

# Photometrics Pro

## Luminaire Photometric Report

**Filename:** UNF - Top Bend Ultra Neon Flex - IES

**Manufacturer:** SARIN Energy

**Lamp Output:** 1 lamp, rated Lumens/lamp: 887.3

**Max Candela:** 280.8 at Horizontal: 0°, Vertical: 0°

**Input Wattage:** 13.9146

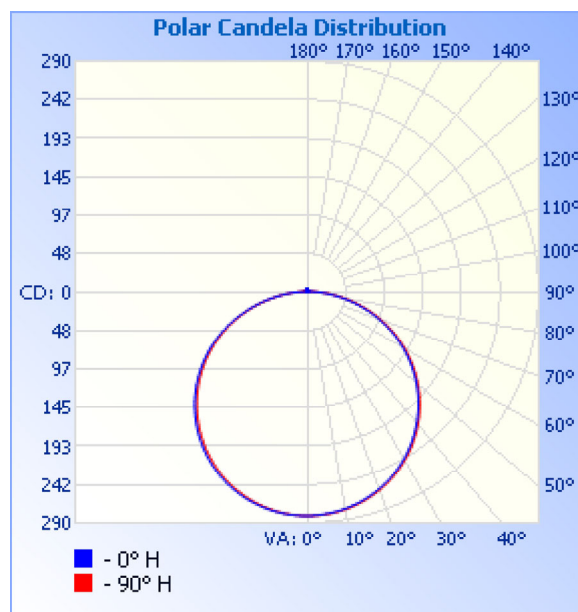
**Luminous Opening:** Rectangle (L: 39.37", W: 0.79")

**Test:** 001

**Test Date:** 2022-02-17

**Photometry :** Type C

**Nema Type:** 7 X 7



### Roadway Summary

Cutoff Classification:	CUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	9.1	
Max Cd, 80 to <90 Deg:	48.1	
	Lumens	% Lamp
Downward Street Side:	435.6	49.1%
Downward House Side:	436.5	49.2%
Downward Total:	872.2	98.3%
Upward Street Side:	7.6	0.9%
Upward House Side:	7.5	0.8%
Upward Total:	15.1	1.7%
<b>Total Lumens:</b>	<b>887.3</b>	<b>100%</b>

