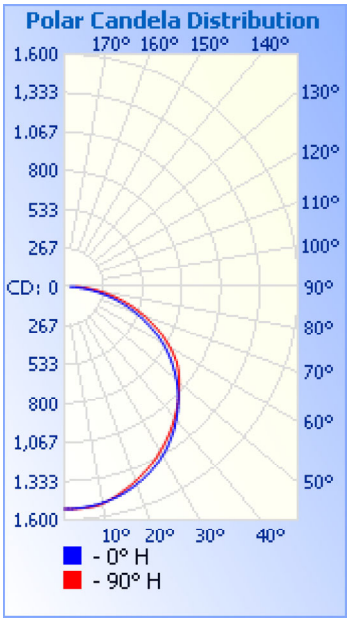
Photometrics Pro

Luminaire Photometric Report

Filename: **2x2 40W 5000K_IESNA2002 - SARIN**
Manufacturer: SARIN Energy
Lamp Output: 1 lamp, rated Lumens/lamp: 4762.9
Max Candela: 1,529.5 at Horizontal: 90°, Vertical: 2°
Input Wattage: 41.2019
Luminous Opening: Point
Test Date: 2023-12-29
Test Lab: EVERFINE
Photometry : Type C
Nema Type: 7 X 7



Roadway Summary

Cutoff Classification:		CUTOFF
Distribution:		Type VS
Max Cd, 90 Deg Vert:		77.9
Max Cd, 80 to <90 Deg:		316.7
	Lumens	% Lamp
Downward Street Side:	2,411.3	50.6%
Downward House Side:	2,351.6	49.4%
Downward Total:	4,762.9	100%
Total Lumens:	4,762.9	100%

Flood Summary

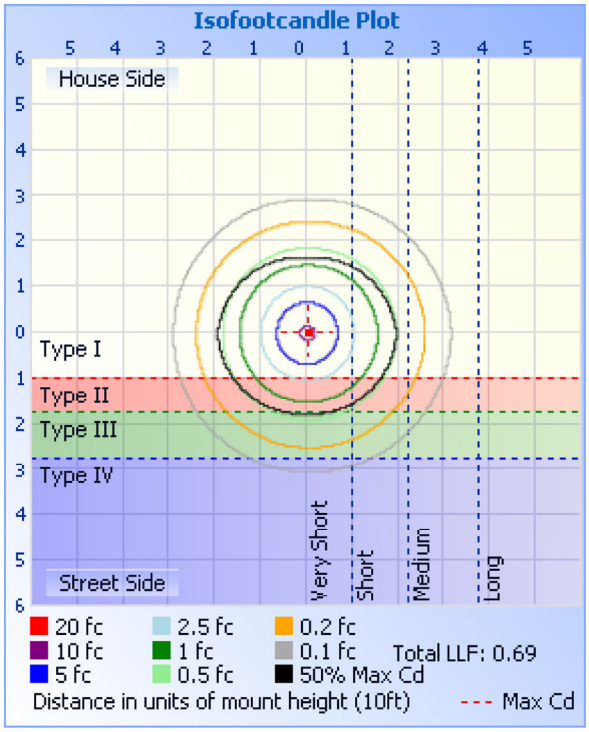
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.8%	4,704.2	168.7	166.9
Beam (50%):	75.3%	3,584.5	120.6	119.3
Total:	100%	4,761.1		

