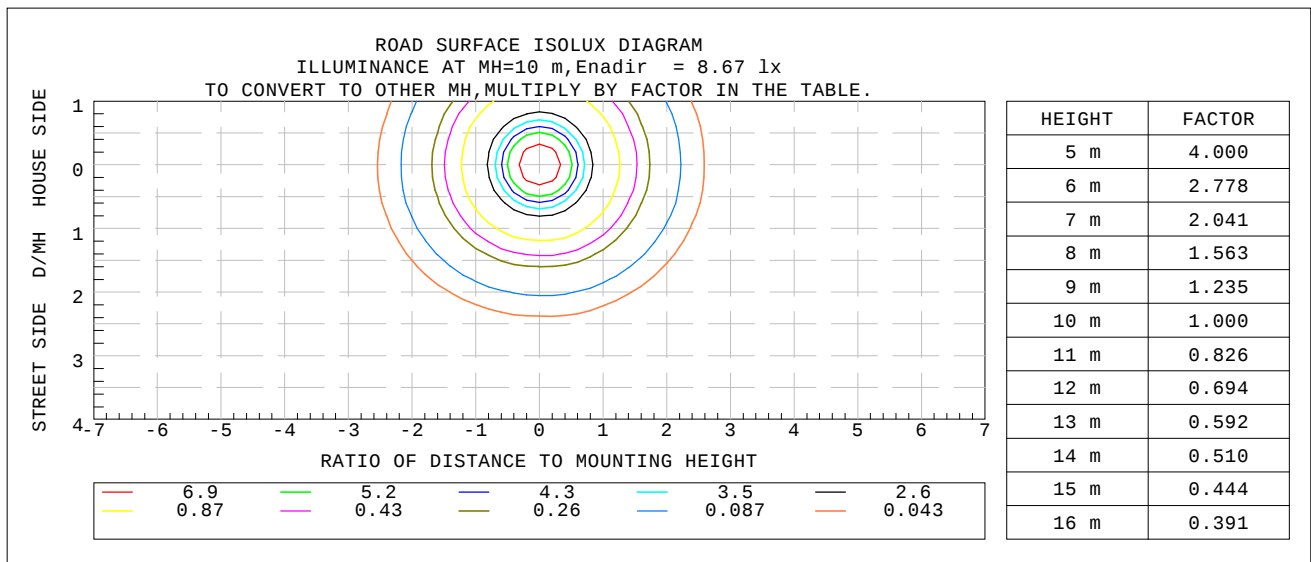
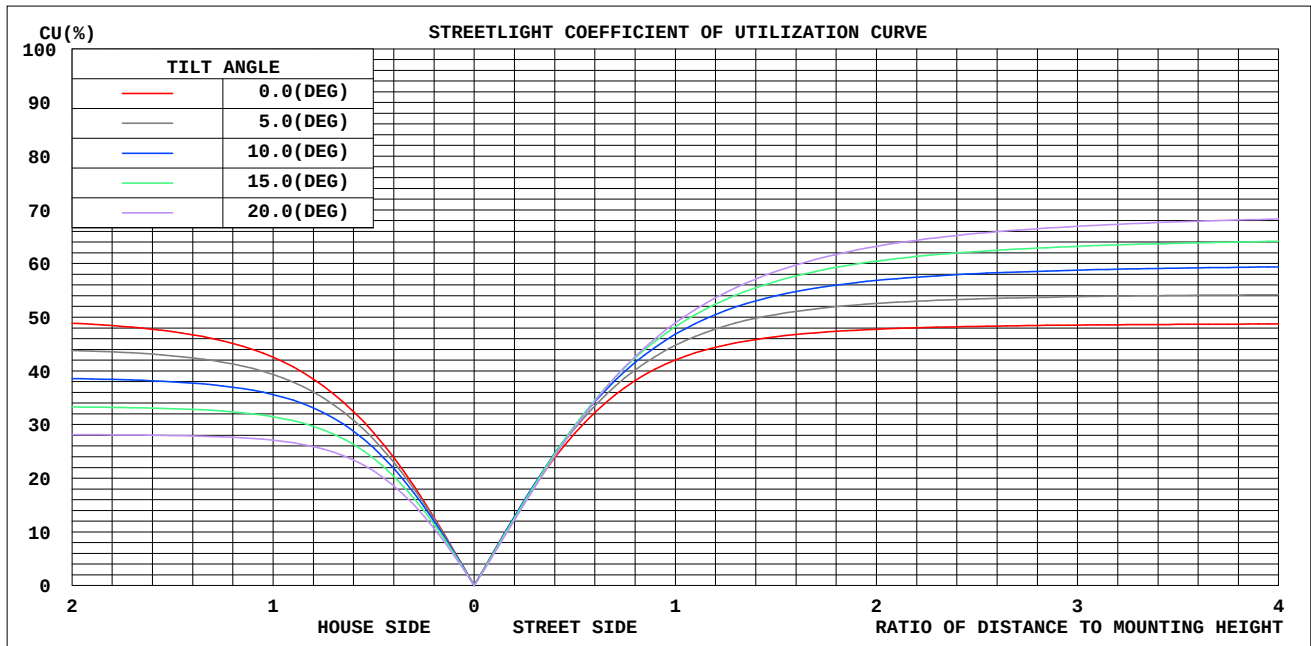
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:10.14cd/klm
 Max.At90:0.3474cd/klm
 Max.80-90:10.14cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	868
90%	781
80%	694
70%	608
60%	521
50%	434
40%	347
30%	260
20%	174
10%	87
5%	43

