

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: P567820

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567820
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-44SL-UNV-L840-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

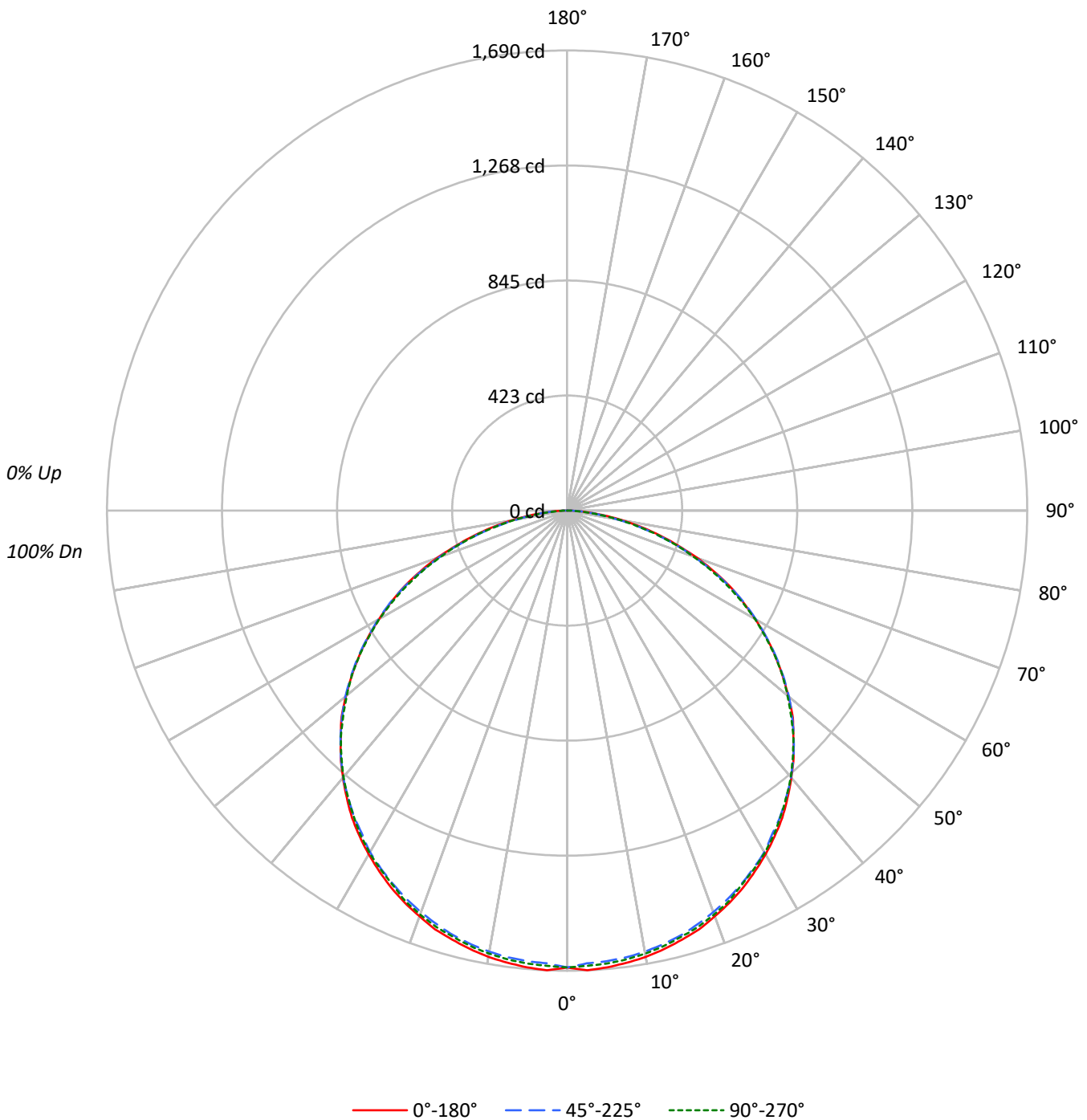
Lumens per Lamp: N/A
Luminaire Lumens: 5017.0 lumens
Efficiency: N/A
Efficacy: 181.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9030	9030	9030
5°	9098	8975	9024
10°	9096	8988	9030
15°	9089	8996	9030
20°	9083	8988	9039
25°	9077	8988	9005
30°	9058	9002	9021
35°	9052	8982	8992
40°	9001	8990	8979
45°	8947	8958	8947
50°	8882	8907	8844
55°	8764	8792	8750
60°	8592	8624	8576
65°	8416	8359	8243
70°	8002	7835	7740
75°	7311	7060	7091
80°	6313	5845	5985
85°	4755	4563	4100