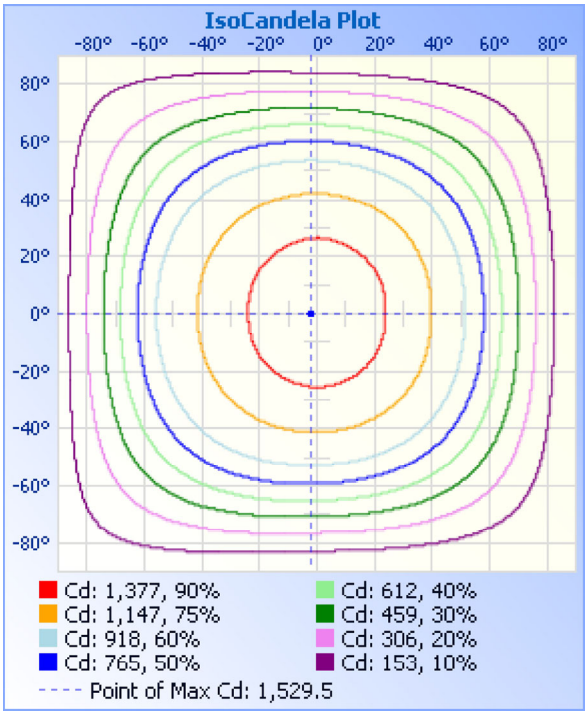
Zonal Lumen Summary

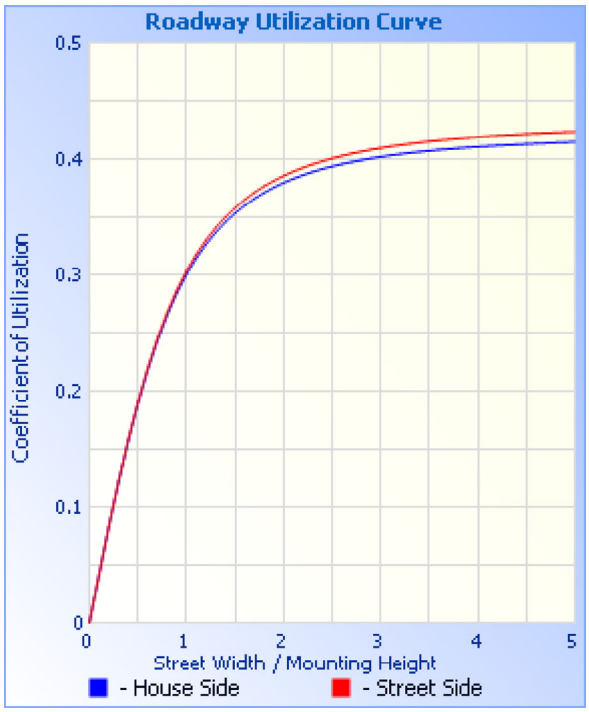
Zone	Lumens	% Lamp	% Luminaire
0-30	1,195.0	25.1%	25.1%
0-40	1,974.1	41.4%	41.5%
0-60	3,592.2	75.4%	75.4%
60-90	1,170.3	24.6%	24.6%
0-90	4,762.5	100%	100%

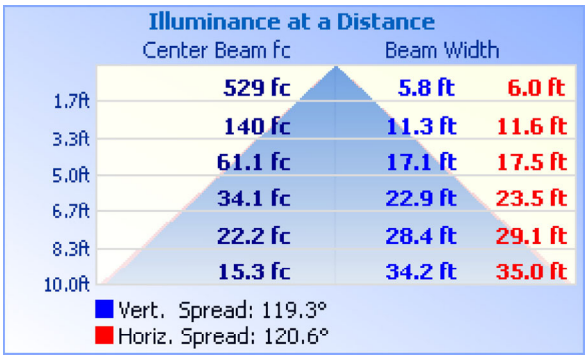
Lumens Per Zone

Zone	Lumens	% Total
0-10	144.8	3.0%
10-20	415.5	8.7%
20-30	634.8	13.3%
30-40	779.1	16.4%
40-50	832.5	17.5%
50-60	785.6	16.5%
60-70	630.2	13.2%
70-80	395.7	8.3%
80-90	144.4	3.0%









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	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.08	1.03	.98	.94	1.05	1.00	.96	.83	.96	.93	.89	.92	.89	.87	.89	.86	.84	.82
2	.98	.89	.82	.76	.95	.87	.80	.69	.83	.78	.73	.80	.75	.71	.77	.73	.70	.67
3	.89	.78	.69	.62	.86	.76	.68	.58	.73	.66	.60	.70	.64	.59	.68	.63	.58	.56

4	.81	.68	.59	.52	.79	.67	.59	.49	.65	.57	.51	.62	.56	.50	.60	.54	.50	.47
5	.74	.61	.52	.45	.72	.60	.51	.43	.58	.50	.44	.56	.49	.43	.54	.48	.43	.41
6	.68	.55	.45	.39	.67	.54	.45	.37	.52	.44	.38	.50	.43	.38	.49	.42	.38	.35
7	.63	.50	.41	.34	.62	.49	.40	.33	.47	.39	.34	.46	.39	.34	.44	.38	.33	.31
8	.59	.45	.36	.30	.57	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.28
9	.55	.41	.33	.27	.54	.41	.33	.27	.40	.32	.27	.38	.32	.27	.37	.31	.27	.25
10	.52	.38	.30	.25	.50	.38	.30	.24	.37	.29	.24	.36	.29	.24	.35	.29	.24	.22

