

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: P567821

Luminaire Tested: **8SNX-44SL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567821
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-L850-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

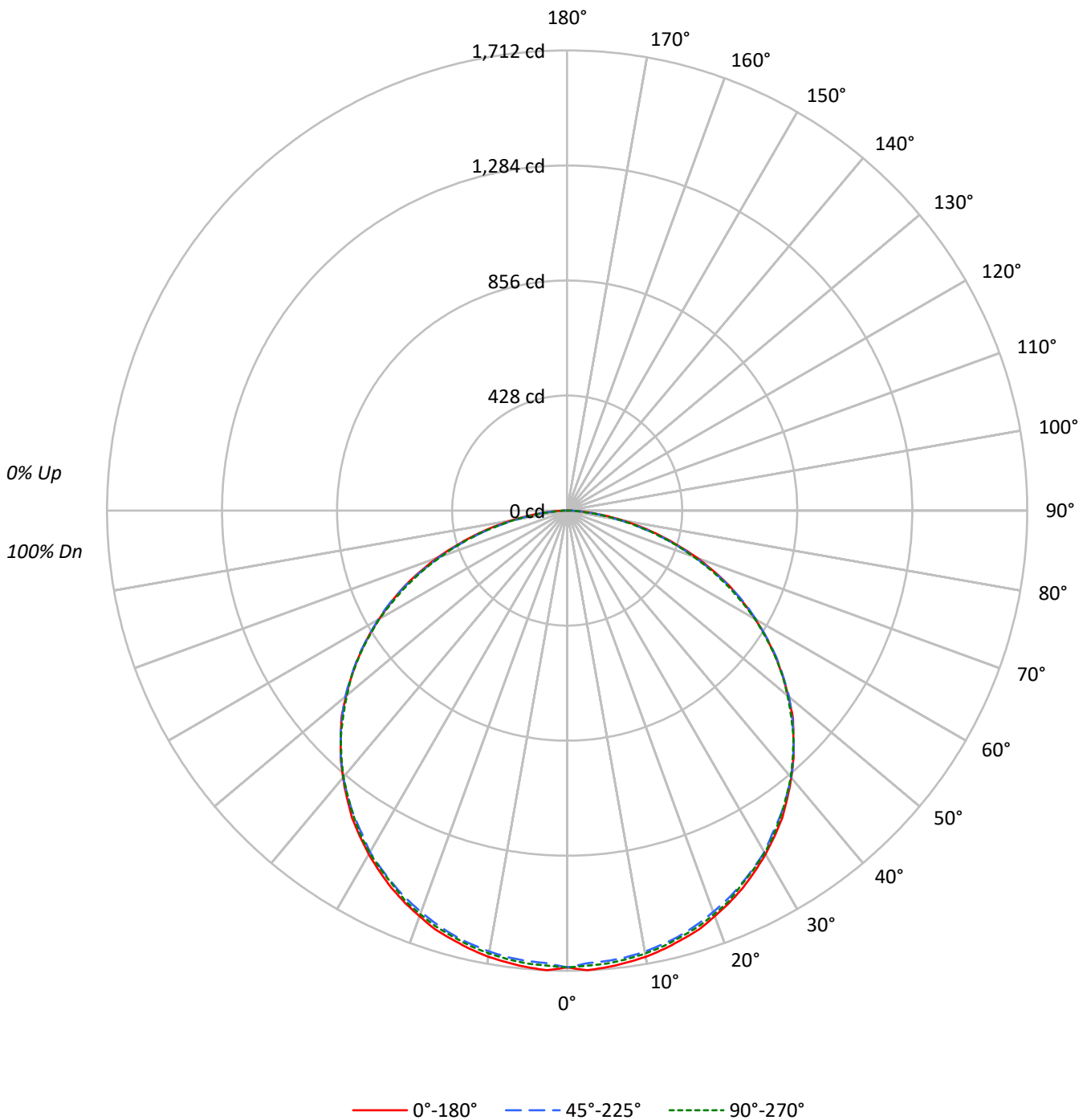
Lumens per Lamp: N/A
Luminaire Lumens: 5081.0 lumens
Efficiency: N/A
Efficacy: 184.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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°	9146	9146	9146
5°	9213	9090	9139
10°	9212	9103	9145
15°	9205	9111	9145
20°	9199	9102	9155
25°	9193	9102	9120
30°	9174	9117	9136
35°	9167	9096	9107
40°	9115	9105	9094
45°	9061	9073	9061
50°	8995	9021	8956
55°	8876	8905	8861
60°	8702	8735	8685
65°	8523	8466	8349
70°	8104	7936	7840
75°	7405	7149	7182
80°	6394	5920	6062
85°	4810	4625	4150



