

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: P567868

Luminaire Tested: **8SNX-52SL-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567868  
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-L840-CD  
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

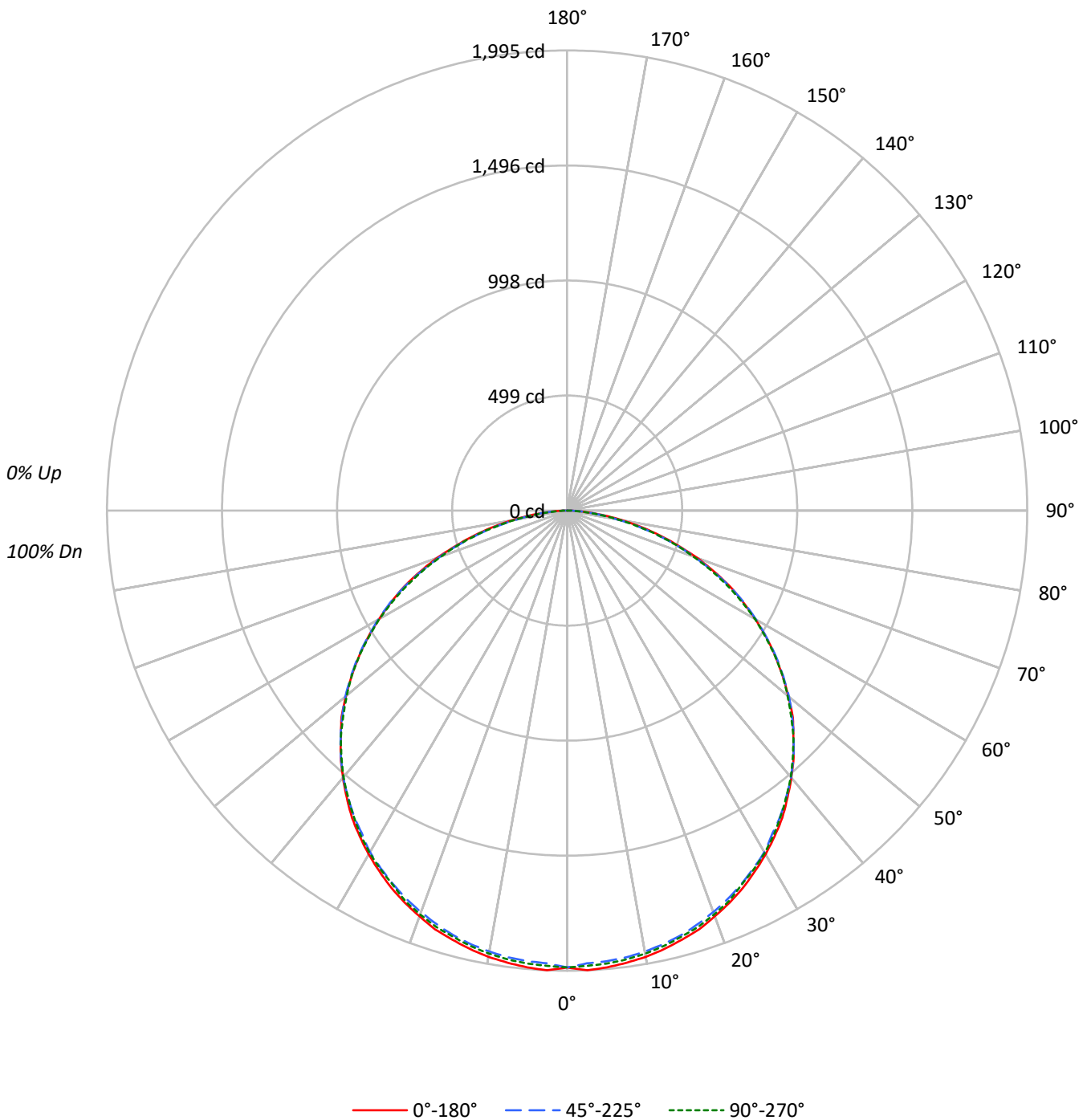
Lumens per Lamp: N/A  
Luminaire Lumens: 5922.0 lumens  
Efficiency: N/A  
Efficacy: 180.5 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')  
CIE Type: Direct

