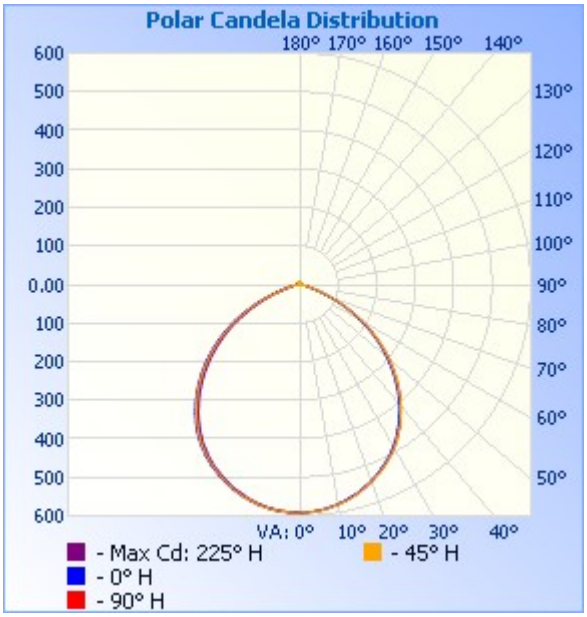
Photometrics Pro

Luminaire Photometric Report

Filename: 4000K_IESNA2002
Manufacturer: Sarin Energy Solutions
Lamp Output: 1 lamp, rated Lumens/lamp: 1445.5
Max Candela: 592.5 at Horizontal: 225°, Vertical: 1°
Input Wattage: 14.8
Luminous Opening: Circular (Dia: 5.12")
Test Date: 2024-07-26
Test Lab: EVERFINE
Photometry : Type C
Nema Type: 7 X 7



Roadway Summary

	Lumens	% Lamp
Cutoff Classification:		CUTOFF
Distribution:		Type VS
Max Cd, 90 Deg Vert:		3.0
Max Cd, 80 to <90 Deg:		22.1
Downward Street Side:	698.7	48.3%
Downward House Side:	721.8	49.9%
Downward Total:	1,420.4	98.3%
Upward Street Side:	13.2	0.9%
Upward House Side:	11.8	0.8%
Upward Total:	25.1	1.7%
Total Lumens:	1,445.5	100%

Flood Summary

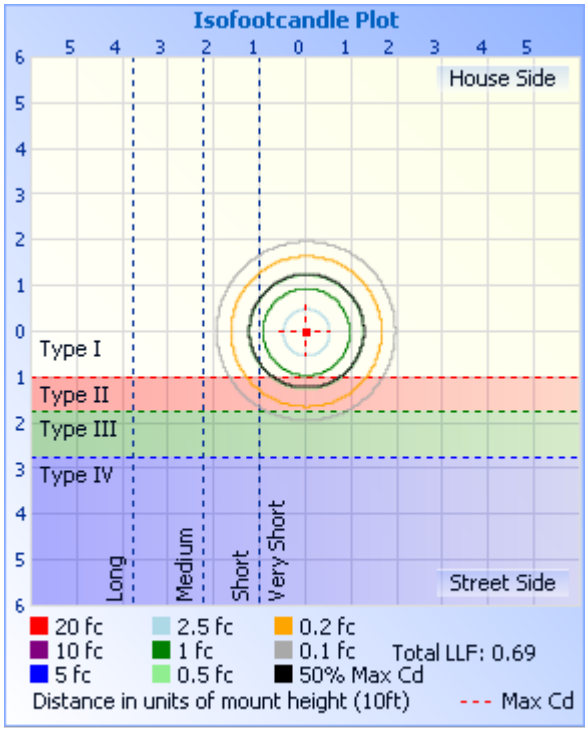
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	95.3%	1,378.1	142.6	142.5
Beam (50%):	72.4%	1,046.9	102.2	102.2
Total:	98.2%	1,420.1		

