

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: P567871

Luminaire Tested: **8SNX-52SL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567871
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-52SL-UNV-L935-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

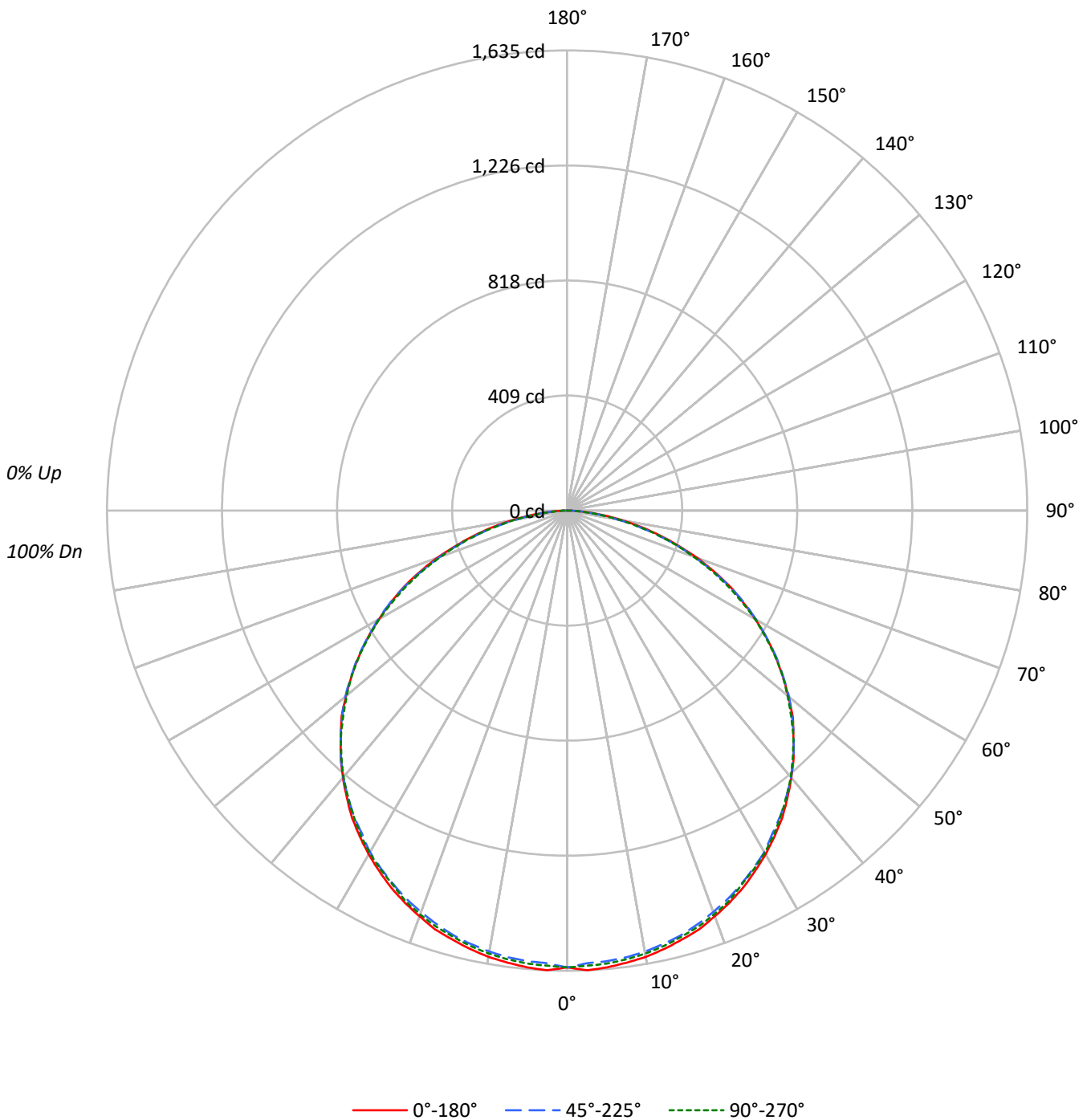
Lumens per Lamp: N/A
Luminaire Lumens: 4853.0 lumens
Efficiency: N/A
Efficacy: 148.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 32.8
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°	8735	8735	8735
5°	8800	8682	8729
10°	8798	8695	8735
15°	8791	8702	8734
20°	8786	8694	8744
25°	8780	8694	8711
30°	8763	8708	8726
35°	8755	8688	8698
40°	8706	8696	8686
45°	8654	8665	8654
50°	8591	8616	8555
55°	8478	8505	8464
60°	8311	8343	8296
65°	8141	8085	7975
70°	7740	7580	7487
75°	7072	6829	6860
80°	6106	5656	5790
85°	4594	4415	3964



