

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: P567811

Luminaire Tested: **8SNX-44SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567811
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-L835-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

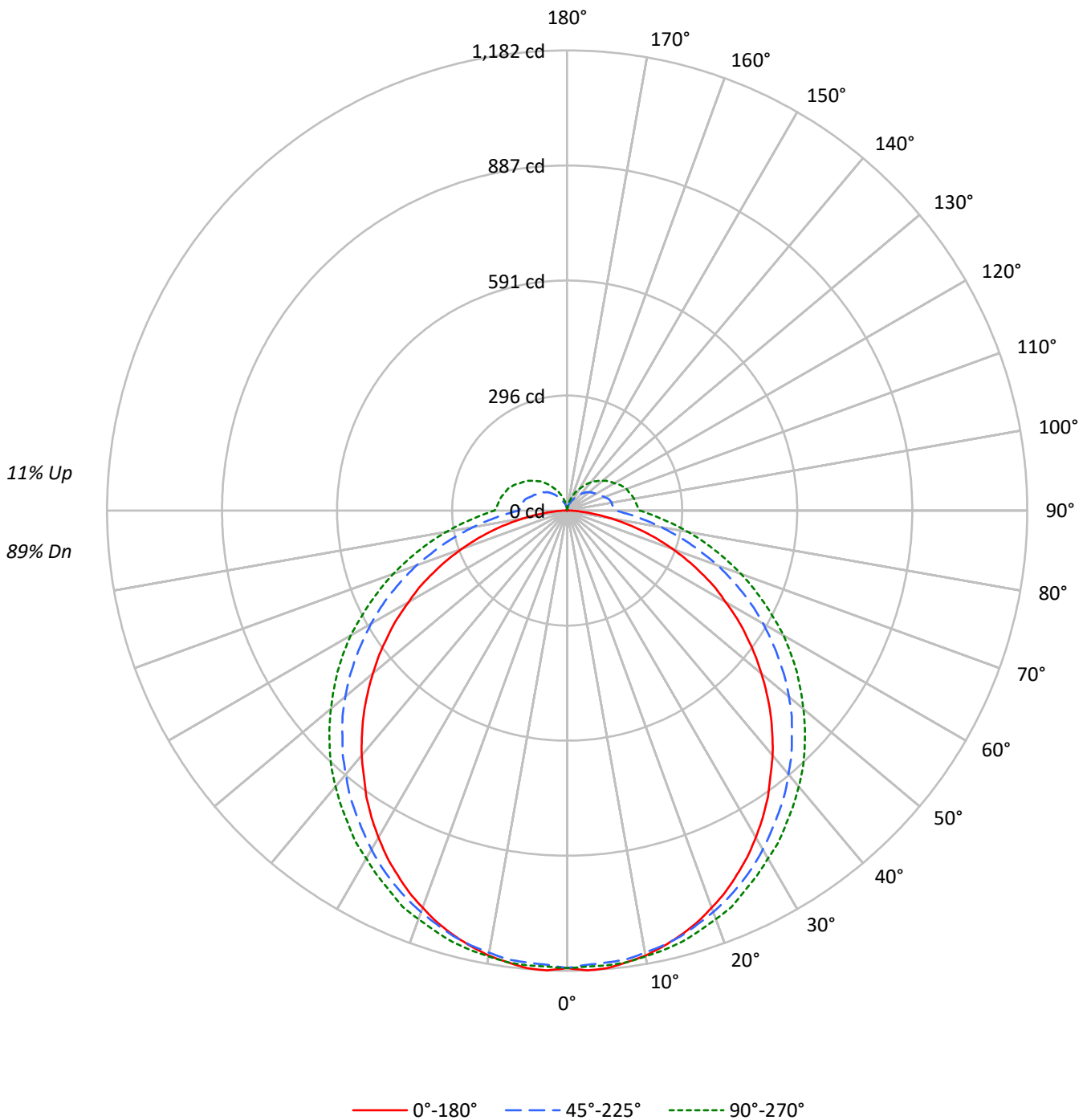
Lumens per Lamp: N/A
Luminaire Lumens: 4183.0 lumens
Efficiency: N/A
Efficacy: 151.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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°	6324	6324	6324
5°	6369	6165	6156
10°	6331	6044	6004
15°	6273	5920	5863
20°	6193	5777	5707
25°	6099	5636	5544
30°	5987	5482	5382
35°	5863	5322	5231
40°	5720	5164	5086
45°	5566	5003	4928
50°	5390	4833	4753
55°	5197	4628	4580
60°	4970	4410	4387
65°	4739	4164	4145
70°	4411	3892	3908
75°	3978	3546	3645
80°	3261	3196	3387
85°	2407	2900	3121



