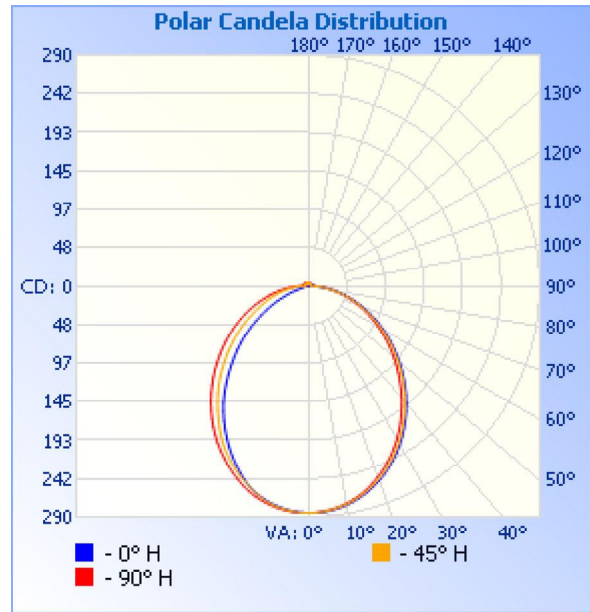


Photometrics Pro

Luminaire Photometric Report

Filename: 5031
Manufacturer: SARIN Energy Solutions
Lamp: WL5031
Lamp Output: 1 lamp, rated Lumens/lamp: 723.3
Max Candela: 285.0 at Horizontal: 315°, Vertical: 2°
Input Wattage: 12.7888
Luminous Opening: Point
Test Lab: EVERFINE
Photometry : Type C
Nema Type: 7 X 7



Roadway Summary

Cutoff Classification:	CUTOFF	
Distribution:	TYPE II, VERY SHORT	
Max Cd, 90 Deg Vert:	6.4	
Max Cd, 80 to <90 Deg:	37.3	
	Lumens	% Lamp
Downward Street Side:	376.5	52%
Downward House Side:	325.2	45%
Downward Total:	701.7	97%
Upward Street Side:	11.2	1.6%
Upward House Side:	10.3	1.4%
Upward Total:	21.5	3%
Total Lumens:	723.2	100%

Flood Summary

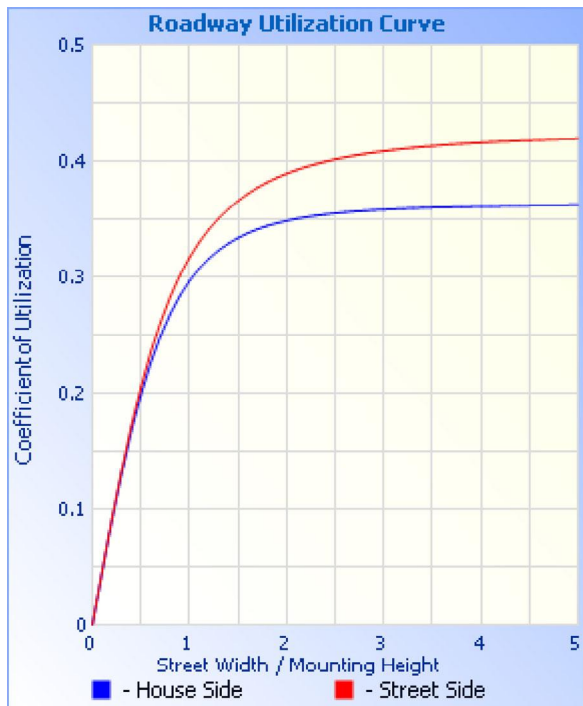
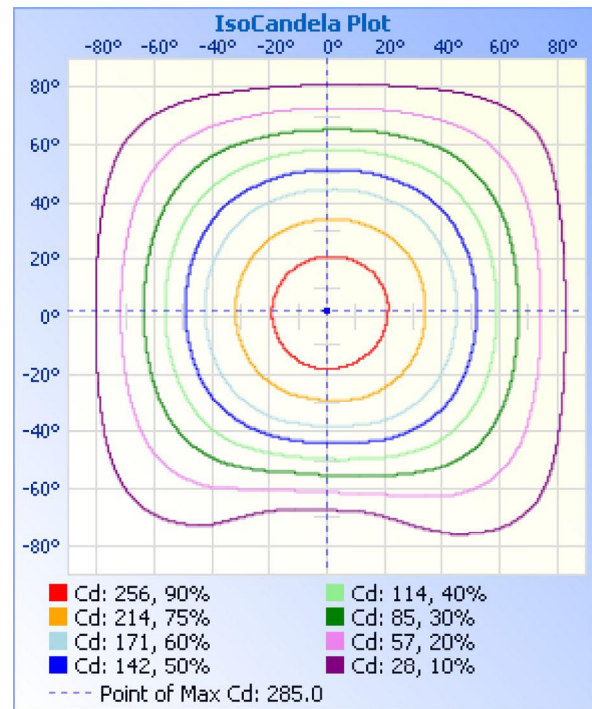
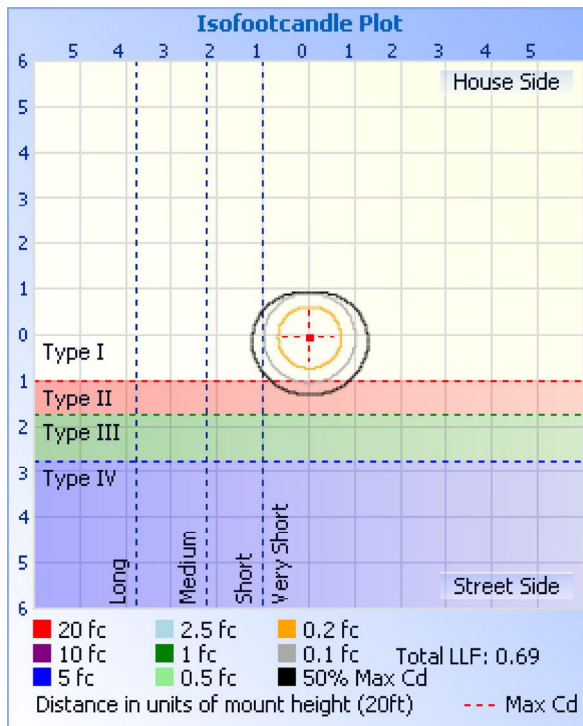
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	94.8%	685.8	163.5	148.1
Beam (50%):	62.9%	455.1	101.2	95.1
Total:	99.9%	722.9		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	212.7	29.4%	29.4%
0-40	339.1	46.9%	46.9%
0-60	566.8	78.4%	78.4%
60-90	134.8	18.6%	18.6%
70-100	63.9	8.8%	8.8%
90-120	11.9	1.6%	1.6%
0-90	701.6	97%	97%
90-180	21.5	3%	3%
0-180	723.1	100%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	26.8	3.7%	90-100	4.5	0.6%
10-20	75.5	10.4%	100-110	4.1	0.6%
20-30	110.4	15.3%	110-120	3.4	0.5%
30-40	126.4	17.5%	120-130	2.9	0.4%
40-50	123.3	17.1%	130-140	2.4	0.3%
50-60	104.4	14.4%	140-150	1.9	0.3%
60-70	75.4	10.4%	150-160	1.4	0.2%
70-80	43.9	6.1%	160-170	0.8	0.1%
80-90	15.6	2.2%	170-180	0.3	0%



