

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: P567812

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567812
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-L840-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

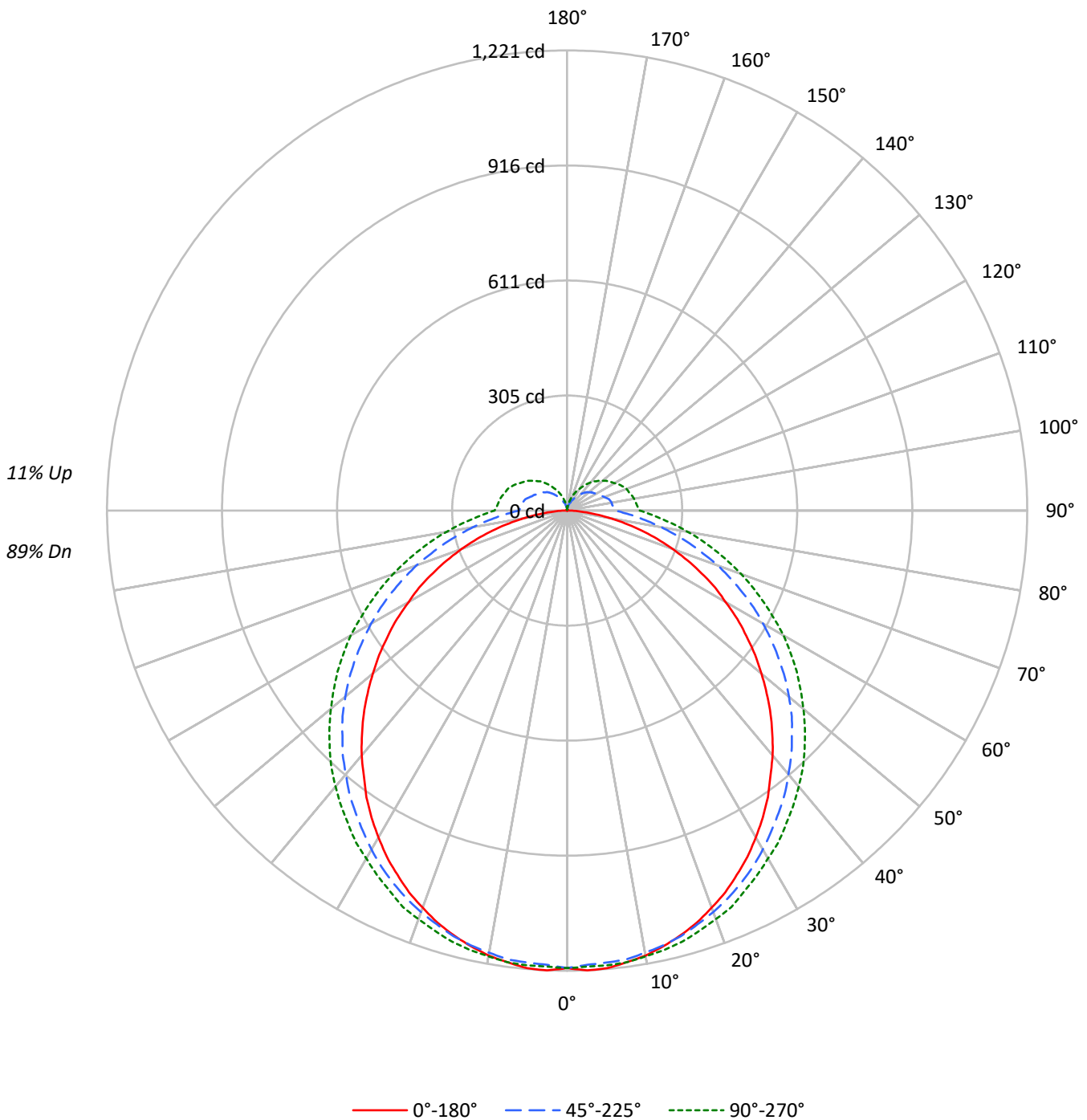
Lumens per Lamp: N/A
Luminaire Lumens: 4321.0 lumens
Efficiency: N/A
Efficacy: 156.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 27.6
Input Voltage (V): NR
Input Current (A_{in}): 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°	6533	6533	6533
5°	6579	6369	6359
10°	6539	6244	6202
15°	6480	6115	6057
20°	6397	5967	5895
25°	6300	5822	5727
30°	6184	5663	5560
35°	6056	5497	5403
40°	5909	5334	5253
45°	5750	5168	5091
50°	5568	4992	4910
55°	5368	4781	4731
60°	5134	4555	4532
65°	4895	4300	4282
70°	4556	4020	4036
75°	4108	3664	3765
80°	3369	3302	3497
85°	2484	2995	3224