### Flood Summary

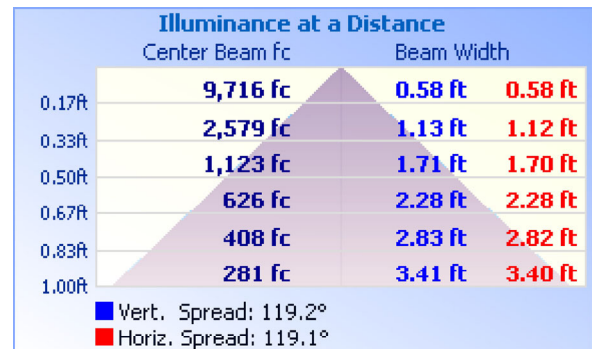
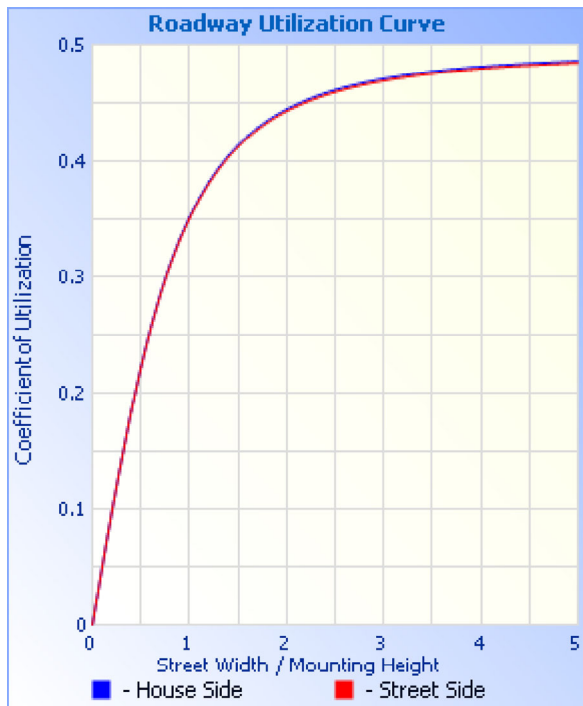
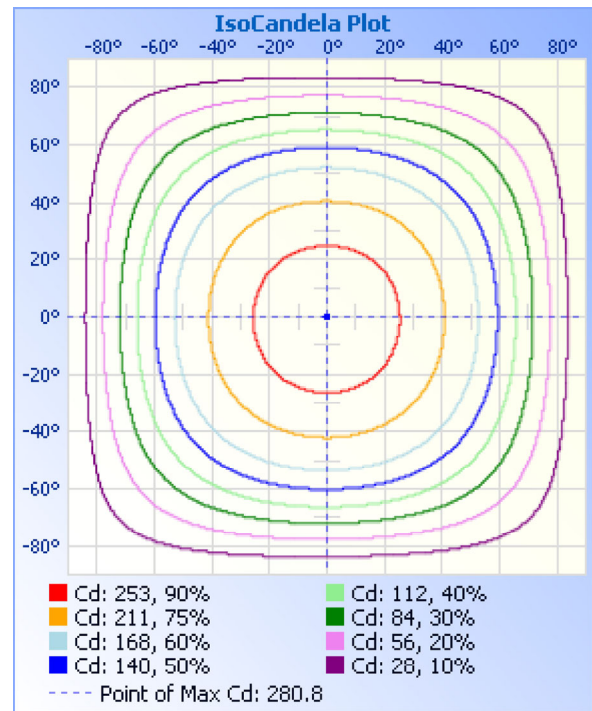
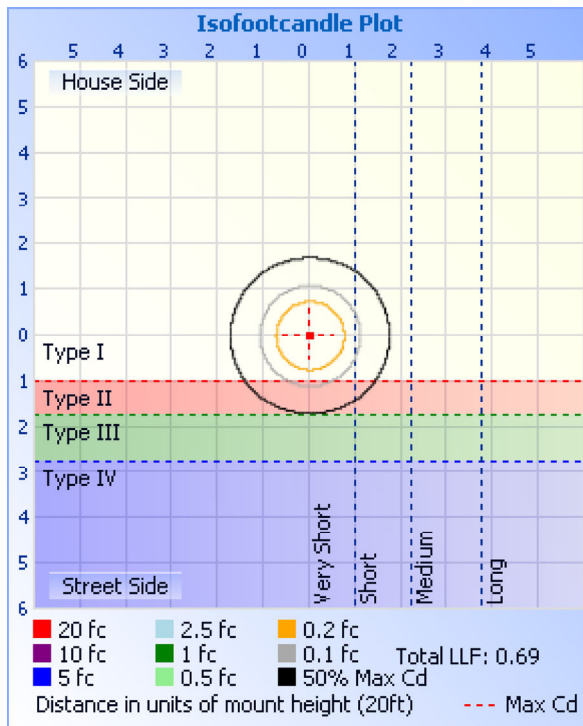
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97%	860.5	167.7	167.1
Beam (50%):	73.7%	653.9	119.1	119.2
<b>Total:</b>	<b>100%</b>	<b>886.9</b>		

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	220.3	24.8%	24.8%
0-40	363.8	41%	41%
0-60	658.8	74.3%	74.3%
60-90	213.3	24%	24%
70-100	101.6	11.4%	11.4%
90-120	7.5	0.8%	0.8%
0-90	872.1	98.3%	98.3%
90-180	15.1	1.7%	1.7%
0-180	887.2	100%	100%

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	26.6	3.0%	90-100	3.2	0.4%
10-20	76.5	8.6%	100-110	2.2	0.2%
20-30	117.1	13.2%	110-120	2.1	0.2%
30-40	143.5	16.2%	120-130	2.0	0.2%
40-50	152.4	17.2%	130-140	1.8	0.2%
50-60	142.6	16.1%	140-150	1.6	0.2%
60-70	114.9	12.9%	150-160	1.2	0.1%
70-80	72.5	8.2%	160-170	0.7	0.1%
80-90	25.9	2.9%	170-180	0.3	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	0	50	30	20	0	50	30	20	0	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	.98	1.10	1.10	1.10	1.10	1.05	1.05	1.05	1.05	1.00	1.00	1.00	1.00	.98
1	1.08	1.02	.98	.94	1.05	1.00	.96	.82	.95	.92	.89	.86	.91	.88	.86	.83	.87	.85	.83	.81	.81
2	.97	.89	.81	.75	.94	.87	.80	.68	.83	.77	.72	.68	.79	.75	.70	.66	.76	.72	.69	.66	.66
3	.88	.77	.69	.62	.86	.76	.68	.57	.72	.66	.60	.57	.69	.64	.59	.55	.67	.62	.58	.55	.55

