

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: P567819

Luminaire Tested: **8SNX-44SL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567819
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-L835-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

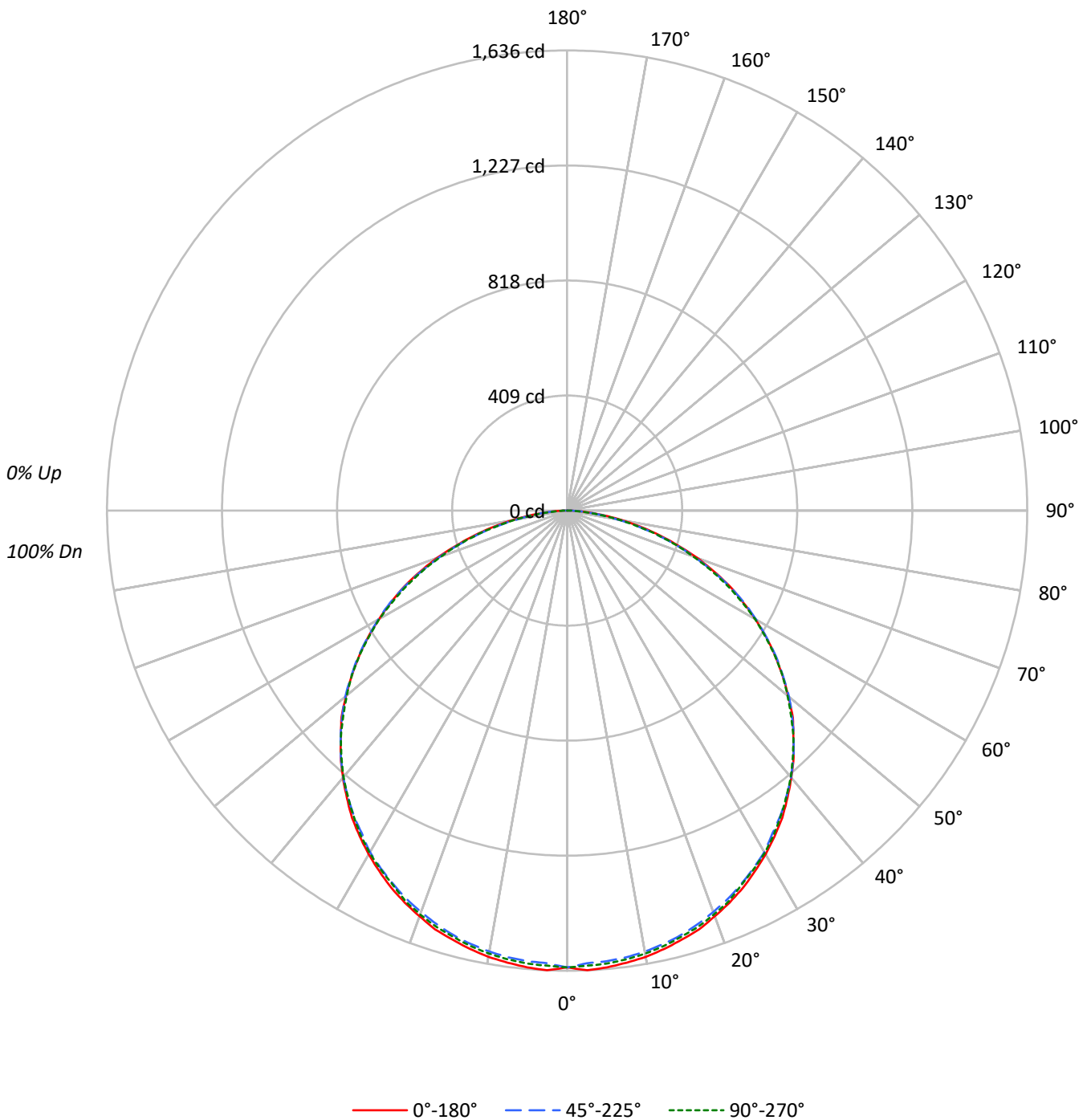
Lumens per Lamp: N/A
Luminaire Lumens: 4856.0 lumens
Efficiency: N/A
Efficacy: 175.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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°	8741	8741	8741
5°	8806	8687	8735
10°	8804	8700	8740
15°	8797	8707	8740
20°	8791	8699	8750
25°	8786	8699	8716
30°	8768	8713	8731
35°	8761	8694	8703
40°	8712	8701	8691
45°	8659	8671	8659
50°	8596	8622	8560
55°	8483	8511	8469
60°	8316	8347	8300
65°	8146	8090	7980
70°	7745	7585	7492
75°	7076	6833	6864
80°	6112	5659	5793
85°	4600	4421	3971



