

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: P567804

Luminaire Tested: **8SNX-44SL-LW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567804
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-LW-UNV-L840-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

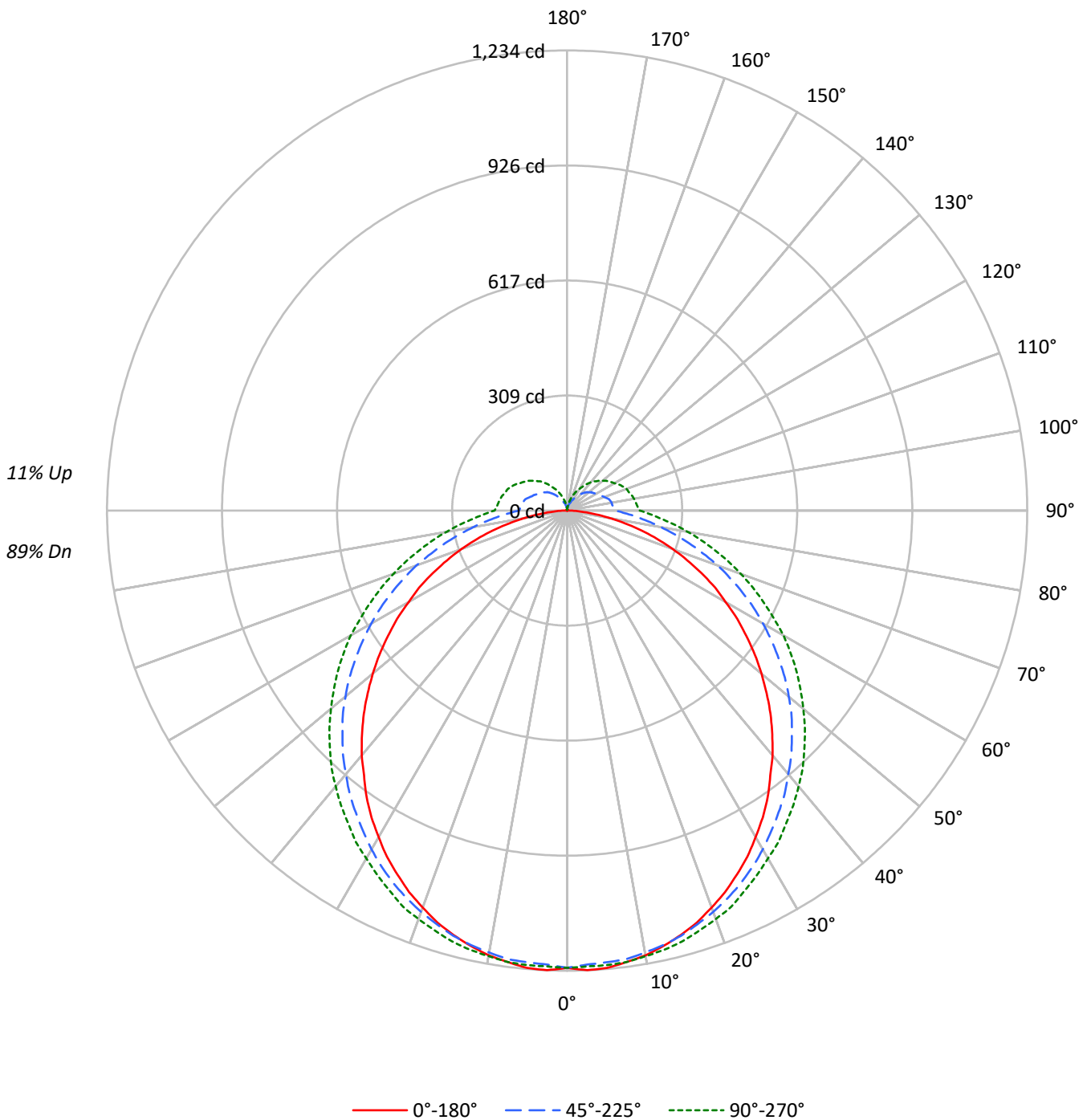
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4365.0 lumens
Efficiency: N/A
Efficacy: 158.2 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: 0.17')
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°	6599	6599	6599
5°	6639	6301	6246
10°	6594	6057	5934
15°	6528	5820	5653
20°	6438	5573	5372
25°	6334	5336	5096
30°	6209	5091	4833
35°	6074	4845	4586
40°	5918	4605	4351
45°	5749	4363	4110
50°	5556	4114	3857
55°	5344	3836	3609
60°	5096	3545	3347
65°	4838	3231	3048
70°	4477	2896	2754
75°	4000	2503	2442
80°	3224	2106	2131
85°	2269	1739	1811



