

Photometrics Pro

Luminaire Photometric Report

Filename: UNF - Side Bend Ultra Neon Flex - IES

Lamp Output: 1 lamp, rated Lumens/lamp: 347.8

Max Candela: 110.1 at Horizontal: 90°, Vertical: 5°

Input Wattage: 11.178

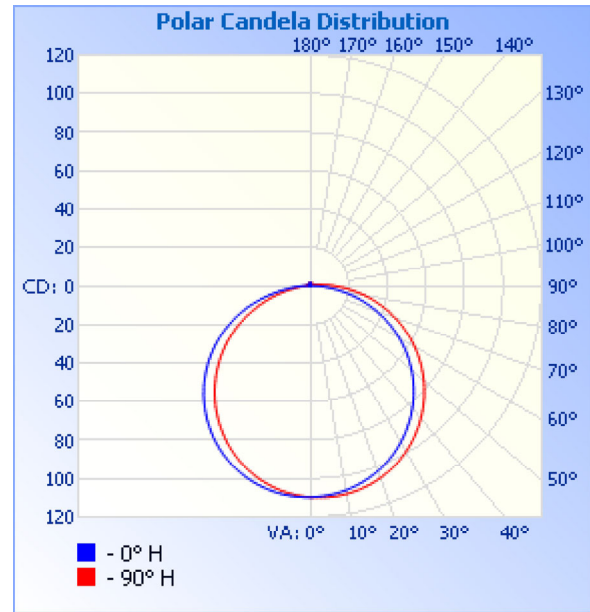
Luminous Opening: Rectangle (L: 39.37", W: 0.79")

Test: 001

Test Date: 2022-02-17

Photometry : Type C

Nema Type: 5 X 7



Roadway Summary

Cutoff Classification:	SEMICUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	12.1	
Max Cd, 80 to <90 Deg:	28.7	
	Lumens	% Lamp
Downward Street Side:	169.4	48.7%
Downward House Side:	170.8	49.1%
Downward Total:	340.2	97.8%
Upward Street Side:	3.8	1.1%
Upward House Side:	3.8	1.1%
Upward Total:	7.6	2.2%
Total Lumens:	347.8	100%

