

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P567813

Luminaire Tested: **8SNX-44SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567813
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-44SL-SLW-UNV-L850-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

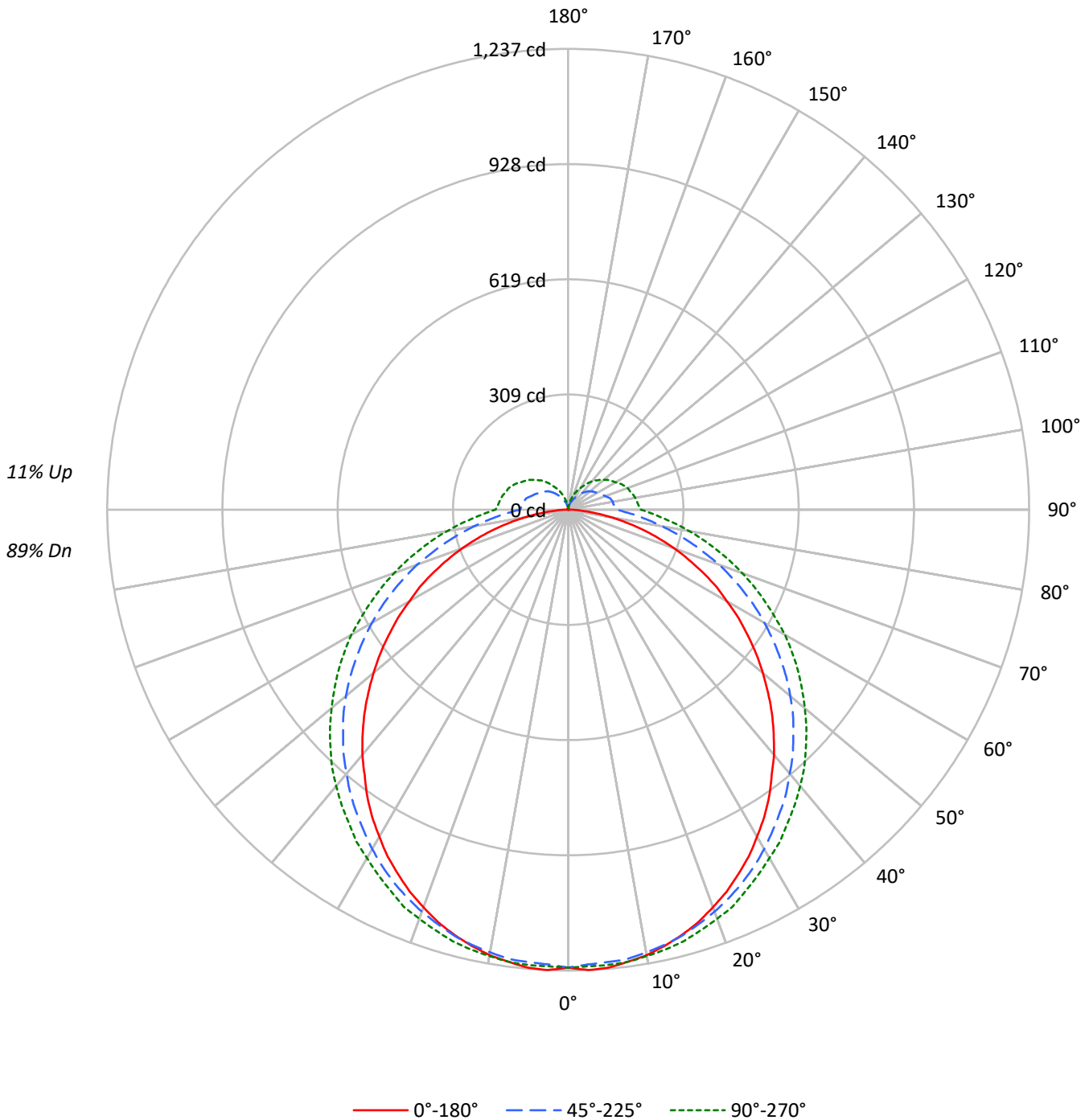
Lumens per Lamp: N/A
Luminaire Lumens: 4376.0 lumens
Efficiency: N/A
Efficacy: 158.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 27.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6616	6616	6616
5°	6662	6450	6440
10°	6622	6323	6281
15°	6563	6193	6134
20°	6479	6043	5970
25°	6381	5896	5799
30°	6263	5735	5631
35°	6133	5567	5472
40°	5984	5402	5320
45°	5823	5234	5156
50°	5639	5056	4972
55°	5437	4842	4791
60°	5199	4613	4590
65°	4957	4356	4336
70°	4614	4072	4088
75°	4160	3710	3813
80°	3413	3344	3542
85°	2517	3033	3263



