

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: P567869

Luminaire Tested: **8SNX-52SL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567869
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-L850-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

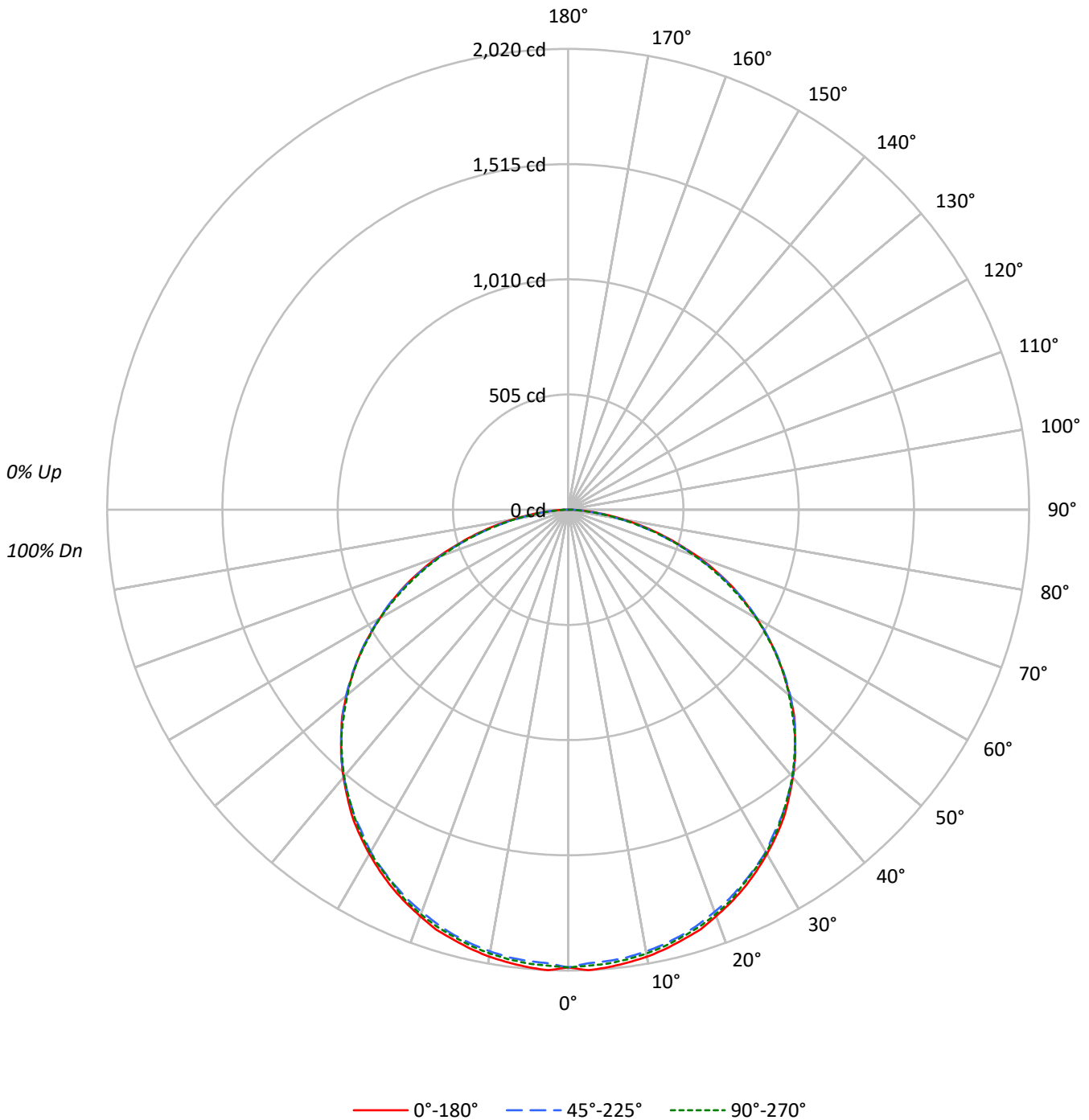
Lumens per Lamp: N/A
Luminaire Lumens: 5998.0 lumens
Efficiency: N/A
Efficacy: 182.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P567869

CATALOG NUMBER: 8SNX-52SL-UNV-L850-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567869