Flood Summary

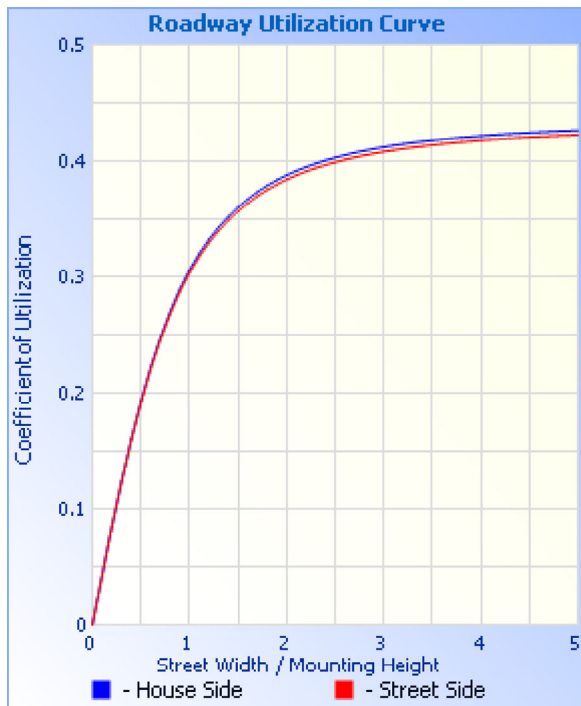
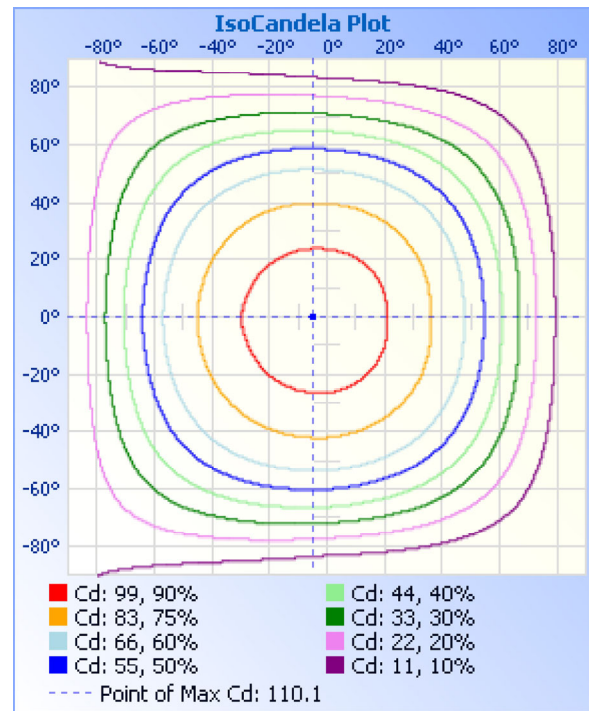
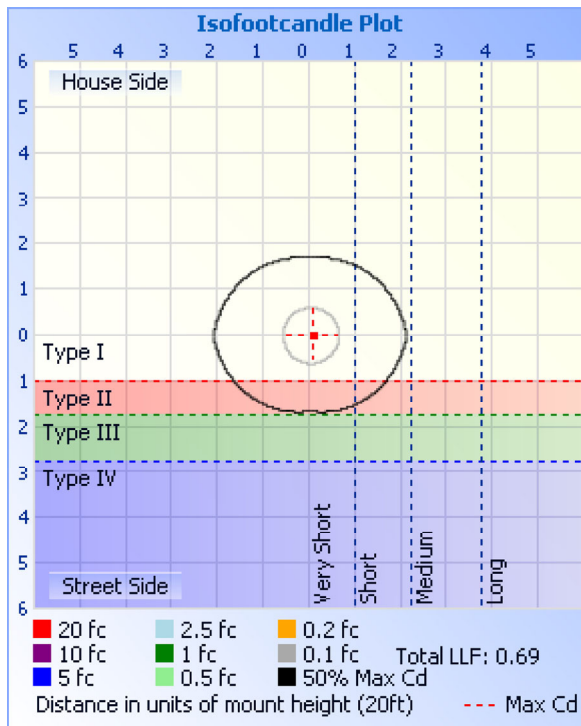
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	96.6%	336.1	83.9	167.2
Beam (50%):	72.8%	253.1	118.6	118.9
Total:	100%	347.7		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	85.9	24.7%	24.7%
0-40	141.7	40.7%	40.7%
0-60	256.0	73.6%	73.6%
60-90	84.2	24.2%	24.2%
70-100	42.1	12.1%	12.1%
90-120	4.6	1.3%	1.3%
0-90	340.2	97.8%	97.8%
90-180	7.6	2.2%	2.2%
0-180	347.8	100%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	10.4	3.0%	90-100	2.5	0.7%
10-20	29.9	8.6%	100-110	1.1	0.3%
20-30	45.6	13.1%	110-120	1.0	0.3%
30-40	55.8	16.0%	120-130	0.9	0.3%
40-50	59.1	17.0%	130-140	0.7	0.2%
50-60	55.2	15.9%	140-150	0.6	0.2%
60-70	44.5	12.8%	150-160	0.4	0.1%
70-80	28.3	8.1%	160-170	0.3	0.1%
80-90	11.4	3.3%	170-180	0.1	0%



Illuminance at a Distance

	Center Beam fc	Beam Width	
0.17ft	3,794 fc	0.58 ft	0.57 ft
0.33ft	1,007 fc	1.12 ft	1.11 ft
0.50ft	439 fc	1.69 ft	1.69 ft
0.67ft	244 fc	2.27 ft	2.26 ft
0.83ft	159 fc	2.81 ft	2.80 ft
1.00ft	110 fc	3.39 ft	3.37 ft

