

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: P567866

Luminaire Tested: **8SNX-52SL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567866
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-L830-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

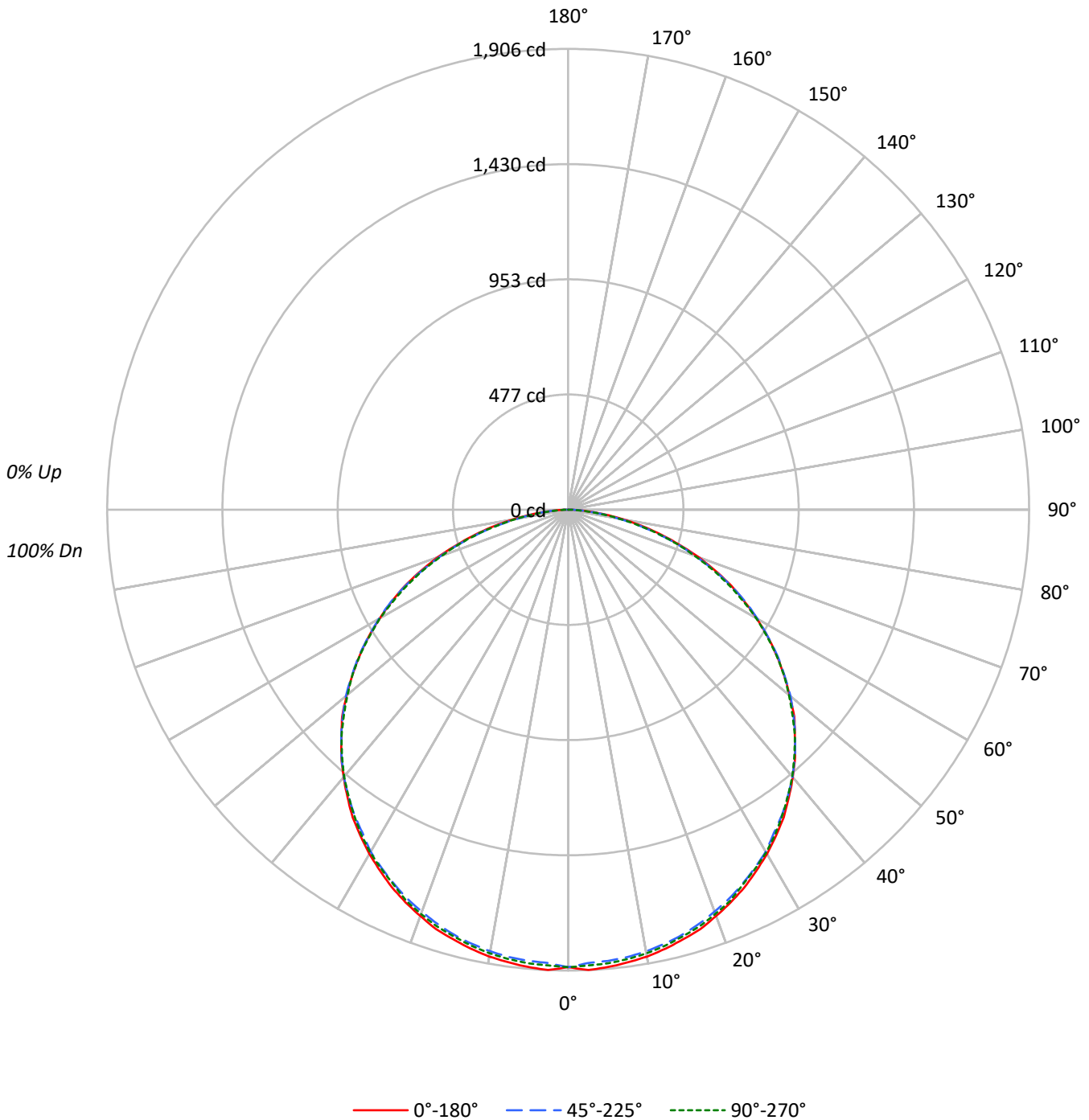
Lumens per Lamp: N/A
Luminaire Lumens: 5657.0 lumens
Efficiency: N/A
Efficacy: 172.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 32.8
Input Voltage (V): NR
Input Current (A_{in}): 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°	10183	10183	10183
5°	10258	10121	10176
10°	10256	10135	10182
15°	10248	10143	10181
20°	10242	10135	10193
25°	10235	10134	10154
30°	10214	10151	10172
35°	10206	10128	10139
40°	10149	10137	10125
45°	10088	10101	10088
50°	10015	10043	9972
55°	9882	9914	9866
60°	9689	9725	9669
65°	9490	9425	9295
70°	9023	8836	8729
75°	8243	7960	7995
80°	7119	6592	6750
85°	5360	5150	4625