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-09-29

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.000m [K=1.0750]
 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: 2021-09-29

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.000m [K=1.0750]
Remarks:

ZONAL FLUX DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

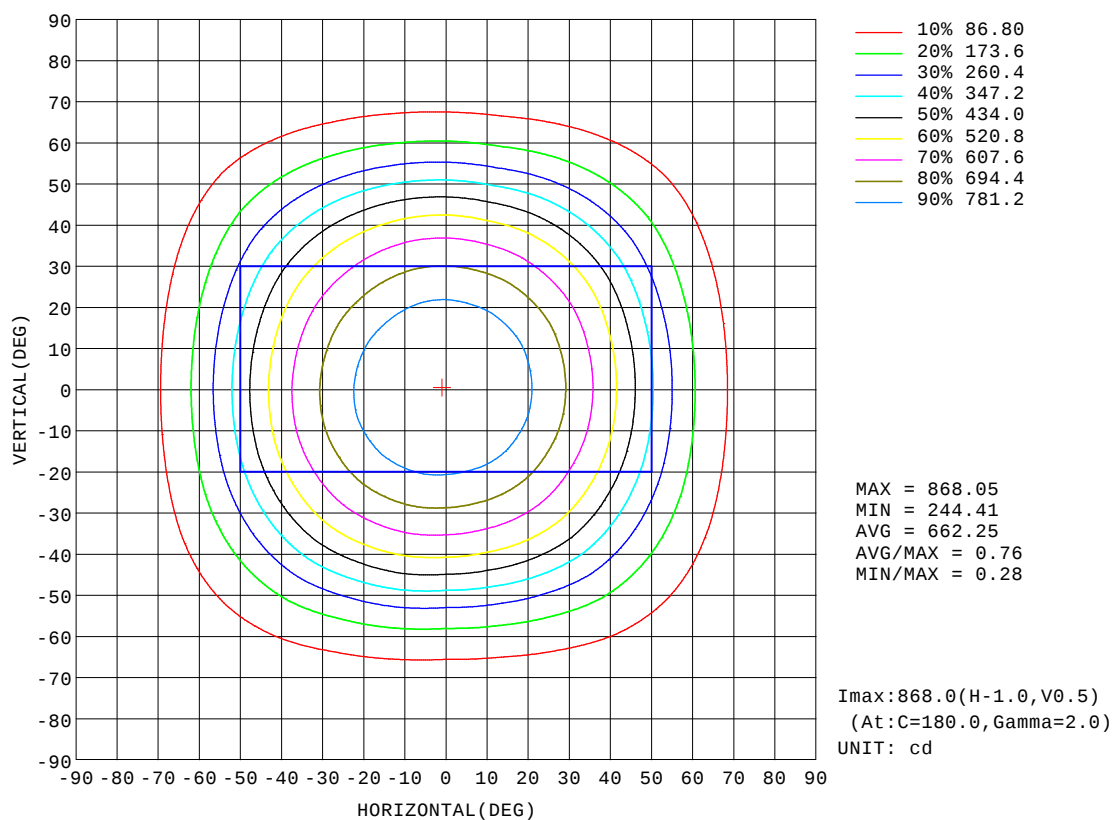
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	848.5	847.8	848.1	852.3	854.4	851.7	851.9	849.6	0- 10	82.01	82.01	4.5,4.5
20	789.2	787.2	787.2	798.1	801.2	795.5	796.6	792.4	10- 20	233.2	315.2	17.3,17.3
30	684.0	679.5	678.5	697.7	702.7	693.8	695.4	690.0	20- 30	343.5	658.7	36.1,36.1
40	546.0	539.1	535.5	563.2	571.8	561.3	562.3	554.7	30- 40	390.6	1049	57.6,57.6
50	355.2	348.2	322.1	370.7	388.1	380.5	367.0	365.3	40- 50	355.7	1405	77.1,77.1
60	182.1	173.5	147.8	183.3	203.4	197.2	179.5	182.0	50- 60	237.2	1642	90.1,90.1
70	73.75	66.06	52.42	68.68	81.34	73.68	64.12	68.49	60- 70	117.8	1760	96.6,96.6
80	17.61	14.91	12.83	15.47	18.09	14.55	14.53	15.48	70- 80	39.10	1799	98.7,98.7
90	0.4278	0.4110	0.3593	0.3803	0.3074	0.3020	0.2704	0.6332	80- 90	6.573	1806	99.1,99.1
100	0.9623	0.9108	0.8789	0.8649	0.7607	0.7173	0.6408	0.7649	90-100	0.6090	1806	99.1,99.1
110	1.722	1.665	1.639	1.615	1.469	1.419	1.333	1.473	100-110	1.222	1808	99.2,99.2
120	2.628	2.560	2.544	2.484	2.302	2.246	2.192	2.327	110-120	1.943	1810	99.3,99.3
130	3.539	3.465	3.481	3.386	3.218	3.130	3.103	3.217	120-130	2.561	1812	99.4,99.4
140	4.341	4.292	4.319	4.224	4.025	3.942	3.936	4.030	130-140	2.877	1815	99.6,99.6
150	5.075	5.072	5.038	5.010	4.743	4.686	4.670	4.780	140-150	2.819	1818	99.7,99.7
160	5.767	5.754	5.819	5.713	5.519	5.466	5.482	5.519	150-160	2.423	1820	99.9,99.9
170	6.309	6.299	6.314	6.312	6.211	6.205	6.205	6.217	160-170	1.682	1822	100,100
180	6.617	6.627	6.579	6.644	6.617	6.627	6.579	6.644	170-180	0.6120	1822	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:2021-09-29

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.000m [K=1.0750]
Remarks:

ISOCANDELA DIAGRAM

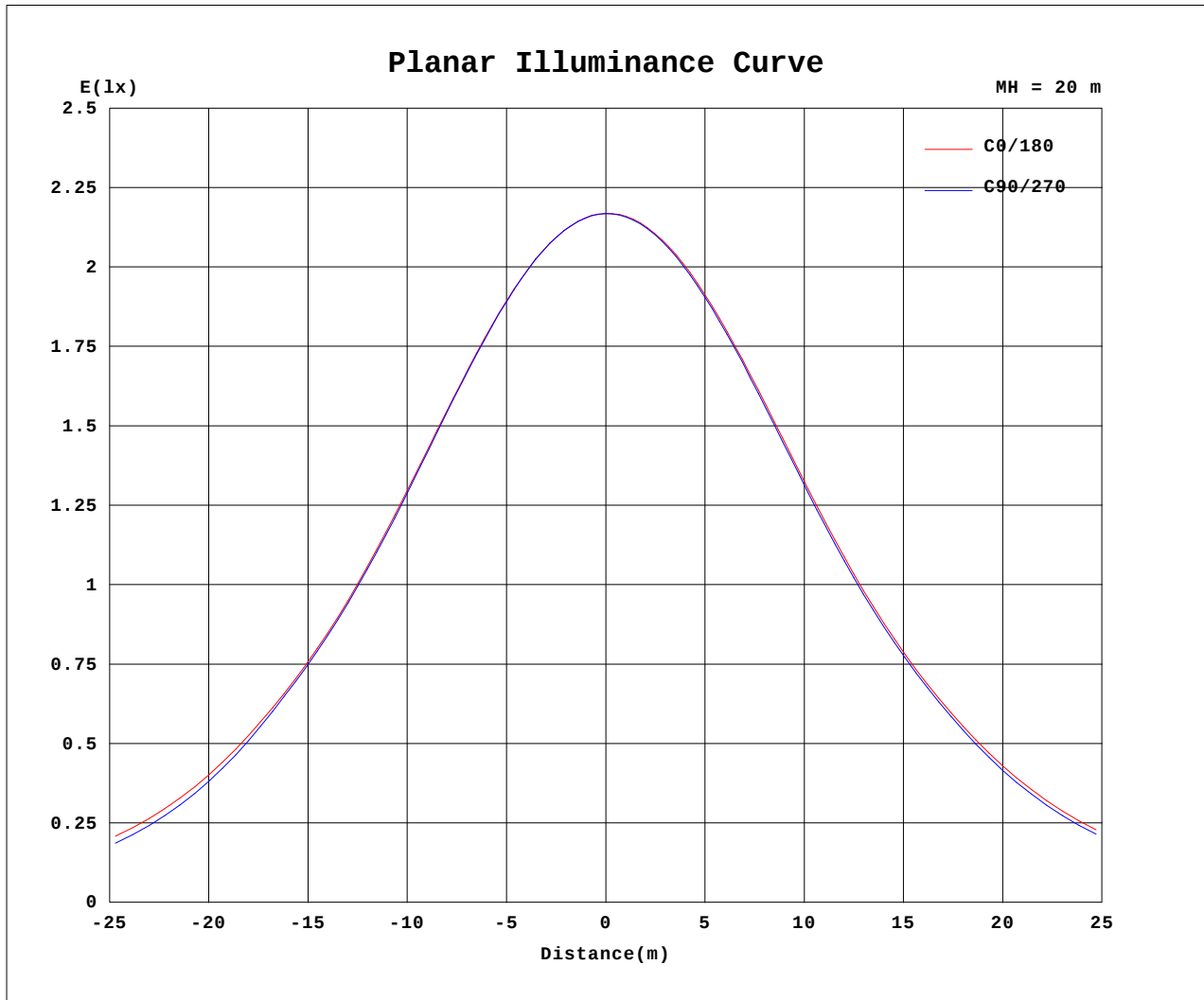
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-09-29

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.000m [K=1.0750]
Remarks:

Planar Illuminance Curve



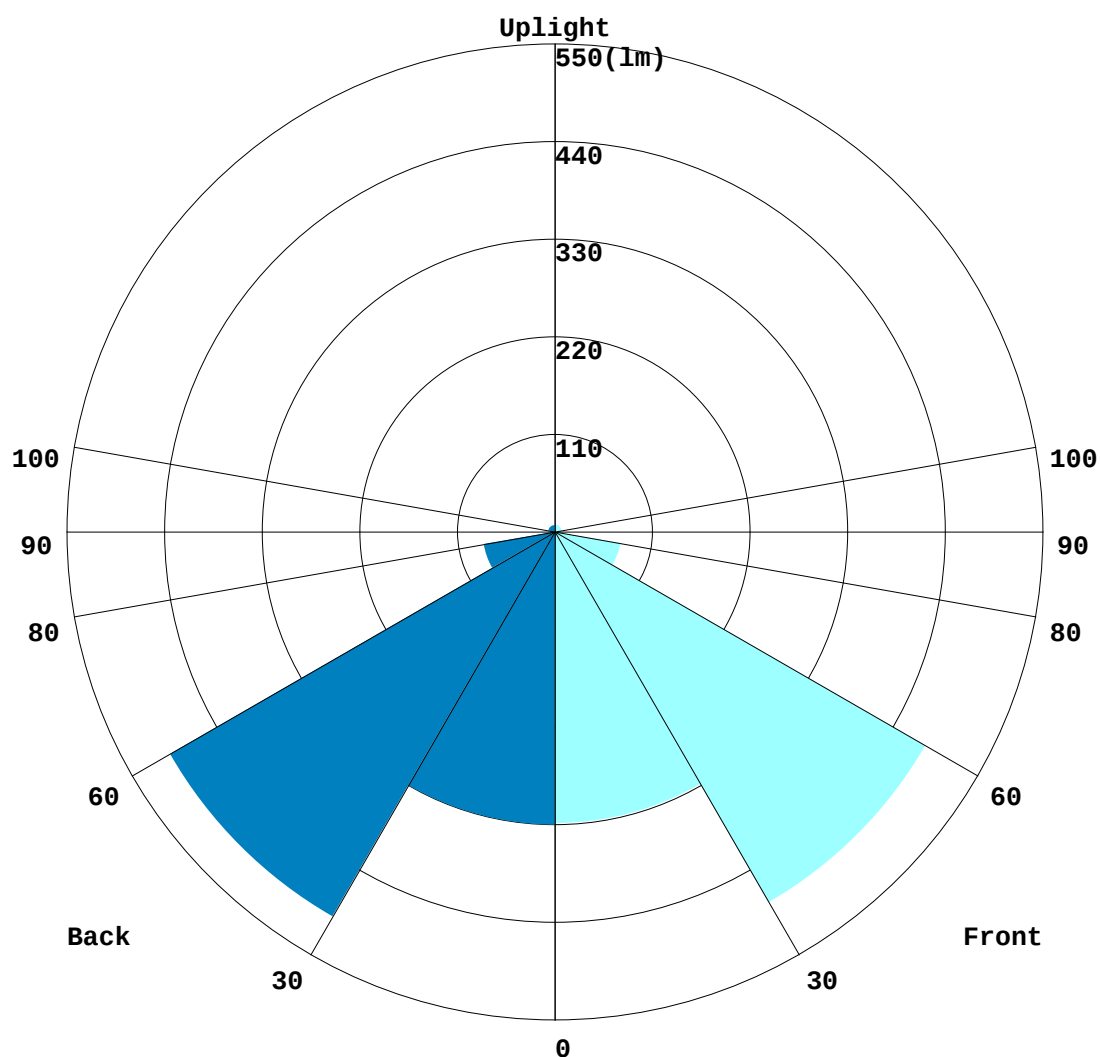
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-09-29

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0750]
 Remarks:

LCS REPORT

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-09-29

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0750]
 Remarks:

BUG REPORT

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	328.45	18.0
FM - Front-Medium(30-60)	482.48	26.5
FH - Front-High(60-80)	75.34	4.1
FVH - Front-Very High(80-90)	3.2768	0.2
Total Forward Light	898.28	49.3

