

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: P567867

Luminaire Tested: **8SNX-52SL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567867
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-L835-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

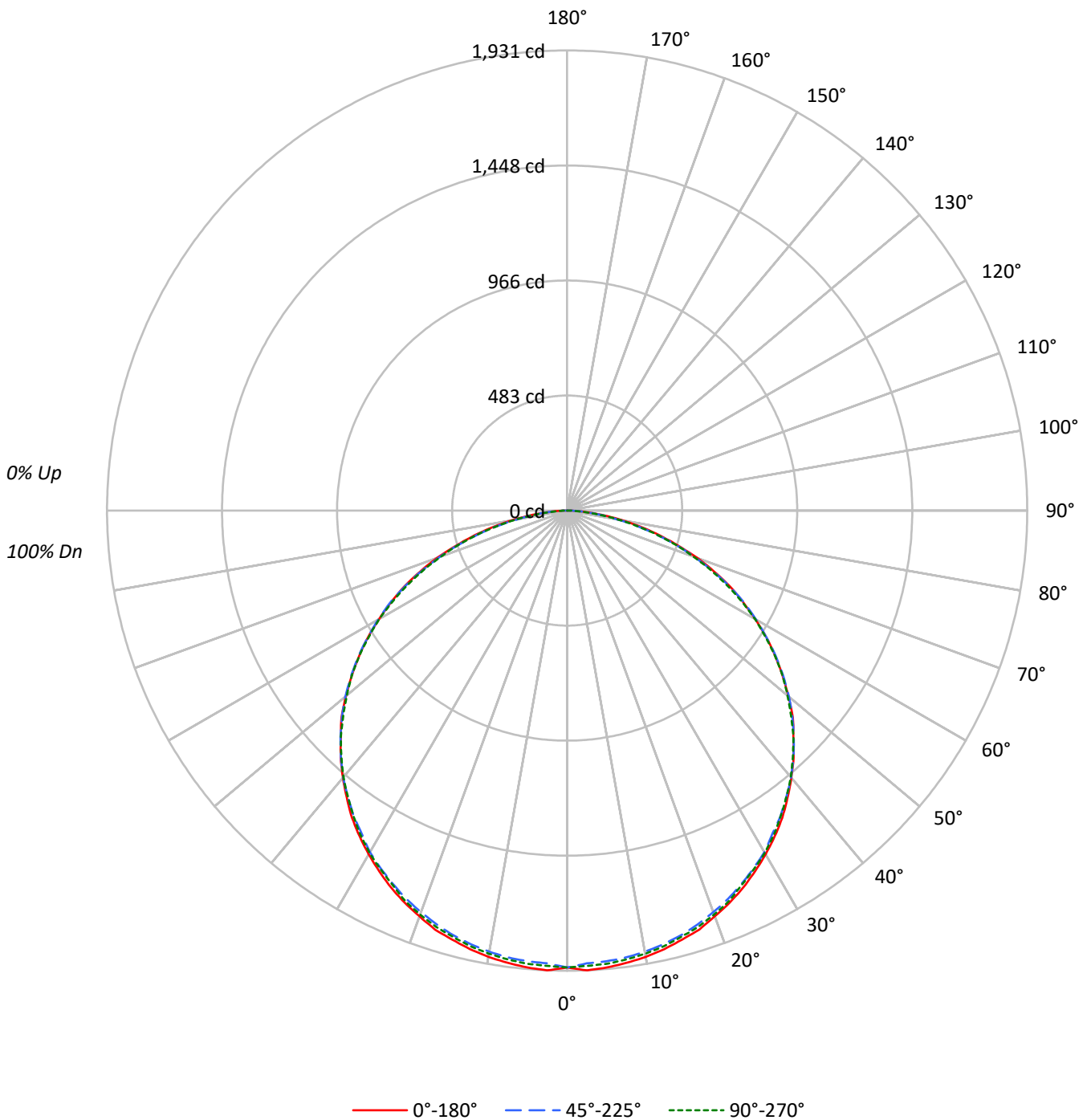
Lumens per Lamp: N/A
Luminaire Lumens: 5733.0 lumens
Efficiency: N/A
Efficacy: 174.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P567867