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.5	2.7
10°-20°	334.7	7.7
20°-30°	509.0	11.7
30°-40°	617.9	14.2
40°-50°	652.9	15.0
50°-60°	611.0	14.0
60°-70°	501.3	11.5
70°-80°	344.8	7.9
80°-90°	188.8	4.3
90°-100°	121.6	2.8
100°-110°	109.1	2.5
110°-120°	90.3	2.1
120°-130°	69.5	1.6
130°-140°	48.9	1.1
140°-150°	29.4	0.7
150°-160°	14.1	0.3
160°-170°	4.6	0.1
170°-180°	0.6	0.0
0°-30°	960.2	22.0
0°-40°	1578.1	36.2
0°-60°	2842.0	65.1
0°-90°	3876.9	88.8
90°-120°	321.0	7.4
90°-150°	468.8	10.7
90°-180°	488.0	11.2
0°-180°	4365.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1226	1226	1226	1226	1226	
5°	1231	1229	1216	1226	1224	117
15°	1178	1183	1181	1196	1196	332
25°	1077	1090	1102	1125	1125	496
35°	938	961	988	1016	1024	586
45°	771	806	852	890	900	594
55°	586	635	693	736	751	525
65°	397	450	518	566	582	393
75°	207	263	339	392	410	218
85°	46	109	185	235	253	53
90°	0	61	129	177	195	3
95°	0	58	124	169	187	0
105°	0	48	116	159	174	2
115°	2	43	99	142	159	2
125°	2	35	83	121	136	2
135°	2	28	68	99	111	2
145°	2	20	48	76	83	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°	1226.1	1226.1	1226.1	1226.1	1226.1
2.5°	1233.7	1231.2	1218.6	1228.7	1223.6
5°	1231.2	1228.7	1216.0	1226.1	1223.6
7.5°	1221.1	1221.1	1213.5	1223.6	1221.1
10°	1211.0	1211.0	1203.4	1216.0	1213.5
12.5°	1195.8	1198.3	1193.3	1208.4	1205.9
15°	1178.1	1183.2	1180.6	1195.8	1195.8
17.5°	1157.9	1162.9	1162.9	1180.6	1180.6
20°	1132.6	1140.2	1145.2	1165.5	1165.5
22.5°	1107.3	1117.4	1125.0	1142.7	1150.3
25°	1077.0	1089.6	1102.3	1125.0	1125.0
27.5°	1046.6	1061.8	1077.0	1099.7	1102.3
30°	1011.2	1028.9	1049.2	1071.9	1077.0
32.5°	975.9	998.6	1018.8	1046.6	1054.2
35°	937.9	960.7	988.5	1016.3	1023.9
37.5°	895.0	922.8	958.2	988.5	996.1
40°	857.0	887.4	922.8	958.2	965.7
42.5°	814.1	846.9	889.9	922.8	935.4
45°	771.1	806.5	852.0	889.9	900.0
47.5°	725.6	766.0	816.6	852.0	864.6
50°	680.1	723.0	776.1	816.6	826.7
52.5°	634.6	680.1	735.7	776.1	788.8
55°	586.5	634.6	692.7	735.7	750.9
57.5°	541.0	589.1	649.7	695.2	710.4
60°	490.5	546.1	606.7	652.3	670.0
62.5°	447.5	498.0	563.8	609.3	624.4
65°	396.9	450.0	518.3	566.3	581.5
67.5°	348.9	404.5	472.8	523.3	538.5
70°	300.8	356.5	429.8	477.8	495.5
72.5°	252.8	311.0	381.7	434.8	452.5
75°	207.3	262.9	338.8	391.9	409.6
77.5°	159.3	219.9	295.8	348.9	369.1
80°	116.3	179.5	255.3	308.4	328.7
82.5°	78.4	141.6	217.4	270.5	290.7
85°	45.5	108.7	184.6	235.1	252.8
87.5°	22.8	83.4	154.2	204.8	222.5
90°	0.0	60.7	128.9	177.0	194.7
92.5°	0.0	58.1	126.4	171.9	189.6
95°	0.0	58.1	123.9	169.4	187.1
97.5°	0.0	55.6	121.3	169.4	184.6
100°	0.0	53.1	121.3	166.9	182.0
102.5°	0.0	50.6	118.8	164.3	179.5
105°	0.0	48.0	116.3	159.3	174.4
107.5°	2.5	48.0	111.2	156.7	171.9
110°	2.5	45.5	106.2	154.2	169.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	43.0	101.1	149.2	164.3
115°	2.5	43.0	98.6	141.6	159.3
117.5°	2.5	40.4	93.5	136.5	154.2
120°	2.5	40.4	91.0	131.5	146.6
122.5°	2.5	37.9	86.0	126.4	141.6
125°	2.5	35.4	83.4	121.3	136.5
127.5°	2.5	32.9	80.9	116.3	131.5
130°	2.5	30.3	75.8	111.2	123.9
132.5°	2.5	30.3	73.3	103.7	118.8
135°	2.5	27.8	68.3	98.6	111.2
137.5°	2.5	25.3	63.2	93.5	106.2
140°	2.5	22.8	58.1	88.5	98.6
142.5°	2.5	22.8	53.1	80.9	91.0
145°	2.5	20.2	48.0	75.8	83.4
147.5°	2.5	17.7	43.0	68.3	75.8
150°	2.5	17.7	37.9	60.7	68.3
152.5°	2.5	15.2	32.9	55.6	63.2
155°	2.5	12.6	30.3	48.0	55.6
157.5°	2.5	12.6	25.3	40.4	48.0
160°	2.5	10.1	22.8	32.9	40.4
162.5°	2.5	10.1	20.2	27.8	35.4
165°	2.5	7.6	15.2	22.8	27.8
167.5°	2.5	7.6	12.6	17.7	22.8
170°	2.5	5.1	10.1	12.6	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)