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.6	2.7
10°-20°	320.8	7.7
20°-30°	487.8	11.7
30°-40°	592.1	14.2
40°-50°	625.7	15.0
50°-60°	585.5	14.0
60°-70°	480.4	11.5
70°-80°	330.4	7.9
80°-90°	181.0	4.3
90°-100°	116.5	2.8
100°-110°	104.6	2.5
110°-120°	86.5	2.1
120°-130°	66.6	1.6
130°-140°	46.8	1.1
140°-150°	28.2	0.7
150°-160°	13.5	0.3
160°-170°	4.4	0.1
170°-180°	0.5	0.0
0°-30°	920.2	22.0
0°-40°	1512.3	36.2
0°-60°	2723.4	65.1
0°-90°	3715.2	88.8
90°-120°	307.6	7.4
90°-150°	449.3	10.7
90°-180°	468.0	11.2
0°-180°	4183.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1175	1175	1175	1175	1175	
5°	1180	1177	1165	1175	1173	112
15°	1129	1134	1131	1146	1146	318
25°	1032	1044	1056	1078	1078	476
35°	899	921	947	974	981	561
45°	739	773	816	853	862	570
55°	562	608	664	705	720	503
65°	380	431	497	543	557	377
75°	199	252	325	376	392	209
85°	44	104	177	225	242	50
90°	0	58	124	170	186	3
95°	0	56	119	162	179	0
105°	0	46	111	153	167	2
115°	2	41	94	136	153	2
125°	2	34	80	116	131	2
135°	2	27	65	94	107	2
145°	2	19	46	73	80	2
155°	2	12	29	46	53	1
165°	2	7	14	22	27	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°	1175.0	1175.0	1175.0	1175.0	1175.0
2.5°	1182.3	1179.9	1167.7	1177.4	1172.6
5°	1179.9	1177.4	1165.3	1175.0	1172.6
7.5°	1170.2	1170.2	1162.9	1172.6	1170.2
10°	1160.5	1160.5	1153.2	1165.3	1162.9
12.5°	1145.9	1148.4	1143.5	1158.1	1155.6
15°	1129.0	1133.8	1131.4	1145.9	1145.9
17.5°	1109.6	1114.4	1114.4	1131.4	1131.4
20°	1085.4	1092.6	1097.5	1116.9	1116.9
22.5°	1061.1	1070.8	1078.1	1095.1	1102.3
25°	1032.1	1044.2	1056.3	1078.1	1078.1
27.5°	1003.0	1017.5	1032.1	1053.9	1056.3
30°	969.1	986.0	1005.4	1027.2	1032.1
32.5°	935.2	957.0	976.4	1003.0	1010.3
35°	898.8	920.6	947.3	973.9	981.2
37.5°	857.6	884.3	918.2	947.3	954.5
40°	821.3	850.4	884.3	918.2	925.5
42.5°	780.1	811.6	852.8	884.3	896.4
45°	738.9	772.8	816.5	852.8	862.5
47.5°	695.3	734.1	782.5	816.5	828.6
50°	651.7	692.9	743.8	782.5	792.2
52.5°	608.1	651.7	705.0	743.8	755.9
55°	562.1	608.1	663.8	705.0	719.5
57.5°	518.5	564.5	622.6	666.2	680.8
60°	470.0	523.3	581.5	625.1	642.0
62.5°	428.8	477.3	540.3	583.9	598.4
65°	380.4	431.2	496.7	542.7	557.2
67.5°	334.3	387.6	453.0	501.5	516.0
70°	288.3	341.6	411.9	457.9	474.9
72.5°	242.3	298.0	365.8	416.7	433.7
75°	198.7	252.0	324.6	375.5	392.5
77.5°	152.6	210.8	283.5	334.3	353.7
80°	111.4	172.0	244.7	295.6	315.0
82.5°	75.1	135.7	208.4	259.2	278.6
85°	43.6	104.2	176.9	225.3	242.3
87.5°	21.8	79.9	147.8	196.2	213.2
90°	0.0	58.1	123.6	169.6	186.5
92.5°	0.0	55.7	121.1	164.7	181.7
95°	0.0	55.7	118.7	162.3	179.3
97.5°	0.0	53.3	116.3	162.3	176.9
100°	0.0	50.9	116.3	159.9	174.4
102.5°	0.0	48.5	113.9	157.5	172.0
105°	0.0	46.0	111.4	152.6	167.2
107.5°	2.4	46.0	106.6	150.2	164.7
110°	2.4	43.6	101.8	147.8	162.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	41.2	96.9	142.9	157.5
115°	2.4	41.2	94.5	135.7	152.6
117.5°	2.4	38.8	89.6	130.8	147.8
120°	2.4	38.8	87.2	126.0	140.5
122.5°	2.4	36.3	82.4	121.1	135.7
125°	2.4	33.9	79.9	116.3	130.8
127.5°	2.4	31.5	77.5	111.4	126.0
130°	2.4	29.1	72.7	106.6	118.7
132.5°	2.4	29.1	70.3	99.3	113.9
135°	2.4	26.6	65.4	94.5	106.6
137.5°	2.4	24.2	60.6	89.6	101.8
140°	2.4	21.8	55.7	84.8	94.5
142.5°	2.4	21.8	50.9	77.5	87.2
145°	2.4	19.4	46.0	72.7	79.9
147.5°	2.4	17.0	41.2	65.4	72.7
150°	2.4	17.0	36.3	58.1	65.4
152.5°	2.4	14.5	31.5	53.3	60.6
155°	2.4	12.1	29.1	46.0	53.3
157.5°	2.4	12.1	24.2	38.8	46.0
160°	2.4	9.7	21.8	31.5	38.8
162.5°	2.4	9.7	19.4	26.6	33.9
165°	2.4	7.3	14.5	21.8	26.6
167.5°	2.4	7.3	12.1	17.0	21.8
170°	2.4	4.8	9.7	12.1	17.0
172.5°	2.4	4.8	7.3	7.3	7.3
175°	2.4	2.4	4.8	4.8	2.4
177.5°	2.4	2.4	2.4	2.4	2.4
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)