CATALOG NUMBER: 8SNX-52SL-UNV-L835-CD

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	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					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10319	10319	10319
5°	10396	10256	10312
10°	10394	10271	10318
15°	10385	10280	10318
20°	10379	10270	10330
25°	10372	10270	10291
30°	10352	10287	10309
35°	10343	10264	10275
40°	10285	10273	10261
45°	10223	10236	10223
50°	10150	10178	10106
55°	10015	10047	9999
60°	9818	9855	9799
65°	9617	9552	9420
70°	9144	8954	8845
75°	8355	8068	8104
80°	7215	6679	6840
85°	5428	5218	4687



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.9	3.2
10°-20°	524.1	9.1
20°-30°	801.9	14.0
30°-40°	980.5	17.1
40°-50°	1037.2	18.1
50°-60°	955.7	16.7
60°-70°	736.4	12.8
70°-80°	412.6	7.2
80°-90°	102.6	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°	1508.0	26.3
0°-40°	2488.5	43.4
0°-60°	4481.4	78.2
0°-90°	5733.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5733.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1917	1917	1917	1917	1917	
5°	1924	1917	1898	1917	1909	183
15°	1864	1860	1845	1860	1852	527
25°	1747	1743	1730	1743	1733	805
35°	1574	1571	1562	1567	1564	984
45°	1343	1348	1345	1343	1343	1038
55°	1067	1076	1071	1071	1066	953
65°	755	755	750	731	740	743
75°	402	397	388	374	390	426
85°	88	83	84	84	76	109
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1917.4	1917.4	1917.4	1917.4	1917.4
2.5°	1931.2	1922.6	1901.9	1920.8	1912.2
5°	1924.3	1917.4	1898.4	1917.4	1908.8
7.5°	1913.9	1908.8	1891.5	1908.8	1900.2
10°	1901.9	1896.7	1879.5	1896.7	1888.1
12.5°	1884.6	1881.2	1863.9	1881.2	1872.6
15°	1863.9	1860.5	1845.0	1860.5	1851.9
17.5°	1843.3	1836.4	1820.8	1838.1	1831.2
20°	1812.2	1808.8	1793.2	1808.8	1803.6
22.5°	1781.2	1777.7	1763.9	1777.7	1774.3
25°	1746.7	1743.2	1729.5	1743.2	1732.9
27.5°	1707.0	1708.8	1693.2	1701.9	1696.7
30°	1665.7	1665.7	1655.3	1658.8	1658.8
32.5°	1620.8	1620.8	1605.3	1615.6	1613.9
35°	1574.3	1570.8	1562.2	1567.4	1563.9
37.5°	1519.1	1517.4	1512.2	1515.6	1512.2
40°	1463.9	1465.6	1462.2	1460.5	1460.5
42.5°	1407.0	1410.5	1405.3	1403.6	1401.8
45°	1343.2	1348.4	1344.9	1343.2	1343.2
47.5°	1284.6	1286.3	1281.1	1279.4	1274.2
50°	1212.2	1219.1	1215.6	1212.2	1207.0
52.5°	1139.7	1150.1	1143.2	1139.7	1139.7
55°	1067.3	1075.9	1070.8	1070.8	1065.6
57.5°	991.5	1000.1	993.2	993.2	986.3
60°	912.1	920.8	915.6	910.4	910.4
62.5°	832.8	839.7	838.0	829.4	824.2
65°	755.2	755.2	750.1	731.1	739.7
67.5°	667.3	665.6	658.7	639.7	651.8
70°	581.1	581.1	569.0	546.6	562.1
72.5°	488.0	493.1	477.6	462.1	477.6
75°	401.8	396.6	388.0	374.2	389.7
77.5°	319.0	310.4	300.0	293.1	301.7
80°	232.8	227.6	215.5	215.5	220.7
82.5°	158.6	153.5	144.8	146.6	139.7
85°	87.9	82.8	84.5	84.5	75.9
87.5°	36.2	36.2	36.2	32.8	29.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)