BL - Back-Low(0-30)	330.28	18.1
BM - Back-Medium(30-60)	501.1	27.5
BH - Back-High(60-80)	81.526	4.5
BVH - Back-Very High(80-90)	3.2963	0.2
Total Back Light	924.21	50.7

UL - Uplight-Low(90-100)	0.60896	0.0
UH - Uplight-High(100-180)	16.139	0.9
Total Up Light	16.748	0.9

BUG(Back,Up,Glare) Rating	B1-U2-G0
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	916.21	8.0062	924.21
Street Side	889.54	8.7415	898.28

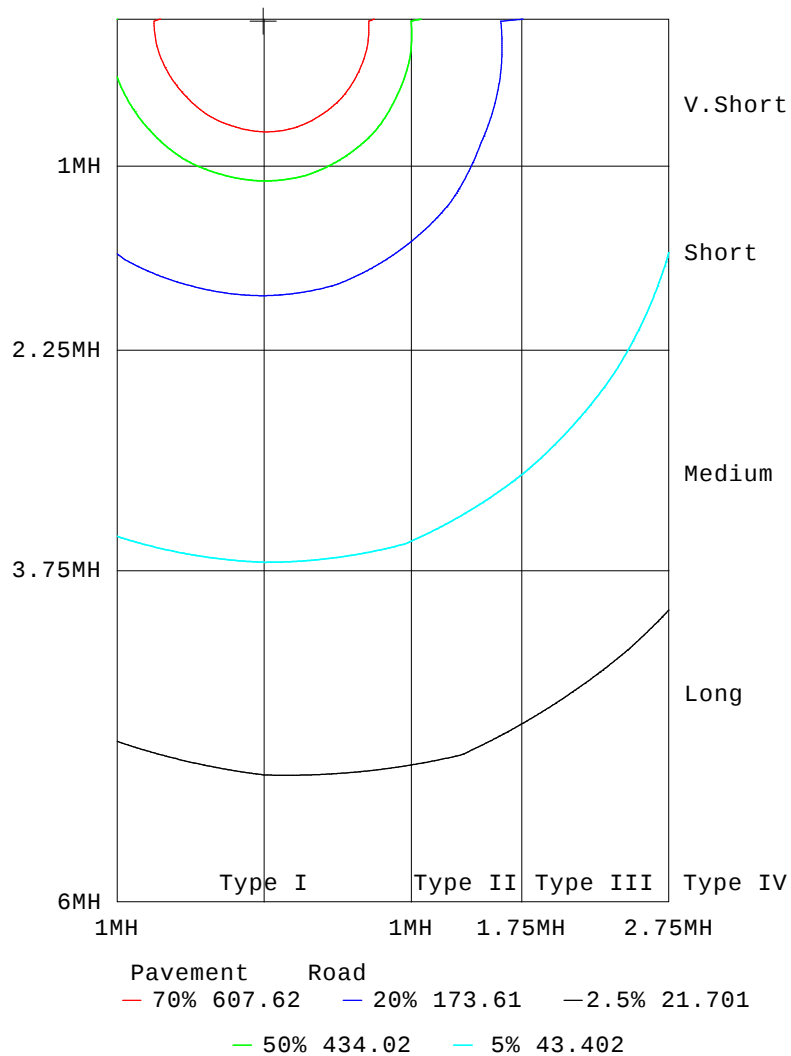
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-09-29

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.000m [K=1.0750]
Remarks:

ROAD ISOCANDELA REPORT

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-09-29

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.000m [K=1.0750]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