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.8	2.7
10°-20°	335.6	7.7
20°-30°	510.3	11.7
30°-40°	619.4	14.2
40°-50°	654.6	15.0
50°-60°	612.5	14.0
60°-70°	502.6	11.5
70°-80°	345.7	7.9
80°-90°	189.3	4.3
90°-100°	121.9	2.8
100°-110°	109.4	2.5
110°-120°	90.5	2.1
120°-130°	69.7	1.6
130°-140°	49.0	1.1
140°-150°	29.5	0.7
150°-160°	14.1	0.3
160°-170°	4.6	0.1
170°-180°	0.6	0.0
0°-30°	962.6	22.0
0°-40°	1582.0	36.2
0°-60°	2849.1	65.1
0°-90°	3886.6	88.8
90°-120°	321.8	7.4
90°-150°	470.0	10.7
90°-180°	489.0	11.2
0°-180°	4376.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1229	1229	1229	1229	1229	
5°	1234	1232	1219	1229	1227	117
15°	1181	1186	1184	1199	1199	333
25°	1080	1092	1105	1128	1128	498
35°	940	963	991	1019	1026	587
45°	773	808	854	892	902	596
55°	588	636	694	738	753	526
65°	398	451	520	568	583	394
75°	208	264	340	393	411	219
85°	46	109	185	236	253	53
90°	0	61	129	177	195	3
95°	0	58	124	170	188	0
105°	0	48	117	160	175	2
115°	2	43	99	142	160	2
125°	2	36	84	122	137	2
135°	2	28	68	99	112	2
145°	2	20	48	76	84	2
155°	2	13	30	48	56	1
165°	2	8	15	23	28	1
175°	2	2	5	5	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1229.2	1229.2	1229.2	1229.2	1229.2
2.5°	1236.8	1234.3	1221.6	1231.8	1226.7
5°	1234.3	1231.8	1219.1	1229.2	1226.7
7.5°	1224.2	1224.2	1216.6	1226.7	1224.2
10°	1214.0	1214.0	1206.4	1219.1	1216.6
12.5°	1198.8	1201.3	1196.3	1211.5	1209.0
15°	1181.1	1186.1	1183.6	1198.8	1198.8
17.5°	1160.8	1165.9	1165.9	1183.6	1183.6
20°	1135.5	1143.1	1148.1	1168.4	1168.4
22.5°	1110.1	1120.2	1127.8	1145.6	1153.2
25°	1079.7	1092.4	1105.0	1127.8	1127.8
27.5°	1049.3	1064.5	1079.7	1102.5	1105.0
30°	1013.8	1031.5	1051.8	1074.6	1079.7
32.5°	978.3	1001.1	1021.4	1049.3	1056.9
35°	940.3	963.1	991.0	1018.9	1026.5
37.5°	897.2	925.1	960.6	991.0	998.6
40°	859.2	889.6	925.1	960.6	968.2
42.5°	816.1	849.1	892.1	925.1	937.8
45°	773.0	808.5	854.1	892.1	902.3
47.5°	727.4	768.0	818.6	854.1	866.8
50°	681.8	724.9	778.1	818.6	828.8
52.5°	636.2	681.8	737.5	778.1	790.8
55°	588.0	636.2	694.5	737.5	752.7
57.5°	542.4	590.5	651.4	697.0	712.2
60°	491.7	547.5	608.3	653.9	671.6
62.5°	448.6	499.3	565.2	610.8	626.0
65°	397.9	451.1	519.6	567.7	582.9
67.5°	349.8	405.5	474.0	524.6	539.8
70°	301.6	357.4	430.9	479.0	496.8
72.5°	253.4	311.7	382.7	435.9	453.7
75°	207.8	263.6	339.6	392.8	410.6
77.5°	159.7	220.5	296.5	349.8	370.0
80°	116.6	179.9	256.0	309.2	329.5
82.5°	78.6	141.9	218.0	271.2	291.5
85°	45.6	109.0	185.0	235.7	253.4
87.5°	22.8	83.6	154.6	205.3	223.0
90°	0.0	60.8	129.3	177.4	195.2
92.5°	0.0	58.3	126.7	172.3	190.1
95°	0.0	58.3	124.2	169.8	187.6
97.5°	0.0	55.8	121.7	169.8	185.0
100°	0.0	53.2	121.7	167.3	182.5
102.5°	0.0	50.7	119.1	164.7	179.9
105°	0.0	48.2	116.6	159.7	174.9
107.5°	2.5	48.2	111.5	157.1	172.3
110°	2.5	45.6	106.4	154.6	169.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	43.1	101.4	149.5	164.7
115°	2.5	43.1	98.8	141.9	159.7
117.5°	2.5	40.6	93.8	136.9	154.6
120°	2.5	40.6	91.2	131.8	147.0
122.5°	2.5	38.0	86.2	126.7	141.9
125°	2.5	35.5	83.6	121.7	136.9
127.5°	2.5	32.9	81.1	116.6	131.8
130°	2.5	30.4	76.0	111.5	124.2
132.5°	2.5	30.4	73.5	103.9	119.1
135°	2.5	27.9	68.4	98.8	111.5
137.5°	2.5	25.3	63.4	93.8	106.4
140°	2.5	22.8	58.3	88.7	98.8
142.5°	2.5	22.8	53.2	81.1	91.2
145°	2.5	20.3	48.2	76.0	83.6
147.5°	2.5	17.7	43.1	68.4	76.0
150°	2.5	17.7	38.0	60.8	68.4
152.5°	2.5	15.2	32.9	55.8	63.4
155°	2.5	12.7	30.4	48.2	55.8
157.5°	2.5	12.7	25.3	40.6	48.2
160°	2.5	10.1	22.8	32.9	40.6
162.5°	2.5	10.1	20.3	27.9	35.5
165°	2.5	7.6	15.2	22.8	27.9
167.5°	2.5	7.6	12.7	17.7	22.8
170°	2.5	5.1	10.1	12.7	17.7
172.5°	2.5	5.1	7.6	7.6	7.6
175°	2.5	2.5	5.1	5.1	2.5
177.5°	2.5	2.5	2.5	2.5	2.5
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)