

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: P567818

Luminaire Tested: **8SNX-44SL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567818
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-L830-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

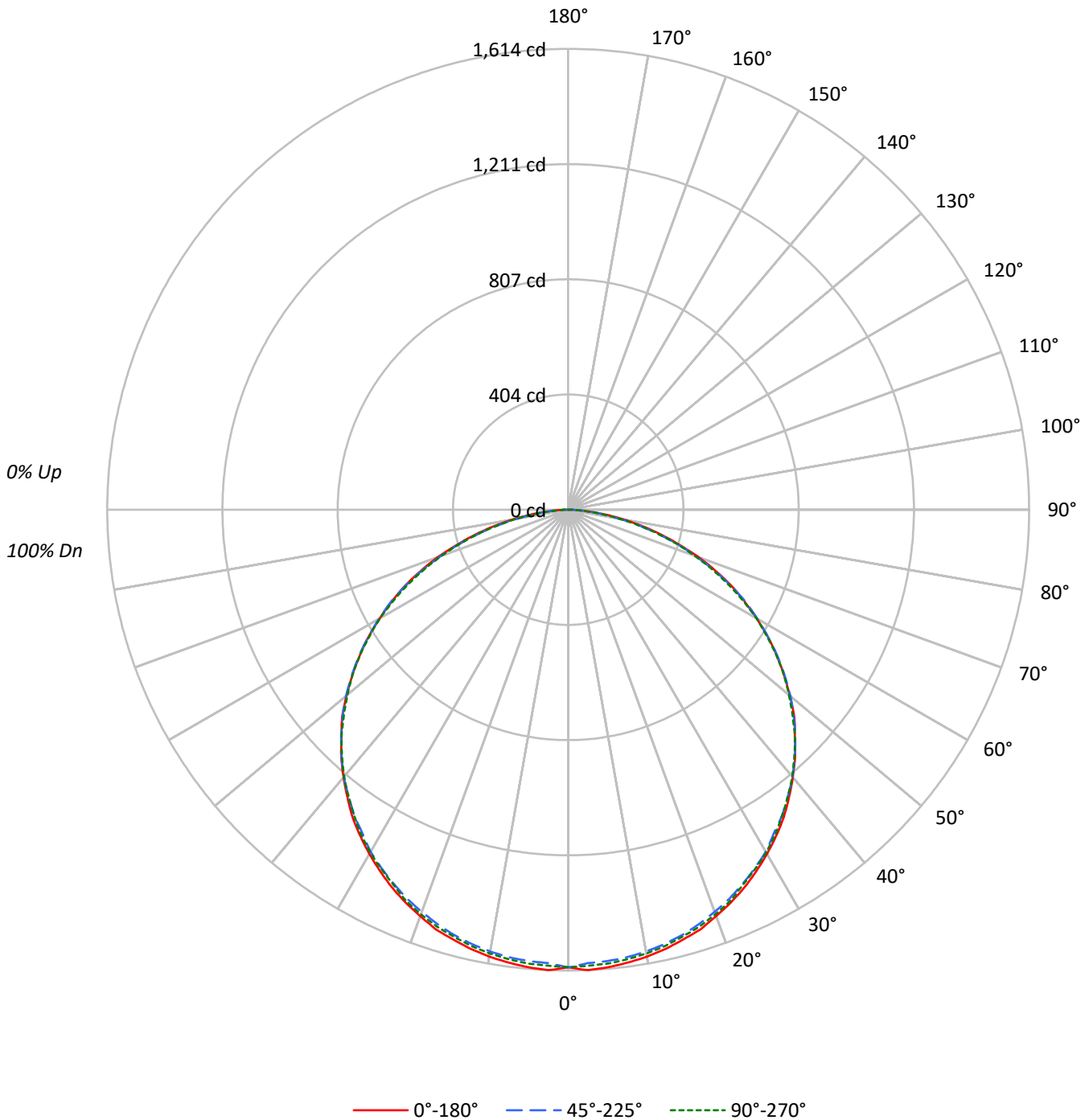
Lumens per Lamp: N/A
Luminaire Lumens: 4792.0 lumens
Efficiency: N/A
Efficacy: 173.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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°	8626	8626	8626
5°	8689	8573	8620
10°	8688	8585	8625
15°	8681	8592	8625
20°	8676	8585	8635
25°	8670	8584	8602
30°	8653	8598	8616
35°	8646	8579	8589
40°	8597	8587	8576
45°	8545	8557	8545
50°	8483	8508	8447
55°	8371	8398	8358
60°	8206	8238	8191
65°	8039	7983	7874
70°	7643	7484	7394
75°	6983	6744	6773
80°	6031	5585	5718
85°	4539	4360	3915