Table--1
UNIT: cd

C(DEC) g (DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	868	868	868	868	868	868	868	868	868	868	868	868	868	868	868	868	868	868	868
5	862	862	862	862	862	862	862	863	864	864	865	865	866	865	865	864	864	864	864
10	848	848	848	848	848	847	848	850	851	852	853	855	854	853	853	852	852	852	852
15	824	824	823	824	823	822	823	826	828	831	832	834	833	832	831	829	830	830	830
20	789	788	787	787	787	785	787	792	794	798	800	802	801	799	798	796	796	797	797
25	742	741	738	739	737	735	738	744	748	753	756	758	757	754	753	750	750	752	751
30	684	682	679	679	678	676	679	686	691	698	700	704	703	699	698	694	694	696	695
35	618	616	612	613	611	609	612	621	626	634	637	641	641	637	635	631	632	633	632
40	546	544	539	539	536	532	535	546	553	563	567	573	572	568	566	561	562	563	562
45	455	454	450	450	441	432	432	450	459	474	480	487	487	484	485	479	475	474	471
50	355	355	350	348	335	324	322	340	352	371	379	388	388	386	387	381	375	371	367
55	261	262	257	253	237	226	224	238	249	270	278	289	290	289	291	283	276	270	265
60	182	183	179	173	160	150	148	157	166	183	192	202	203	203	205	197	189	183	180
65	121	121	118	112	101	94.0	92.5	98.6	105	117	126	133	134	134	135	128	120	116	113
70	73.8	73.9	70.7	66.1	58.8	53.8	52.4	56.4	60.5	68.7	75.2	80.6	81.3	80.9	80.3	73.7	68.2	65.9	64.1
75	39.3	39.2	36.6	33.7	29.5	26.5	25.8	27.8	29.9	34.8	39.0	42.4	42.4	41.4	40.4	35.5	32.5	31.5	31.1
80	17.6	17.1	15.5	14.9	14.0	13.1	12.8	13.7	14.2	15.5	17.0	18.5	18.1	16.9	15.7	14.5	14.5	14.6	14.5
85	6.88	6.58	5.61	5.03	4.17	3.53	3.25	3.85	4.31	5.41	6.21	7.28	6.88	6.05	5.36	4.41	4.17	4.45	4.37
90	0.43	0.47	0.44	0.41	0.39	0.36	0.36	0.35	0.36	0.38	0.42	0.40	0.31	0.36	0.34	0.30	0.28	0.26	0.27
95	0.66	0.64	0.65	0.71	0.70	0.61	0.61	0.57	0.59	0.58	0.59	0.58	0.49	0.50	0.48	0.47	0.44	0.42	0.40