Input Watts (W): 32.8  
Input Voltage (V): NR  
Input Current (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°	10660	10660	10660
5°	10739	10594	10652
10°	10737	10610	10658
15°	10728	10619	10658
20°	10722	10609	10671
25°	10715	10609	10630
30°	10693	10626	10648
35°	10684	10602	10614
40°	10624	10612	10599
45°	10561	10574	10561
50°	10484	10514	10439
55°	10345	10379	10328
60°	10142	10181	10122
65°	9934	9867	9731
70°	9445	9249	9136
75°	8630	8334	8370
80°	7454	6899	7067
85°	5607	5391	4841



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	187.9	3.2
10°-20°	541.4	9.1
20°-30°	828.4	14.0
30°-40°	1012.9	17.1
40°-50°	1071.4	18.1
50°-60°	987.2	16.7
60°-70°	760.7	12.8
70°-80°	426.2	7.2
80°-90°	105.9	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°	1557.7	26.3
0°-40°	2570.5	43.4
0°-60°	4629.1	78.2
0°-90°	5922.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5922.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1981	1981	1981	1981	1981	
5°	1988	1981	1961	1981	1972	189
15°	1925	1922	1906	1922	1913	544
25°	1804	1801	1786	1801	1790	832
35°	1626	1623	1614	1619	1616	1016
45°	1388	1393	1389	1388	1388	1072
55°	1102	1111	1106	1106	1101	984
65°	780	780	775	755	764	767
75°	415	410	401	386	402	440
85°	91	86	87	87	78	112
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1980.6	1980.6	1980.6	1980.6	1980.6
2.5°	1994.9	1986.0	1964.6	1984.2	1975.3
5°	1987.7	1980.6	1961.0	1980.6	1971.7
7.5°	1977.0	1971.7	1953.9	1971.7	1962.8
10°	1964.6	1959.2	1941.4	1959.2	1950.3
12.5°	1946.8	1943.2	1925.4	1943.2	1934.3
15°	1925.4	1921.8	1905.8	1921.8	1912.9
17.5°	1904.0	1896.9	1880.9	1898.7	1891.6
20°	1872.0	1868.4	1852.4	1868.4	1863.1
22.5°	1839.9	1836.3	1822.1	1836.3	1832.8
25°	1804.3	1800.7	1786.5	1800.7	1790.0
27.5°	1763.3	1765.1	1749.1	1758.0	1752.6
30°	1720.6	1720.6	1709.9	1713.4	1713.4
32.5°	1674.3	1674.3	1658.2	1668.9	1667.1
35°	1626.2	1622.6	1613.7	1619.0	1615.5
37.5°	1569.2	1567.4	1562.0	1565.6	1562.0
40°	1512.2	1514.0	1510.4	1508.6	1508.6
42.5°	1453.4	1457.0	1451.6	1449.8	1448.1
45°	1387.5	1392.8	1389.3	1387.5	1387.5
47.5°	1326.9	1328.7	1323.4	1321.6	1316.2
50°	1252.1	1259.3	1255.7	1252.1	1246.8
52.5°	1177.3	1188.0	1180.9	1177.3	1177.3
55°	1102.5	1111.4	1106.1	1106.1	1100.7
57.5°	1024.1	1033.1	1025.9	1025.9	1018.8
60°	942.2	951.1	945.8	940.4	940.4
62.5°	860.3	867.4	865.6	856.7	851.4
65°	780.1	780.1	774.8	755.2	764.1
67.5°	689.3	687.5	680.4	660.8	673.3
70°	600.2	600.2	587.8	564.6	580.6
72.5°	504.1	509.4	493.4	477.3	493.4
75°	415.0	409.7	400.8	386.5	402.5
77.5°	329.5	320.6	309.9	302.8	311.7
80°	240.5	235.1	222.6	222.6	228.0
82.5°	163.9	158.5	149.6	151.4	144.3
85°	90.8	85.5	87.3	87.3	78.4
87.5°	37.4	37.4	37.4	33.8	30.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)