

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: P567816

Luminaire Tested: **8SNX-44SL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567816
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-L940-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

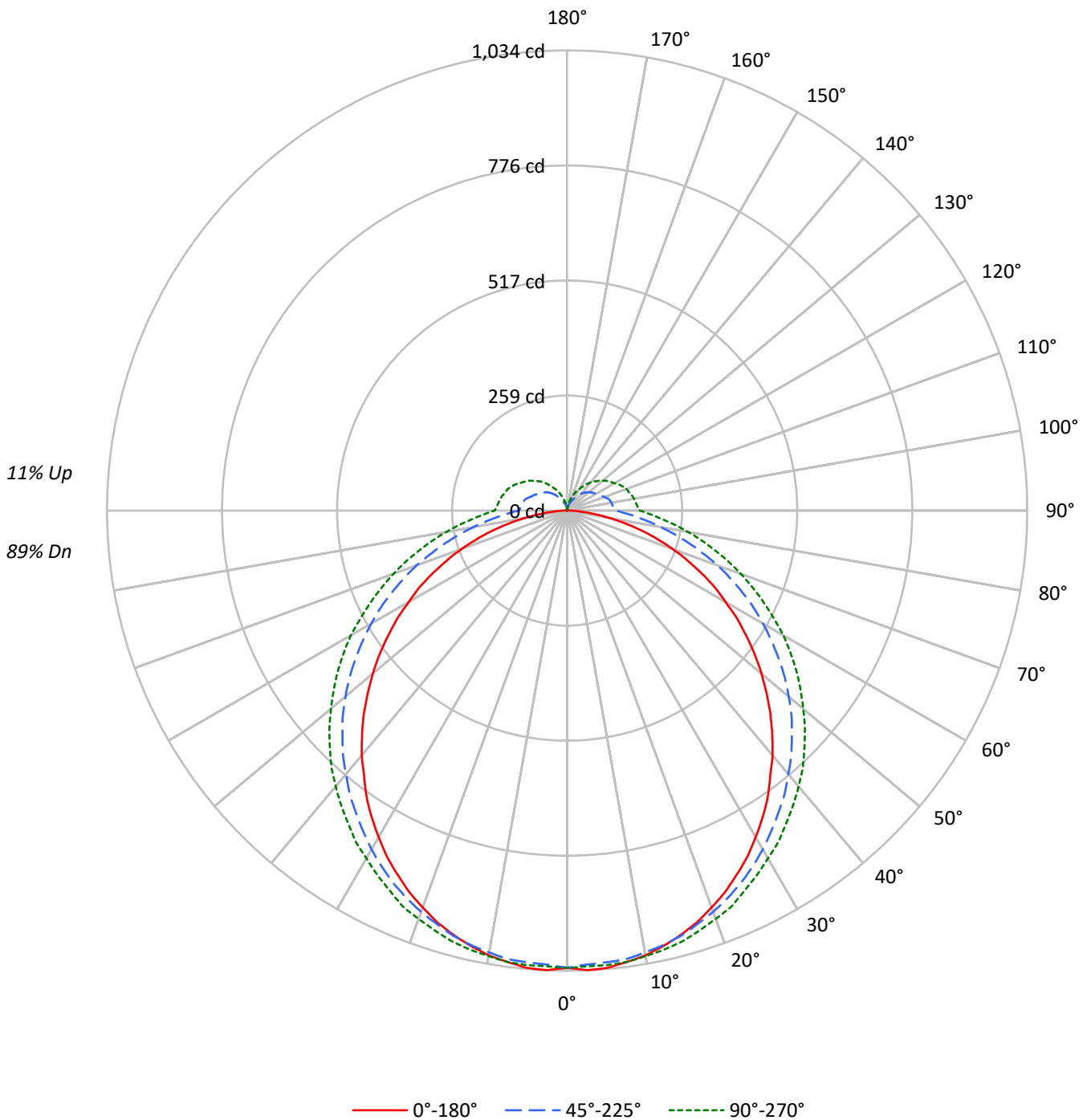
Lumens per Lamp: N/A
Luminaire Lumens: 3657.0 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 27.6
Input Voltage (V): NR
Input Current (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°	5529	5529	5529
5°	5568	5390	5382
10°	5535	5284	5249
15°	5484	5175	5126
20°	5414	5050	4989
25°	5332	4928	4847
30°	5234	4793	4705
35°	5126	4653	4573
40°	5001	4514	4446
45°	4866	4374	4308
50°	4713	4225	4155
55°	4544	4046	4004
60°	4345	3855	3836
65°	4142	3640	3624
70°	3856	3403	3416
75°	3477	3100	3186
80°	2851	2794	2960
85°	2103	2534	2728