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.3	2.7
10°-20°	331.4	7.7
20°-30°	503.9	11.7
30°-40°	611.6	14.2
40°-50°	646.3	15.0
50°-60°	604.8	14.0
60°-70°	496.2	11.5
70°-80°	341.3	7.9
80°-90°	186.9	4.3
90°-100°	120.4	2.8
100°-110°	108.0	2.5
110°-120°	89.4	2.1
120°-130°	68.8	1.6
130°-140°	48.4	1.1
140°-150°	29.2	0.7
150°-160°	14.0	0.3
160°-170°	4.6	0.1
170°-180°	0.5	0.0
0°-30°	950.5	22.0
0°-40°	1562.2	36.2
0°-60°	2813.3	65.1
0°-90°	3837.8	88.8
90°-120°	317.8	7.4
90°-150°	464.1	10.7
90°-180°	483.0	11.2
0°-180°	4321.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1214	1214	1214	1214	1214	
5°	1219	1216	1204	1214	1211	116
15°	1166	1171	1169	1184	1184	329
25°	1066	1079	1091	1114	1114	491
35°	928	951	978	1006	1014	580
45°	763	798	843	881	891	588
55°	581	628	686	728	743	520
65°	393	446	513	561	576	389
75°	205	260	335	388	405	216
85°	45	108	183	233	250	52
90°	0	60	128	175	193	3
95°	0	58	123	168	185	0
105°	0	48	115	158	173	2
115°	2	42	98	140	158	2
125°	2	35	83	120	135	2
135°	2	28	68	98	110	2
145°	2	20	48	75	83	2
155°	2	12	30	48	55	1
165°	2	8	15	22	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°	1213.8	1213.8	1213.8	1213.8	1213.8
2.5°	1221.3	1218.8	1206.3	1216.3	1211.3
5°	1218.8	1216.3	1203.8	1213.8	1211.3
7.5°	1208.8	1208.8	1201.3	1211.3	1208.8
10°	1198.8	1198.8	1191.3	1203.8	1201.3
12.5°	1183.7	1186.3	1181.2	1196.3	1193.8
15°	1166.2	1171.2	1168.7	1183.7	1183.7
17.5°	1146.2	1151.2	1151.2	1168.7	1168.7
20°	1121.2	1128.7	1133.7	1153.7	1153.7
22.5°	1096.2	1106.2	1113.7	1131.2	1138.7
25°	1066.1	1078.6	1091.1	1113.7	1113.7
27.5°	1036.1	1051.1	1066.1	1088.6	1091.1
30°	1001.1	1018.6	1038.6	1061.1	1066.1
32.5°	966.0	988.5	1008.6	1036.1	1043.6
35°	928.5	951.0	978.5	1006.1	1013.6
37.5°	885.9	913.5	948.5	978.5	986.0
40°	848.4	878.4	913.5	948.5	956.0
42.5°	805.8	838.4	880.9	913.5	926.0
45°	763.3	798.3	843.4	880.9	890.9
47.5°	718.3	758.3	808.4	843.4	855.9
50°	673.2	715.8	768.3	808.4	818.4
52.5°	628.2	673.2	728.3	768.3	780.8
55°	580.6	628.2	685.7	728.3	743.3
57.5°	535.6	583.1	643.2	688.2	703.2
60°	485.5	540.6	600.6	645.7	663.2
62.5°	443.0	493.0	558.1	603.1	618.2
65°	392.9	445.5	513.0	560.6	575.6
67.5°	345.4	400.4	468.0	518.0	533.1
70°	297.8	352.9	425.4	473.0	490.5
72.5°	250.3	307.8	377.9	430.5	448.0
75°	205.2	260.3	335.4	387.9	405.4
77.5°	157.7	217.7	292.8	345.4	365.4
80°	115.1	177.7	252.8	305.3	325.3
82.5°	77.6	140.1	215.2	267.8	287.8
85°	45.0	107.6	182.7	232.7	250.3
87.5°	22.5	82.6	152.7	202.7	220.2
90°	0.0	60.1	127.6	175.2	192.7
92.5°	0.0	57.6	125.1	170.2	187.7
95°	0.0	57.6	122.6	167.7	185.2
97.5°	0.0	55.1	120.1	167.7	182.7
100°	0.0	52.6	120.1	165.2	180.2
102.5°	0.0	50.1	117.6	162.7	177.7
105°	0.0	47.6	115.1	157.7	172.7
107.5°	2.5	47.6	110.1	155.2	170.2
110°	2.5	45.0	105.1	152.7	167.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	42.5	100.1	147.7	162.7
115°	2.5	42.5	97.6	140.1	157.7
117.5°	2.5	40.0	92.6	135.1	152.7
120°	2.5	40.0	90.1	130.1	145.2
122.5°	2.5	37.5	85.1	125.1	140.1
125°	2.5	35.0	82.6	120.1	135.1
127.5°	2.5	32.5	80.1	115.1	130.1
130°	2.5	30.0	75.1	110.1	122.6
132.5°	2.5	30.0	72.6	102.6	117.6
135°	2.5	27.5	67.6	97.6	110.1
137.5°	2.5	25.0	62.6	92.6	105.1
140°	2.5	22.5	57.6	87.6	97.6
142.5°	2.5	22.5	52.6	80.1	90.1
145°	2.5	20.0	47.6	75.1	82.6
147.5°	2.5	17.5	42.5	67.6	75.1
150°	2.5	17.5	37.5	60.1	67.6
152.5°	2.5	15.0	32.5	55.1	62.6
155°	2.5	12.5	30.0	47.6	55.1
157.5°	2.5	12.5	25.0	40.0	47.6
160°	2.5	10.0	22.5	32.5	40.0
162.5°	2.5	10.0	20.0	27.5	35.0
165°	2.5	7.5	15.0	22.5	27.5
167.5°	2.5	7.5	12.5	17.5	22.5
170°	2.5	5.0	10.0	12.5	17.5
172.5°	2.5	5.0	7.5	7.5	7.5
175°	2.5	2.5	5.0	5.0	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)