Candela Table - Type C

	0	90	180	270	360
0	1529	1529	1529	1529	1529
1	1528	1528	1528	1526	1528
2	1529	**1530**	1527	1524	1529
3	1527	**1530**	1525	1521	1527
4	1527	1529	1523	1519	1527
5	1525	1529	1521	1515	1525
6	1523	1528	1518	1511	1523
7	1520	1527	1514	1507	1520
8	1517	1525	1511	1502	1517
9	1514	1521	1506	1497	1514
10	1510	1516	1502	1492	1510
11	1506	1508	1496	1486	1506
12	1501	1499	1491	1480	1501
13	1496	1490	1484	1473	1496
14	1491	1482	1479	1465	1491
15	1484	1473	1471	1458	1484
16	1478	1462	1464	1450	1478
17	1471	1453	1456	1441	1471
18	1463	1444	1448	1432	1463
19	1456	1434	1440	1424	1456
20	1447	1423	1430	1413	1447
21	1439	1413	1421	1403	1439
22	1429	1402	1411	1392	1429
23	1420	1391	1401	1382	1420
24	1411	1380	1390	1371	1411
25	1400	1369	1379	1359	1400
26	1389	1357	1367	1347	1389
27	1377	1346	1354	1334	1377
28	1366	1333	1343	1321	1366
29	1354	1321	1330	1308	1354
30	1341	1308	1316	1294	1341
31	1328	1296	1302	1280	1328
32	1315	1283	1289	1266	1315
33	1301	1271	1274	1250	1301
34	1287	1257	1259	1235	1287
35	1272	1244	1243	1219	1272
36	1257	1231	1227	1204	1257
37	1242	1217	1212	1187	1242
38	1226	1204	1195	1170	1226
39	1209	1190	1179	1153	1209
40	1193	1176	1161	1135	1193
41	1176	1162	1143	1117	1176
42	1159	1147	1126	1099	1159
43	1140	1133	1107	1080	1140
44	1122	1118	1088	1061	1122
45	1103	1103	1069	1042	1103
46	1084	1089	1050	1022	1084

47	1065	1074	1029	1002	1065
48	1044	1058	1008	981	1044
49	1024	1043	988	960	1024
50	1004	1027	967	939	1004
51	984	1012	945	917	984
52	961	996	923	895	961
53	940	979	900	872	940
54	918	964	877	850	918
55	896	947	854	827	896
56	873	928	830	804	873
57	849	906	805	780	849
58	826	883	781	756	826
59	802	860	756	732	802
60	778	837	732	707	778
61	753	813	706	683	753
62	729	788	680	657	729
63	703	764	654	633	703
64	678	739	629	607	678
65	653	714	602	582	653
66	626	688	576	555	626
67	600	663	549	530	600
68	574	637	523	504	574
69	548	611	496	478	548
70	521	585	469	451	521
71	494	558	442	426	494
72	467	531	415	400	467
73	441	505	389	375	441
74	414	478	362	349	414
75	387	451	336	323	387
76	361	425	310	298	361
77	334	398	284	273	334
78	307	372	259	249	307
79	281	344	234	224	281
80	255	317	210	200	255
81	230	291	187	177	230
82	206	266	163	154	206
83	182	240	141	132	182
84	159	216	120	110	159
85	136	191	99	90	136
86	115	168	80	70	115
87	94	145	62	51	94
88	74	122	44	33	74
89	55	100	28	16	55
90	37	78	15	3	37

Luminaire Report Summary

```
IESNA:LM-63-2002
[TEST]
[TESTDATE] 2023-12-29
[TESTLAB] EVERFINE
[ISSUEDATE] 2024-03-06 01:33:52
[MANUFAC] SARIN Energy
[_TOTALLUMINAIRELUMENS] 4762.5
[_LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-2000B_V1 SYSTEM
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 91, HORIZONTAL ANGLES: 5
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.