Illuminance at a Distance

	Center Beam fc	Beam Width	
2.7R	39.0 fc	5.9 ft	6.6 ft
5.3R	10.1 fc	11.6 ft	12.9 ft
8.0R	4.44 fc	17.5 ft	19.5 ft
10.7R	2.48 fc	23.4 ft	26.1 ft
13.3R	1.61 fc	29.1 ft	32.4 ft
16.0R	1.11 fc	35.0 ft	39.0 ft

Vert. Spread: 95.1°
Horiz. Spread: 101.2°

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	1.18	1.18	1.18	1.18	1.15	1.15	1.15	.97	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1	1.08	1.04	.99	.96	1.05	1.01	.97	.82	.96	.93	.90	.92	.89	.87	.88	.86	.84	.82
2	.99	.91	.84	.79	.96	.89	.83	.70	.85	.80	.75	.81	.77	.73	.78	.74	.71	.69
3	.90	.80	.72	.66	.88	.78	.71	.60	.75	.69	.64	.72	.67	.62	.69	.64	.61	.58

4	.83	.71	.63	.56	.80	.70	.62	.52	.67	.60	.55	.64	.58	.54	.62	.57	.53	.50
5	.76	.64	.55	.49	.74	.63	.54	.46	.60	.53	.48	.58	.52	.47	.56	.50	.46	.44
6	.71	.58	.49	.43	.69	.57	.48	.40	.55	.47	.42	.53	.46	.41	.51	.45	.41	.39
7	.66	.53	.44	.38	.64	.52	.43	.36	.50	.43	.37	.48	.42	.37	.47	.41	.36	.34
8	.61	.48	.40	.34	.60	.47	.39	.33	.46	.39	.33	.44	.38	.33	.43	.37	.33	.31
9	.57	.44	.36	.31	.56	.43	.36	.29	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10	.54	.41	.33	.28	.52	.40	.33	.27	.39	.32	.28	.38	.32	.27	.37	.31	.27	.25

Candela Table - Type C

	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	
0	284	284	284	284	284	284	284	284	284	284	284	284	284	284	284	284	284	284	284	284	284	284	284	284	284	
2	285	285	285	285	285	284	284	284	284	284	284	284	284	284	284	284	285	285	285	285	285	285	285	285	285	285
4	284	284	284	284	284	283	283	283	283	283	283	283	283	283	283	283	284	284	284	284	284	284	284	284	284	284
6	283	283	283	282	282	282	282	282	281	281	281	281	281	281	282	282	282	283	283	283	283	283	283	283	283	283
8	281	281	281	281	280	280	280	279	279	279	279	279	279	279	279	280	280	281	281	281	282	282	282	282	282	281
10	279	279	278	278	277	277	277	276	276	276	276	276	276	276	277	277	278	278	279	279	279	280	279	280	279	279
12	276	276	275	275	274	274	274	273	272	272	272	272	272	272	273	273	274	275	276	276	277	277	277	277	277	276
14	273	273	272	271	271	270	270	269	268	267	267	267	268	268	268	268	270	271	272	273	273	274	273	274	273	273
16	269	269	268	267	266	266	265	264	263	262	262	262	263	262	262	263	265	267	268	269	270	270	270	270	270	269
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20	260	259	258	258	257	256	255	253	252	251	250	250	249	249	250	252	254	256	258	260	261	261	261	261	261	260
22	254	254	253	252	251	250	249	247	246	244	243	242	241	242	244	246	248	250	252	255	256	256	256	256	256	254
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Luminaire Report Summary

IESNA:LM-63-2002
[TEST]
[TESTLAB] EVERFINE
[ISSUEDATE] 2018-10-24 16:26:41
[MANUFAC] SARIN Energy Solutions
[LAMP] WL5031
[_LAMPPOSITION] 0,0
[_TOTALLUMINAIRELUMENS] 723.1
[OTHER] EVERFINE GO-2000B_V1 SYSTEM
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 91, HORIZONTAL ANGLES: 25
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.