100	0.96	0.94	0.95	0.91	0.90	0.89	0.88	0.85	0.87	0.86	0.88	0.86	0.76	0.75	0.73	0.72	0.68	0.66	0.64
105	1.32	1.30	1.31	1.25	1.26	1.24	1.23	1.20	1.22	1.21	1.23	1.21	1.08	1.08	1.04	1.03	0.99	0.97	0.95
110	1.72	1.70	1.71	1.67	1.67	1.66	1.64	1.60	1.61	1.61	1.62	1.61	1.47	1.47	1.42	1.42	1.37	1.34	1.33
115	2.16	2.13	2.14	2.10	2.10	2.09	2.08	2.03	2.03	2.03	2.04	2.01	1.85	1.84	1.83	1.82	1.78	1.72	1.74
120	2.63	2.60	2.60	2.56	2.56	2.55	2.54	2.50	2.50	2.48	2.50	2.47	2.30	2.30	2.26	2.25	2.22	2.19	2.19
125	3.09	3.06	3.05	3.02	3.01	3.02	3.01	2.96	2.97	2.94	2.96	2.94	2.77	2.74	2.70	2.69	2.68	2.66	2.61
130	3.54	3.51	3.49	3.47	3.46	3.48	3.48	3.42	3.42	3.39	3.39	3.39	3.22	3.18	3.12	3.13	3.12	3.10	3.10
135	3.96	3.93	3.90	3.87	3.90	3.91	3.90	3.85	3.85	3.82	3.83	3.82	3.63	3.59	3.53	3.52	3.53	3.52	3.49
140	4.34	4.29	4.31	4.29	4.31	4.33	4.32	4.27	4.25	4.22	4.24	4.22	4.02	3.98	3.94	3.94	3.92	3.92	3.94
145	4.71	4.66	4.69	4.67	4.68	4.70	4.72	4.66	4.62	4.61	4.62	4.59	4.38	4.35	4.33	4.31	4.30	4.27	4.32
150	5.07	5.06	5.04	5.07	5.04	5.03	5.04	5.00	4.99	5.01	4.99	4.96	4.74	4.72	4.69	4.69	4.66	4.66	4.67
155	5.43	5.42	5.41	5.42	5.42	5.43	5.44	5.40	5.38	5.37	5.39	5.37	5.13	5.12	5.07	5.07	5.06	5.07	5.08
160	5.77	5.77	5.78	5.75	5.76	5.81	5.82	5.78	5.75	5.71	5.75	5.73	5.52	5.54	5.51	5.47	5.47	5.47	5.48
165	6.07	6.07	6.06	6.06	6.08	6.09	6.12	6.11	6.05	6.01	6.02	6.02	5.89	5.92	5.91	5.87	5.84	5.84	5.88
170	6.31	6.29	6.30	6.30	6.32	6.33	6.31	6.30	6.30	6.31	6.33	6.30	6.21	6.23	6.22	6.20	6.18	6.18	6.20
175	6.51	6.49	6.50	6.52	6.52	6.50	6.48	6.50	6.53	6.56	6.55	6.51	6.47	6.48	6.50	6.48	6.44	6.42	6.42
180	6.62	6.60	6.62	6.63	6.60	6.58	6.58	6.59	6.63	6.64	6.62	6.61	6.62	6.60	6.62	6.63	6.60	6.58	6.58