■ Vert. Spread: 118.9°
■ Horiz. Spread: 118.6°

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	1.07	1.02	.98	.93	1.04	1.00	.95	.81	.95	.91	.88	.88	.91	.88	.85	.85	.87	.84	.82	.82	.80
2	.97	.88	.81	.75	.94	.86	.80	.67	.82	.77	.72	.72	.79	.74	.70	.70	.75	.71	.68	.68	.66
3	.88	.77	.69	.62	.86	.75	.68	.57	.72	.65	.60	.60	.69	.63	.58	.58	.66	.61	.57	.57	.55

4	.81	.68	.59	.52	.78	.67	.58	.48	.64	.56	.51	.61	.55	.50	.59	.53	.49	.46
5	.74	.61	.51	.45	.72	.59	.51	.42	.57	.49	.44	.55	.48	.43	.53	.47	.42	.40
6	.68	.55	.45	.39	.66	.53	.45	.37	.51	.44	.38	.49	.43	.37	.48	.42	.37	.35
7	.63	.49	.40	.34	.61	.48	.40	.32	.47	.39	.33	.45	.38	.33	.43	.37	.33	.31
8	.59	.45	.36	.30	.57	.44	.36	.29	.43	.35	.30	.41	.34	.29	.40	.34	.29	.27
9	.55	.41	.33	.27	.53	.41	.33	.26	.39	.32	.27	.38	.31	.27	.37	.31	.26	.24
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	110	110	110	110	110
1	110	110	110	109	110
2	109	110	110	109	109
3	109	110	110	109	109
4	109	110	110	109	109
5	109	110	109	108	109
6	109	110	109	108	109
7	109	110	109	108	109
8	108	110	109	107	108
9	108	110	109	107	108
10	108	110	108	106	108
11	107	109	108	106	107
12	107	109	108	105	107
13	106	109	107	105	106
14	106	109	107	104	106
15	105	108	106	103	105
16	105	108	106	102	105
17	104	107	105	102	104
18	103	107	105	101	103
19	103	107	104	100	103
20	102	106	104	99	102
21	101	105	103	99	101
22	101	105	102	98	101
23	100	104	101	97	100
24	99	104	101	96	99
25	98	103	100	95	98
26	97	102	99	94	97
27	97	102	98	93	97
28	96	101	97	92	96
29	95	100	96	91	95
30	94	99	96	89	94
31	93	98	95	88	93
32	92	97	94	87	92
33	91	97	93	86	91
34	90	96	91	85	90
35	88	95	90	83	88
36	87	94	89	82	87
37	86	93	88	81	86
38	85	92	87	79	85
39	84	90	86	78	84
40	82	89	85	77	82
41	81	88	83	75	81
42	80	87	82	74	80
43	79	86	81	72	79
44	77	85	79	71	77
45	76	83	78	69	76
46	75	82	77	68	75

47	73	81	75	66	73
48	72	80	74	65	72
49	70	78	72	63	70
50	69	77	71	62	69
51	67	76	69	60	67
52	66	74	68	58	66
53	64	73	66	57	64
54	63	71	64	55	63
55	61	70	63	53	61
56	60	68	61	52	60
57	58	67	60	50	58
58	56	65	58	48	56
59	55	64	56	46	55
60	53	62	55	45	53
61	51	61	53	43	51
62	50	59	51	41	50
63	48	58	49	39	48
64	46	56	47	37	46
65	44	54	46	36	44
66	43	53	44	34	43
67	41	51	42	32	41
68	39	50	40	30	39
69	37	48	38	28	37
70	35	46	36	26	35
71	34	44	34	24	34
72	32	43	32	23	32
73	30	41	30	21	30
74	28	39	28	19	28
75	26	38	26	17	26
76	24	36	24	16	24
77	22	34	22	14	22
78	21	32	20	12	21
79	19	30	18	11	19
80	17	29	16	9	17
81	15	27	14	8	15
82	13	25	13	7	13
83	12	23	11	6	12
84	10	22	9	5	10
85	9	20	8	4	9
86	7	18	6	4	7
87	6	17	5	3	6
88	4	15	4	3	4
89	3	14	3	2	3
90	1	12	2	2	1
91	1	11	1	2	1
92	0	9	1	1	0
93	0	8	1	1	0
94	0	7	0	1	0
95	0	6	0	1	0