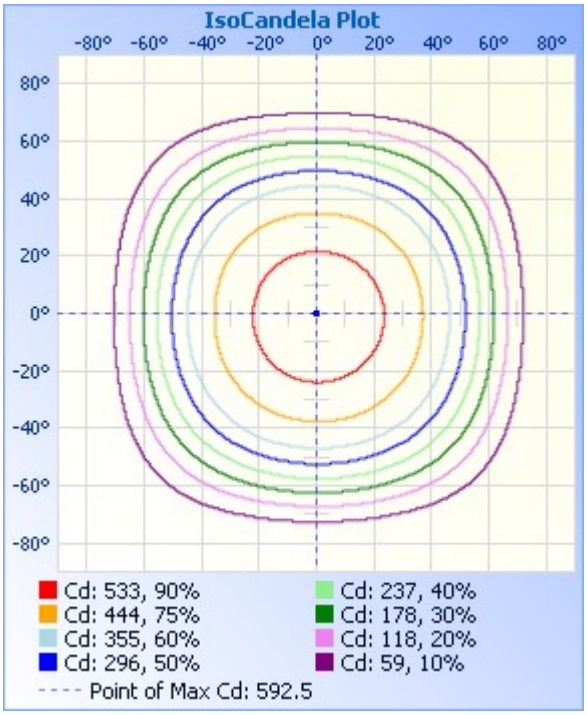
Zonal Lumen Summary

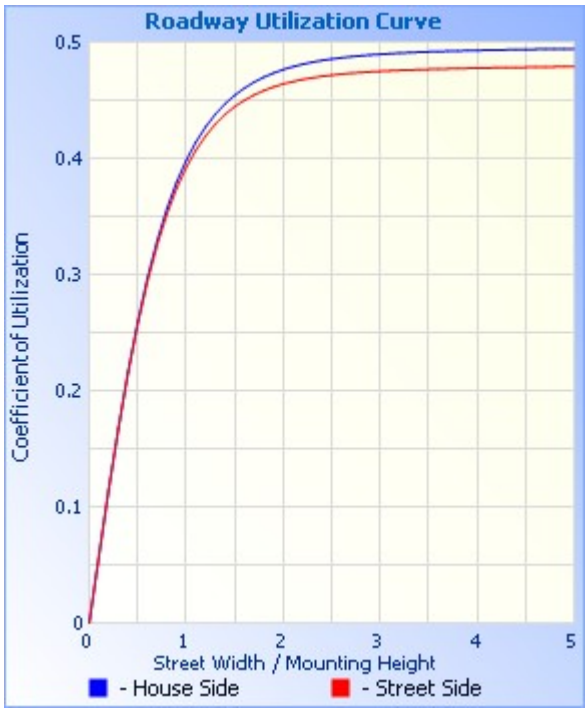
Zone	Lumens	% Lamp	% Luminaire
0-30	455.6	31.5%	31.5%
0-40	739.9	51.2%	51.2%
0-60	1,242.6	86%	86%
60-90	177.7	12.3%	12.3%
70-100	53.1	3.7%	3.7%
90-120	9.5	0.7%	0.7%
0-90	1,420.3	98.3%	98.3%
90-180	25.1	1.7%	1.7%
0-180	1,445.3	100%	100%

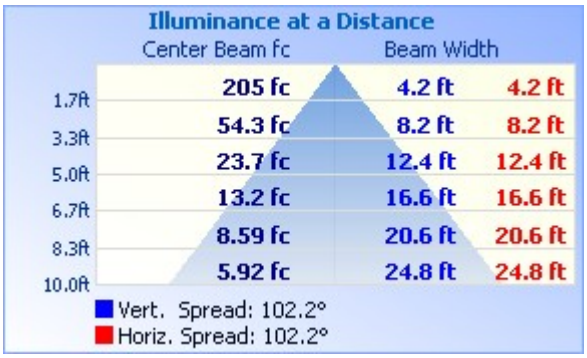
Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	55.9	3.9%	90-100	2.7	0.2%
10-20	159.5	11.0%	100-110	3.2	0.2%
20-30	240.2	16.6%	110-120	3.6	0.2%
30-40	284.2	19.7%	120-130	3.7	0.3%
40-50	278.9	19.3%	130-140	3.6	0.2%
50-60	223.8	15.5%	140-150	3.2	0.2%
60-70	127.3	8.8%	150-160	2.6	0.2%
70-80	39.9	2.8%	160-170	1.8	0.1%
80-90	10.4	0.7%	170-180	0.6	0%









Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	.98	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1	1.10	1.06	1.02	.99	1.07	1.03	1.00	.86	.99	.96	.94	.95	.92	.90	.91	.89	.87	.85
2	1.01	.94	.88	.82	.98	.92	.86	.74	.88	.83	.79	.84	.81	.77	.81	.78	.75	.73
3	.93	.83	.76	.70	.90	.81	.75	.64	.78	.72	.68	.75	.70	.66	.73	.69	.65	.63

4	.85	.74	.66	.60	.83	.73	.65	.56	.70	.64	.58	.68	.62	.57	.65	.61	.57	.54
5	.79	.67	.58	.52	.77	.65	.58	.49	.63	.56	.51	.61	.55	.50	.59	.54	.50	.48
6	.73	.60	.52	.46	.71	.59	.51	.44	.57	.50	.45	.55	.49	.44	.54	.48	.44	.42
7	.68	.55	.46	.41	.66	.54	.46	.39	.52	.45	.40	.51	.44	.40	.49	.44	.39	.37
8	.63	.50	.42	.36	.61	.49	.42	.35	.48	.41	.36	.47	.40	.36	.45	.40	.35	.33
9	.59	.46	.38	.33	.57	.45	.38	.32	.44	.37	.32	.43	.37	.32	.42	.36	.32	.30
10	.55	.43	.35	.30	.54	.42	.35	.29	.41	.34	.30	.40	.34	.29	.39	.33	.29	.27

Candela Table - Type C

	0	45	90	135	180	225	270	315	360
0	592	592	592	592	592	592	592	592	592
1	591	590	591	591	591	**593**	592	591	591
2	590	591	591	592	590	592	592	591	590
3	590	590	591	591	591	591	591	590	590
4	588	589	589	590	589	591	590	590	588
5	587	589	589	589	590	590	590	588	587
6	586	587	587	589	588	589	588	587	586
7	584	586	585	586	588	587	587	585	584
8	582	584	584	583	586	585	585	584	582
9	580	580	581	583	582	584	584	581	580
10	577	579	579	580	581	582	581	579	577
11	574	575	576	578	580	579	579	577	574
12	573	574	573	576	575	577	576	574	573
13	567	571	571	573	575	574	573	571	567
14	565	568	567	570	570	571	570	568	565
15	562	564	564	566	568	568	567	564	562
16	558	560	561	563	565	564	564	560	558
17	553	557	557	560	562	561	560	557	553
18	549	552	553	555	558	557	556	554	549
19	546	547	548	552	553	552	551	549	546
20	541	544	545	547	550	549	548	544	541
21	536	539	539	542	545	544	543	539	536
22	532	534	535	538	540	539	539	534	532
23	527	530	530	534	537	534	535	530	527
24	521	524	525	529	531	530	529	525	521
25	516	519	520	524	526	524	524	520	516
26	510	513	514	518	522	519	519	515	510
27	505	508	508	513	515	515	514	508	505
28	499	502	502	507	510	507	507	503	499
29	492	496	496	501	505	502	502	496	492
30	485	489	490	495	497	496	496	489	485
31	478	483	483	488	492	489	489	484	478
32	471	475	476	480	485	483	482	476	471
33	463	466	468	474	478	475	474	468	463
34	455	460	460	466	471	468	467	460	455
35	446	452	452	458	463	459	459	452	446
36	438	444	443	450	456	452	451	443	438
37	429	435	435	441	447	444	442	435	429
38	421	426	426	434	438	435	433	426	421
39	412	417	417	424	430	427	425	417	412
40	402	408	408	414	421	417	415	406	402
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Luminaire Report Summary

```
IESNA:LM-63-2002
[TEST]
[TESTDATE] 2024-07-26
[TESTLAB] EVERFINE
[ISSUEDATE] 2024-07-26 10:49:27
[MANUFAC] Sarin Energy Solutions
[_LAMPPOSITION] 0,0
[_TOTALLUMINAIRELUMENS] 1445.3
[OTHER] EVERFINE GO-2000B_V1 SYSTEM
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 181, HORIZONTAL ANGLES: 9
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: METRIC
FILE: BALLAST FACTOR: 1
```

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Reported data calculated from manufacturer's data file, based on IES recommended methods.