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.5	3.2
10°-20°	517.2	9.1
20°-30°	791.3	14.0
30°-40°	967.5	17.1
40°-50°	1023.5	18.1
50°-60°	943.0	16.7
60°-70°	726.7	12.8
70°-80°	407.1	7.2
80°-90°	101.2	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°	1488.0	26.3
0°-40°	2455.5	43.4
0°-60°	4422.0	78.2
0°-90°	5657.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5657.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1892	1892	1892	1892	1892	
5°	1899	1892	1873	1892	1884	180
15°	1839	1836	1820	1836	1827	520
25°	1724	1720	1706	1720	1710	794
35°	1553	1550	1542	1547	1543	971
45°	1325	1330	1327	1325	1325	1024
55°	1053	1062	1057	1057	1052	940
65°	745	745	740	721	730	733
75°	396	391	383	369	384	420
85°	87	82	83	83	75	107
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1892.0	1892.0	1892.0	1892.0	1892.0
2.5°	1905.6	1897.1	1876.7	1895.4	1886.9
5°	1898.8	1892.0	1873.3	1892.0	1883.5
7.5°	1888.6	1883.5	1866.5	1883.5	1875.0
10°	1876.7	1871.6	1854.5	1871.6	1863.1
12.5°	1859.7	1856.2	1839.2	1856.2	1847.7
15°	1839.2	1835.8	1820.5	1835.8	1827.3
17.5°	1818.8	1812.0	1796.7	1813.7	1806.9
20°	1788.2	1784.8	1769.5	1784.8	1779.7
22.5°	1757.6	1754.2	1740.6	1754.2	1750.8
25°	1723.5	1720.1	1706.5	1720.1	1709.9
27.5°	1684.4	1686.1	1670.8	1679.3	1674.2
30°	1643.6	1643.6	1633.4	1636.8	1636.8
32.5°	1599.3	1599.3	1584.0	1594.2	1592.5
35°	1553.4	1550.0	1541.5	1546.6	1543.2
37.5°	1499.0	1497.2	1492.1	1495.5	1492.1
40°	1444.5	1446.2	1442.8	1441.1	1441.1
42.5°	1388.4	1391.8	1386.7	1385.0	1383.3
45°	1325.4	1330.5	1327.1	1325.4	1325.4
47.5°	1267.6	1269.3	1264.2	1262.5	1257.3
50°	1196.1	1202.9	1199.5	1196.1	1191.0
52.5°	1124.6	1134.8	1128.0	1124.6	1124.6
55°	1053.2	1061.7	1056.6	1056.6	1051.5
57.5°	978.3	986.8	980.0	980.0	973.2
60°	900.1	908.6	903.5	898.3	898.3
62.5°	821.8	828.6	826.9	818.4	813.3
65°	745.2	745.2	740.1	721.4	729.9
67.5°	658.4	656.7	649.9	631.2	643.1
70°	573.4	573.4	561.5	539.4	554.7
72.5°	481.5	486.6	471.3	456.0	471.3
75°	396.4	391.3	382.8	369.2	384.5
77.5°	314.8	306.3	296.0	289.2	297.7
80°	229.7	224.6	212.7	212.7	217.8
82.5°	156.5	151.4	142.9	144.6	137.8
85°	86.8	81.7	83.4	83.4	74.9
87.5°	35.7	35.7	35.7	32.3	28.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)