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.6	2.7
10°-20°	280.4	7.7
20°-30°	426.4	11.7
30°-40°	517.7	14.2
40°-50°	547.0	15.0
50°-60°	511.9	14.0
60°-70°	420.0	11.5
70°-80°	288.9	7.9
80°-90°	158.2	4.3
90°-100°	101.9	2.8
100°-110°	91.4	2.5
110°-120°	75.7	2.1
120°-130°	58.3	1.6
130°-140°	40.9	1.1
140°-150°	24.7	0.7
150°-160°	11.8	0.3
160°-170°	3.9	0.1
170°-180°	0.5	0.0
0°-30°	804.5	22.0
0°-40°	1322.1	36.2
0°-60°	2381.0	65.1
0°-90°	3248.0	88.8
90°-120°	268.9	7.4
90°-150°	392.8	10.7
90°-180°	409.0	11.2
0°-180°	3657.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1027	1027	1027	1027	1027	
5°	1032	1029	1019	1027	1025	98
15°	987	991	989	1002	1002	278
25°	902	913	924	942	942	416
35°	786	805	828	852	858	491
45°	646	676	714	746	754	498
55°	491	532	580	616	629	440
65°	332	377	434	474	487	329
75°	174	220	284	328	343	183
85°	38	91	155	197	212	44
90°	0	51	108	148	163	3
95°	0	49	104	142	157	0
105°	0	40	97	133	146	1
115°	2	36	83	119	133	2
125°	2	30	70	102	114	2
135°	2	23	57	83	93	2
145°	2	17	40	64	70	1
155°	2	11	25	40	47	1
165°	2	6	13	19	23	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1027.3	1027.3	1027.3	1027.3	1027.3
2.5°	1033.6	1031.5	1020.9	1029.4	1025.1
5°	1031.5	1029.4	1018.8	1027.3	1025.1
7.5°	1023.0	1023.0	1016.7	1025.1	1023.0
10°	1014.6	1014.6	1008.2	1018.8	1016.7
12.5°	1001.8	1004.0	999.7	1012.4	1010.3
15°	987.0	991.3	989.1	1001.8	1001.8
17.5°	970.1	974.3	974.3	989.1	989.1
20°	948.9	955.2	959.5	976.4	976.4
22.5°	927.7	936.2	942.5	957.4	963.7
25°	902.3	912.9	923.5	942.5	942.5
27.5°	876.9	889.6	902.3	921.4	923.5
30°	847.2	862.1	879.0	898.1	902.3
32.5°	817.6	836.6	853.6	876.9	883.2
35°	785.8	804.9	828.2	851.5	857.8
37.5°	749.8	773.1	802.7	828.2	834.5
40°	718.0	743.4	773.1	802.7	809.1
42.5°	682.0	709.6	745.6	773.1	783.7
45°	646.0	675.7	713.8	745.6	754.0
47.5°	607.9	641.8	684.1	713.8	724.4
50°	569.8	605.8	650.2	684.1	692.6
52.5°	531.6	569.8	616.4	650.2	660.8
55°	491.4	531.6	580.3	616.4	629.1
57.5°	453.3	493.5	544.3	582.5	595.2
60°	410.9	457.5	508.3	546.5	561.3
62.5°	374.9	417.3	472.3	510.5	523.2
65°	332.5	377.0	434.2	474.4	487.2
67.5°	292.3	338.9	396.1	438.4	451.1
70°	252.0	298.6	360.1	400.3	415.1
72.5°	211.8	260.5	319.8	364.3	379.1
75°	173.7	220.3	283.8	328.3	343.1
77.5°	133.4	184.3	247.8	292.3	309.2
80°	97.4	150.4	213.9	258.4	275.3
82.5°	65.7	118.6	182.2	226.6	243.6
85°	38.1	91.1	154.6	197.0	211.8
87.5°	19.1	69.9	129.2	171.6	186.4
90°	0.0	50.8	108.0	148.3	163.1
92.5°	0.0	48.7	105.9	144.0	158.9
95°	0.0	48.7	103.8	141.9	156.7
97.5°	0.0	46.6	101.7	141.9	154.6
100°	0.0	44.5	101.7	139.8	152.5
102.5°	0.0	42.4	99.5	137.7	150.4
105°	0.0	40.2	97.4	133.4	146.1
107.5°	2.1	40.2	93.2	131.3	144.0
110°	2.1	38.1	89.0	129.2	141.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	36.0	84.7	125.0	137.7
115°	2.1	36.0	82.6	118.6	133.4
117.5°	2.1	33.9	78.4	114.4	129.2
120°	2.1	33.9	76.3	110.1	122.8
122.5°	2.1	31.8	72.0	105.9	118.6
125°	2.1	29.7	69.9	101.7	114.4
127.5°	2.1	27.5	67.8	97.4	110.1
130°	2.1	25.4	63.5	93.2	103.8
132.5°	2.1	25.4	61.4	86.8	99.5
135°	2.1	23.3	57.2	82.6	93.2
137.5°	2.1	21.2	53.0	78.4	89.0
140°	2.1	19.1	48.7	74.1	82.6
142.5°	2.1	19.1	44.5	67.8	76.3
145°	2.1	16.9	40.2	63.5	69.9
147.5°	2.1	14.8	36.0	57.2	63.5
150°	2.1	14.8	31.8	50.8	57.2
152.5°	2.1	12.7	27.5	46.6	53.0
155°	2.1	10.6	25.4	40.2	46.6
157.5°	2.1	10.6	21.2	33.9	40.2
160°	2.1	8.5	19.1	27.5	33.9
162.5°	2.1	8.5	16.9	23.3	29.7
165°	2.1	6.4	12.7	19.1	23.3
167.5°	2.1	6.4	10.6	14.8	19.1
170°	2.1	4.2	8.5	10.6	14.8
172.5°	2.1	4.2	6.4	6.4	6.4
175°	2.1	2.1	4.2	4.2	2.1
177.5°	2.1	2.1	2.1	2.1	2.1
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)