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.2	3.2
10°-20°	464.5	9.1
20°-30°	710.7	14.0
30°-40°	869.0	17.1
40°-50°	919.3	18.1
50°-60°	847.0	16.7
60°-70°	652.7	12.8
70°-80°	365.7	7.2
80°-90°	90.9	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°	1336.5	26.3
0°-40°	2205.5	43.4
0°-60°	3971.7	78.2
0°-90°	5081.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5081.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1699	1699	1699	1699	1699	
5°	1705	1699	1682	1699	1692	162
15°	1652	1649	1635	1649	1641	467
25°	1548	1545	1533	1545	1536	713
35°	1395	1392	1384	1389	1386	872
45°	1190	1195	1192	1190	1190	920
55°	946	954	949	949	944	845
65°	669	669	665	648	656	658
75°	356	352	344	332	345	378
85°	78	73	75	75	67	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1699.3	1699.3	1699.3	1699.3	1699.3
2.5°	1711.6	1703.9	1685.6	1702.4	1694.8
5°	1705.4	1699.3	1682.5	1699.3	1691.7
7.5°	1696.3	1691.7	1676.4	1691.7	1684.1
10°	1685.6	1681.0	1665.7	1681.0	1673.4
12.5°	1670.3	1667.2	1652.0	1667.2	1659.6
15°	1652.0	1648.9	1635.2	1648.9	1641.3
17.5°	1633.6	1627.5	1613.8	1629.0	1622.9
20°	1606.1	1603.1	1589.3	1603.1	1598.5
22.5°	1578.6	1575.6	1563.3	1575.6	1572.5
25°	1548.0	1545.0	1532.8	1545.0	1535.8
27.5°	1512.9	1514.4	1500.7	1508.3	1503.7
30°	1476.2	1476.2	1467.1	1470.1	1470.1
32.5°	1436.5	1436.5	1422.7	1431.9	1430.4
35°	1395.2	1392.2	1384.5	1389.1	1386.1
37.5°	1346.3	1344.8	1340.2	1343.3	1340.2
40°	1297.4	1299.0	1295.9	1294.4	1294.4
42.5°	1247.0	1250.1	1245.5	1243.9	1242.4
45°	1190.5	1195.0	1192.0	1190.5	1190.5
47.5°	1138.5	1140.0	1135.4	1133.9	1129.3
50°	1074.3	1080.4	1077.4	1074.3	1069.7
52.5°	1010.1	1019.3	1013.2	1010.1	1010.1
55°	945.9	953.6	949.0	949.0	944.4
57.5°	878.7	886.3	880.2	880.2	874.1
60°	808.4	816.0	811.5	806.9	806.9
62.5°	738.1	744.2	742.7	735.1	730.5
65°	669.3	669.3	664.8	647.9	655.6
67.5°	591.4	589.9	583.8	567.0	577.7
70°	515.0	515.0	504.3	484.4	498.2
72.5°	432.5	437.1	423.3	409.6	423.3
75°	356.1	351.5	343.8	331.6	345.4
77.5°	282.7	275.1	265.9	259.8	267.4
80°	206.3	201.7	191.0	191.0	195.6
82.5°	140.6	136.0	128.4	129.9	123.8
85°	77.9	73.4	74.9	74.9	67.2
87.5°	32.1	32.1	32.1	29.0	26.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)