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.2	3.2
10°-20°	458.7	9.1
20°-30°	701.8	14.0
30°-40°	858.1	17.1
40°-50°	907.7	18.1
50°-60°	836.3	16.7
60°-70°	644.4	12.8
70°-80°	361.1	7.2
80°-90°	89.8	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1319.6	26.3
0°-40°	2177.7	43.4
0°-60°	3921.7	78.2
0°-90°	5017.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5017.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1678	1678	1678	1678	1678	
5°	1684	1678	1661	1678	1670	160
15°	1631	1628	1615	1628	1621	461
25°	1528	1526	1514	1526	1516	704
35°	1378	1375	1367	1372	1369	861
45°	1176	1180	1177	1176	1176	908
55°	934	942	937	937	932	834
65°	661	661	656	640	647	650
75°	352	347	340	327	341	373
85°	77	72	74	74	66	95
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1677.9	1677.9	1677.9	1677.9	1677.9
2.5°	1690.0	1682.5	1664.4	1680.9	1673.4
5°	1684.0	1677.9	1661.3	1677.9	1670.4
7.5°	1674.9	1670.4	1655.3	1670.4	1662.8
10°	1664.4	1659.8	1644.7	1659.8	1652.3
12.5°	1649.3	1646.2	1631.2	1646.2	1638.7
15°	1631.2	1628.1	1614.6	1628.1	1620.6
17.5°	1613.0	1607.0	1593.4	1608.5	1602.5
20°	1585.9	1582.9	1569.3	1582.9	1578.3
22.5°	1558.7	1555.7	1543.6	1555.7	1552.7
25°	1528.5	1525.5	1513.5	1525.5	1516.5
27.5°	1493.8	1495.4	1481.8	1489.3	1484.8
30°	1457.6	1457.6	1448.6	1451.6	1451.6
32.5°	1418.4	1418.4	1404.8	1413.9	1412.4
35°	1377.7	1374.6	1367.1	1371.6	1368.6
37.5°	1329.4	1327.9	1323.3	1326.4	1323.3
40°	1281.1	1282.6	1279.6	1278.1	1278.1
42.5°	1231.3	1234.3	1229.8	1228.3	1226.8
45°	1175.5	1180.0	1177.0	1175.5	1175.5
47.5°	1124.2	1125.7	1121.1	1119.6	1115.1
50°	1060.8	1066.8	1063.8	1060.8	1056.3
52.5°	997.4	1006.5	1000.4	997.4	997.4
55°	934.0	941.6	937.0	937.0	932.5
57.5°	867.6	875.2	869.1	869.1	863.1
60°	798.2	805.8	801.2	796.7	796.7
62.5°	728.8	734.8	733.3	725.8	721.3
65°	660.9	660.9	656.4	639.8	647.3
67.5°	584.0	582.4	576.4	559.8	570.4
70°	508.5	508.5	497.9	478.3	491.9
72.5°	427.0	431.6	418.0	404.4	418.0
75°	351.6	347.1	339.5	327.4	341.0
77.5°	279.2	271.6	262.6	256.5	264.1
80°	203.7	199.2	188.6	188.6	193.1
82.5°	138.8	134.3	126.8	128.3	122.2
85°	77.0	72.4	73.9	73.9	66.4
87.5°	31.7	31.7	31.7	28.7	25.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)