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.1	3.2
10°-20°	443.9	9.1
20°-30°	679.3	14.0
30°-40°	830.5	17.1
40°-50°	878.6	18.1
50°-60°	809.5	16.7
60°-70°	623.8	12.8
70°-80°	349.5	7.2
80°-90°	86.9	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°	1277.3	26.3
0°-40°	2107.8	43.4
0°-60°	3795.9	78.2
0°-90°	4856.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4856.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1624	1624	1624	1624	1624	
5°	1630	1624	1608	1624	1617	155
15°	1579	1576	1563	1576	1569	446
25°	1480	1477	1465	1477	1468	682
35°	1333	1330	1323	1328	1325	833
45°	1138	1142	1139	1138	1138	879
55°	904	911	907	907	903	807
65°	640	640	635	619	627	629
75°	340	336	329	317	330	361
85°	74	70	72	72	64	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1624.1	1624.1	1624.1	1624.1	1624.1
2.5°	1635.8	1628.5	1610.9	1627.0	1619.7
5°	1629.9	1624.1	1608.0	1624.1	1616.8
7.5°	1621.2	1616.8	1602.2	1616.8	1609.5
10°	1610.9	1606.6	1592.0	1606.6	1599.3
12.5°	1596.3	1593.4	1578.8	1593.4	1586.1
15°	1578.8	1575.9	1562.7	1575.9	1568.6
17.5°	1561.3	1555.4	1542.3	1556.9	1551.1
20°	1535.0	1532.1	1518.9	1532.1	1527.7
22.5°	1508.7	1505.8	1494.1	1505.8	1502.9
25°	1479.5	1476.6	1464.9	1476.6	1467.8
27.5°	1445.9	1447.4	1434.2	1441.5	1437.1
30°	1410.9	1410.9	1402.1	1405.0	1405.0
32.5°	1372.9	1372.9	1359.7	1368.5	1367.0
35°	1333.4	1330.5	1323.2	1327.6	1324.7
37.5°	1286.7	1285.2	1280.9	1283.8	1280.9
40°	1240.0	1241.4	1238.5	1237.1	1237.1
42.5°	1191.8	1194.7	1190.3	1188.9	1187.4
45°	1137.7	1142.1	1139.2	1137.7	1137.7
47.5°	1088.1	1089.5	1085.2	1083.7	1079.3
50°	1026.7	1032.6	1029.7	1026.7	1022.4
52.5°	965.4	974.2	968.3	965.4	965.4
55°	904.1	911.4	907.0	907.0	902.6
57.5°	839.8	847.1	841.3	841.3	835.4
60°	772.6	779.9	775.5	771.1	771.1
62.5°	705.4	711.3	709.8	702.5	698.1
65°	639.7	639.7	635.3	619.3	626.6
67.5°	565.2	563.8	557.9	541.8	552.1
70°	492.2	492.2	482.0	463.0	476.1
72.5°	413.3	417.7	404.6	391.4	404.6
75°	340.3	335.9	328.6	316.9	330.1
77.5°	270.2	262.9	254.1	248.3	255.6
80°	197.2	192.8	182.6	182.6	186.9
82.5°	134.4	130.0	122.7	124.1	118.3
85°	74.5	70.1	71.6	71.6	64.3
87.5°	30.7	30.7	30.7	27.7	24.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)