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.0	3.2
10°-20°	443.7	9.1
20°-30°	678.9	14.0
30°-40°	830.0	17.1
40°-50°	878.0	18.1
50°-60°	809.0	16.7
60°-70°	623.4	12.8
70°-80°	349.3	7.2
80°-90°	86.8	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°	1276.5	26.3
0°-40°	2106.5	43.4
0°-60°	3793.5	78.2
0°-90°	4853.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4853.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1623	1623	1623	1623	1623	
5°	1629	1623	1607	1623	1616	155
15°	1578	1575	1562	1575	1568	446
25°	1479	1476	1464	1476	1467	681
35°	1333	1330	1322	1327	1324	833
45°	1137	1141	1138	1137	1137	878
55°	904	911	906	906	902	807
65°	639	639	635	619	626	629
75°	340	336	328	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°	1623.1	1623.1	1623.1	1623.1	1623.1
2.5°	1634.8	1627.5	1609.9	1626.0	1618.7
5°	1628.9	1623.1	1607.0	1623.1	1615.8
7.5°	1620.2	1615.8	1601.2	1615.8	1608.5
10°	1609.9	1605.6	1591.0	1605.6	1598.3
12.5°	1595.3	1592.4	1577.8	1592.4	1585.1
15°	1577.8	1574.9	1561.8	1574.9	1567.6
17.5°	1560.3	1554.5	1541.3	1555.9	1550.1
20°	1534.0	1531.1	1518.0	1531.1	1526.7
22.5°	1507.8	1504.9	1493.2	1504.9	1501.9
25°	1478.6	1475.7	1464.0	1475.7	1466.9
27.5°	1445.0	1446.5	1433.3	1440.6	1436.3
30°	1410.0	1410.0	1401.2	1404.1	1404.1
32.5°	1372.0	1372.0	1358.9	1367.7	1366.2
35°	1332.6	1329.7	1322.4	1326.8	1323.9
37.5°	1285.9	1284.5	1280.1	1283.0	1280.1
40°	1239.2	1240.7	1237.7	1236.3	1236.3
42.5°	1191.0	1194.0	1189.6	1188.1	1186.7
45°	1137.0	1141.4	1138.5	1137.0	1137.0
47.5°	1087.4	1088.9	1084.5	1083.0	1078.6
50°	1026.1	1031.9	1029.0	1026.1	1021.7
52.5°	964.8	973.6	967.7	964.8	964.8
55°	903.5	910.8	906.4	906.4	902.0
57.5°	839.3	846.6	840.7	840.7	834.9
60°	772.1	779.4	775.1	770.7	770.7
62.5°	705.0	710.8	709.4	702.1	697.7
65°	639.3	639.3	634.9	618.9	626.2
67.5°	564.9	563.4	557.6	541.5	551.7
70°	491.9	491.9	481.7	462.7	475.8
72.5°	413.1	417.4	404.3	391.2	404.3
75°	340.1	335.7	328.4	316.7	329.9
77.5°	270.0	262.7	254.0	248.1	255.4
80°	197.0	192.7	182.5	182.5	186.8
82.5°	134.3	129.9	122.6	124.1	118.2
85°	74.4	70.1	71.5	71.5	64.2
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)