96	0	5	0	1	0
97	0	5	0	1	0
98	0	4	0	1	0
99	0	3	0	1	0
100	0	3	0	1	0
101	0	3	0	1	0
102	0	3	0	1	0
103	0	2	0	1	0
104	0	2	0	1	0
105	0	2	0	1	0
106	0	2	0	1	0
107	0	2	0	1	0
108	0	2	0	1	0
109	0	2	0	1	0
110	0	2	0	1	0
111	0	2	0	1	0
112	1	2	0	1	1
113	1	2	0	1	1
114	1	2	0	1	1
115	1	2	0	1	1
116	1	2	0	1	1
117	1	2	1	1	1
118	1	2	1	1	1
119	1	2	1	1	1
120	1	2	1	1	1
121	1	2	1	1	1
122	1	2	1	1	1
123	1	2	1	1	1
124	1	2	1	1	1
125	1	2	1	1	1
126	1	1	1	1	1
127	1	1	1	1	1
128	1	1	1	1	1
129	1	1	1	1	1
130	1	1	1	1	1
131	1	1	1	1	1
132	1	1	1	1	1
133	1	1	1	1	1
134	1	1	1	1	1
135	1	1	1	1	1
136	1	1	1	1	1
137	1	1	1	1	1
138	1	1	1	1	1
139	1	1	1	1	1
140	1	1	1	1	1
141	1	1	1	1	1
142	1	1	1	1	1
143	1	1	1	1	1
144	1	1	1	1	1

145	1	1	1	1	1
146	1	1	1	1	1
147	1	1	1	1	1
148	1	1	1	1	1
149	1	1	1	1	1
150	1	1	1	1	1
151	1	1	1	1	1
152	1	1	1	1	1
153	1	1	1	1	1
154	1	1	1	1	1
155	1	1	1	1	1
156	1	1	1	1	1
157	1	1	1	1	1
158	1	1	1	1	1
159	1	1	1	1	1
160	1	1	1	1	1
161	1	1	1	1	1
162	1	1	1	1	1
163	1	1	1	1	1
164	1	1	1	1	1
165	1	1	1	1	1
166	1	1	1	1	1
167	1	1	1	1	1
168	1	1	1	1	1
169	1	1	1	1	1
170	1	1	1	1	1
171	1	1	1	1	1
172	1	1	1	1	1
173	1	1	1	1	1
174	1	1	1	1	1
175	1	1	1	1	1
176	1	1	1	1	1
177	1	1	1	1	1
178	1	1	1	1	1
179	1	1	1	1	1
180	1	1	1	1	1

Luminaire Report Summary

IESNA:LM-63-2002
[TEST] 001
[TESTDATE] 2022-02-17
[TESTLAB]
[ISSUEDATE] 2022-02-23 16:24:34
[MANUFAC]
[_LAMPPOSITION] 0,0
[_TOTALLUMINAIRELUMENS] 347.8
[OTHER] EVERFINE GO-2000B_V1 SYSTEMGamma(deg) Fz(lm) Ft(lm) %Lum %Lamp0- 10 10.38
10.38 2.99 2.9910- 20 29.86 40.25 11.57 11.5720- 30 45.64 85.89 24.69 24.6930- 40
55.80 141.69 40.74 40.7440- 50 59.14 200.83 57.74 57.7450- 60 55.24 256.07 73.62
73.6260- 70 44.49 300.56 86.41 86.4170- 80 28.29 328.85 94.55 94.5580- 90 11.38
340.23 97.82 97.8290-100 2.48 342.71 98.53 98.53100-110 1.15 343.85 98.86
98.86110-120 1.01 344.87 99.15 99.15120-130 0.88 345.75 99.40 99.40130-140 0.73
346.48 99.61 99.61140-150 0.57 347.05 99.78 99.78150-160 0.42 347.47 99.90
99.90160-170 0.26 347.73 99.97 99.97170-180 0.09 347.82 100.00 100.00
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

Photometrics Pro 1.3.29 copyright 2003-2022 by jSolutions, Inc.
Reported data calculated from manufacturer's data file, based on IES recommended methods.