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.0	3.2
10°-20°	438.1	9.1
20°-30°	670.3	14.0
30°-40°	819.6	17.1
40°-50°	867.0	18.1
50°-60°	798.8	16.7
60°-70°	615.6	12.8
70°-80°	344.9	7.2
80°-90°	85.7	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°	1260.5	26.3
0°-40°	2080.0	43.4
0°-60°	3745.8	78.2
0°-90°	4792.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4792.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1603	1603	1603	1603	1603	
5°	1608	1603	1587	1603	1596	153
15°	1558	1555	1542	1555	1548	440
25°	1460	1457	1446	1457	1448	673
35°	1316	1313	1306	1310	1307	822
45°	1123	1127	1124	1123	1123	867
55°	892	899	895	895	891	797
65°	631	631	627	611	618	621
75°	336	332	324	313	326	356
85°	74	69	71	71	63	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1602.7	1602.7	1602.7	1602.7	1602.7
2.5°	1614.2	1607.0	1589.7	1605.6	1598.4
5°	1608.4	1602.7	1586.8	1602.7	1595.5
7.5°	1599.8	1595.5	1581.1	1595.5	1588.3
10°	1589.7	1585.4	1571.0	1585.4	1578.2
12.5°	1575.3	1572.4	1558.0	1572.4	1565.2
15°	1558.0	1555.1	1542.1	1555.1	1547.9
17.5°	1540.7	1534.9	1522.0	1536.4	1530.6
20°	1514.8	1511.9	1498.9	1511.9	1507.6
22.5°	1488.8	1485.9	1474.4	1485.9	1483.1
25°	1460.0	1457.1	1445.6	1457.1	1448.5
27.5°	1426.8	1428.3	1415.3	1422.5	1418.2
30°	1392.3	1392.3	1383.6	1386.5	1386.5
32.5°	1354.8	1354.8	1341.8	1350.5	1349.0
35°	1315.9	1313.0	1305.8	1310.1	1307.2
37.5°	1269.7	1268.3	1264.0	1266.9	1264.0
40°	1223.6	1225.1	1222.2	1220.7	1220.7
42.5°	1176.1	1179.0	1174.6	1173.2	1171.7
45°	1122.7	1127.1	1124.2	1122.7	1122.7
47.5°	1073.7	1075.2	1070.9	1069.4	1065.1
50°	1013.2	1019.0	1016.1	1013.2	1008.9
52.5°	952.7	961.3	955.6	952.7	952.7
55°	892.1	899.3	895.0	895.0	890.7
57.5°	828.7	835.9	830.2	830.2	824.4
60°	762.4	769.6	765.3	761.0	761.0
62.5°	696.1	701.9	700.5	693.2	688.9
65°	631.3	631.3	626.9	611.1	618.3
67.5°	557.8	556.3	550.6	534.7	544.8
70°	485.7	485.7	475.6	456.9	469.9
72.5°	407.9	412.2	399.2	386.3	399.2
75°	335.8	331.5	324.3	312.8	325.7
77.5°	266.6	259.4	250.8	245.0	252.2
80°	194.6	190.2	180.2	180.2	184.5
82.5°	132.6	128.3	121.1	122.5	116.7
85°	73.5	69.2	70.6	70.6	63.4
87.5°	30.3	30.3	30.3	27.4	24.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)