CATALOG NUMBER: 8SNX-52SL-UNV-L850-CD

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°	10796	10796	10796
5°	10876	10730	10789
10°	10874	10746	10796
15°	10866	10755	10795
20°	10859	10745	10808
25°	10852	10745	10766
30°	10829	10762	10785
35°	10821	10738	10750
40°	10760	10748	10735
45°	10696	10710	10696
50°	10618	10649	10573
55°	10478	10512	10461
60°	10272	10311	10253
65°	10062	9993	9855
70°	9566	9368	9254
75°	8740	8440	8478
80°	7547	6989	7156
85°	5681	5459	4903



TEST NUMBER: P567869

CATALOG NUMBER: 8SNX-52SL-UNV-L850-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.3	3.2
10°-20°	548.4	9.1
20°-30°	839.0	14.0
30°-40°	1025.9	17.1
40°-50°	1085.2	18.1
50°-60°	999.9	16.7
60°-70°	770.4	12.8
70°-80°	431.7	7.2
80°-90°	107.3	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°	1577.7	26.3
0°-40°	2603.5	43.4
0°-60°	4688.5	78.2
0°-90°	5998.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5998.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2006	2006	2006	2006	2006	
5°	2013	2006	1986	2006	1997	191
15°	1950	1946	1930	1946	1938	551
25°	1827	1824	1809	1824	1813	842
35°	1647	1643	1634	1640	1636	1029
45°	1405	1411	1407	1405	1405	1086
55°	1117	1126	1120	1120	1115	997
65°	790	790	785	765	774	777
75°	420	415	406	392	408	446
85°	92	87	88	88	79	114
90°	0	0	0	0	0	



TEST NUMBER: P567869

CATALOG NUMBER: 8SNX-52SL-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2006.0	2006.0	2006.0	2006.0	2006.0
2.5°	2020.5	2011.4	1989.8	2009.6	2000.6
5°	2013.2	2006.0	1986.2	2006.0	1997.0
7.5°	2002.4	1997.0	1979.0	1997.0	1988.0
10°	1989.8	1984.4	1966.3	1984.4	1975.4
12.5°	1971.8	1968.1	1950.1	1968.1	1959.1
15°	1950.1	1946.5	1930.3	1946.5	1937.5
17.5°	1928.5	1921.2	1905.0	1923.0	1915.8
20°	1896.0	1892.4	1876.1	1892.4	1887.0
22.5°	1863.5	1859.9	1845.5	1859.9	1856.3
25°	1827.4	1823.8	1809.4	1823.8	1813.0
27.5°	1785.9	1787.7	1771.5	1780.5	1775.1
30°	1742.6	1742.6	1731.8	1735.4	1735.4
32.5°	1695.7	1695.7	1679.5	1690.3	1688.5
35°	1647.0	1643.4	1634.4	1639.8	1636.2
37.5°	1589.3	1587.5	1582.1	1585.7	1582.1
40°	1531.6	1533.4	1529.8	1528.0	1528.0
42.5°	1472.0	1475.7	1470.2	1468.4	1466.6
45°	1405.3	1410.7	1407.1	1405.3	1405.3
47.5°	1344.0	1345.8	1340.4	1338.6	1333.1
50°	1268.2	1275.4	1271.8	1268.2	1262.8
52.5°	1192.4	1203.3	1196.0	1192.4	1192.4
55°	1116.7	1125.7	1120.3	1120.3	1114.9
57.5°	1037.3	1046.3	1039.1	1039.1	1031.9
60°	954.3	963.3	957.9	952.5	952.5
62.5°	871.3	878.5	876.7	867.7	862.3
65°	790.1	790.1	784.7	764.9	773.9
67.5°	698.1	696.3	689.1	669.3	681.9
70°	607.9	607.9	595.3	571.9	588.1
72.5°	510.5	515.9	499.7	483.5	499.7
75°	420.3	414.9	405.9	391.5	407.7
77.5°	333.7	324.7	313.9	306.7	315.7
80°	243.5	238.1	225.5	225.5	230.9
82.5°	166.0	160.6	151.5	153.3	146.1
85°	92.0	86.6	88.4	88.4	79.4
87.5°	37.9	37.9	37.9	34.3	30.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)