4	.81	.68	.59	.52	.78	.67	.58	.49	.64	.57	.51	.62	.55	.50	.59	.54	.49	.47
5	.74	.61	.52	.45	.72	.60	.51	.42	.57	.50	.44	.55	.48	.43	.53	.47	.42	.40
6	.68	.55	.45	.39	.66	.54	.45	.37	.52	.44	.38	.50	.43	.38	.48	.42	.37	.35
7	.63	.49	.40	.34	.61	.49	.40	.33	.47	.39	.34	.45	.38	.33	.44	.38	.33	.31
8	.59	.45	.36	.30	.57	.44	.36	.29	.43	.35	.30	.41	.35	.30	.40	.34	.29	.27
9	.55	.41	.33	.27	.53	.41	.33	.26	.39	.32	.27	.38	.31	.27	.37	.31	.26	.25
10	.51	.38	.30	.25	.50	.37	.30	.24	.36	.29	.24	.35	.29	.24	.34	.28	.24	.22

**Candela Table - Type C**

	0	90	180	270	360
0	<b>281</b>	<b>281</b>	<b>281</b>	<b>281</b>	<b>281</b>
1	<b>281</b>	<b>281</b>	<b>281</b>	<b>281</b>	<b>281</b>
2	280	<b>281</b>	<b>281</b>	<b>281</b>	280
3	280	<b>281</b>	<b>281</b>	280	280
4	280	280	280	280	280
5	279	280	280	279	279
6	279	280	280	279	279
7	278	279	279	278	278
8	278	278	278	278	278
9	277	278	278	277	277
10	276	277	277	276	276
11	275	276	276	275	275
12	274	275	275	274	274
13	273	274	274	273	273
14	272	273	273	272	272
15	270	272	272	270	270
16	269	270	271	269	269
17	268	269	269	267	268
18	266	268	268	266	266
19	264	266	266	264	264
20	263	264	265	262	263
21	261	263	263	261	261
22	259	261	261	259	259
23	257	259	259	257	257
24	255	257	257	255	255
25	253	255	255	253	253
26	251	253	253	250	251
27	249	251	251	248	249
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**Luminaire Report Summary**

IESNA:LM-63-2002  
[TEST] 001  
[TESTDATE] 2022-02-17  
[TESTLAB]  
[ISSUEDATE] 2022-02-23 16:23:36  
[MANUFAC] SARIN Energy  
[\_TOTALLUMINAIRELUMENS] 887.2  
[\_LAMPPOSITION] 0,0  
[OTHER] EVERFINE GO-2000B\_V1 SYSTEMGamma(deg) Fz(lm) Ft(lm) %Lum %Lamp0- 10 26.60  
26.60 3.00 3.0010- 20 76.53 103.13 11.62 11.6220- 30 117.14 220.27 24.82 24.8230-  
40 143.54 363.81 41.00 41.0040- 50 152.46 516.27 58.18 58.1850- 60 142.66 658.92  
74.26 74.2660- 70 114.88 773.80 87.21 87.2170- 80 72.50 846.30 95.38 95.3880- 90  
25.88 872.18 98.29 98.2990-100 3.20 875.37 98.65 98.65100-110 2.16 877.54 98.90  
98.90110-120 2.15 879.68 99.14 99.14120-130 2.05 881.73 99.37 99.37130-140 1.85  
883.58 99.58 99.58140-150 1.55 885.13 99.75 99.75150-160 1.18 886.31 99.89  
99.89160-170 0.74 887.05 99.97 99.97170-180 0.26 887.31 100.00 100.00  
FILE: CANDELA MULTIPLIER: 1  
FILE: VERTICAL ANGLES: 181, HORIZONTAL ANGLES: 5  
FILE: COORDINATE SYSTEM: TYPE C  
FILE: UNIT OF MEASURE: STANDARD  
FILE: BALLAST FACTOR: 1

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