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-09-29

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.000m [K=1.0750]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.12*0.12	Shielding Angle:

Table--2

UNIT: cd

C(DEG) g (DEG)	285	300	315	330	345														
0	868	868	868	868	868														
5	863	863	863	862	862														
10	851	851	850	849	848														
15	828	828	827	826	824														
20	794	794	792	792	790														
25	749	749	747	747	743														
30	692	692	690	690	685														
35	628	628	625	625	620														
40	556	557	555	554	548														
45	464	468	467	466	457														
50	359	364	365	366	357														
55	258	264	266	268	261														
60	173	179	182	186	181														
65	109	113	117	121	120														
70	62.1	65.3	68.5	72.6	72.5														
75	30.1	32.3	34.6	38.1	38.2														
80	14.3	15.0	15.5	17.0	17.2														
85	4.14	4.63	5.13	6.08	6.47														
90	0.26	0.29	0.63	0.34	0.35														
95	0.44	0.45	0.49	0.51	0.55														
100	0.68	0.70	0.76	0.78	0.82														
105	1.00	1.03	1.09	1.13	1.17														
110	1.38	1.42	1.47	1.51	1.56														
115	1.80	1.83	1.88	1.92	1.97														
120	2.24	2.28	2.33	2.35	2.42														
125	2.70	2.72	2.77	2.81	2.86														
130	3.15	3.16	3.22	3.24	3.31														
135	3.57	3.59	3.61	3.66	3.72														
140	3.97	4.00	4.03	4.05	4.08														
145	4.33	4.38	4.40	4.41	4.45														
150	4.69	4.73	4.78	4.76	4.81														
155	5.11	5.11	5.15	5.19	5.24														
160	5.51	5.50	5.52	5.59	5.62														
165	5.91	5.88	5.88	5.90	5.93														
170	6.25	6.23	6.22	6.20	6.21														
175	6.45	6.47	6.48	6.45	6.45														
180	6.59	6.62	6.64	6.62	6.61														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-09-29

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.000m [K=1.0750]
Remarks: