

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: P568047

Luminaire Tested: **8SNX-82SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568047
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-82SL-LW-UNV-L935-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

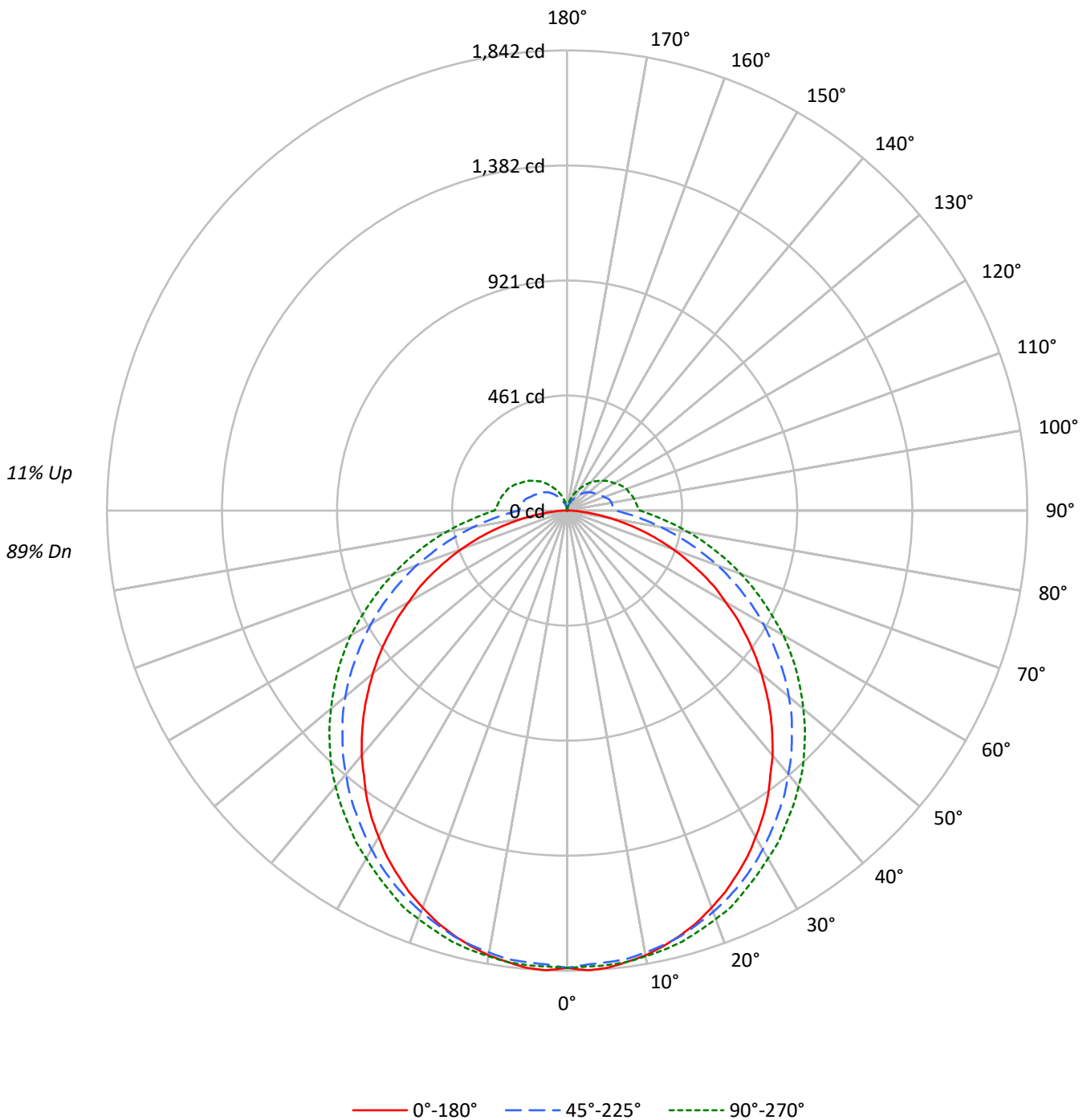
Lumens per Lamp: N/A
Luminaire Lumens: 6516.0 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 52.6
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

TEST NUMBER: P568047

CATALOG NUMBER: 8SNX-82SL-LW-UNV-L935-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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9851	9851	9851
5°	9911	9407	9324
10°	9843	9042	8858
15°	9745	8688	8439
20°	9610	8319	8019
25°	9455	7965	7608
30°	9270	7600	7214
35°	9067	7233	6846
40°	8834	6874	6495
45°	8582	6513	6135
50°	8294	6142	5758
55°	7979	5727	5388
60°	7606	5292	4996
65°	7223	4824	4549
70°	6684	4323	4111
75°	5972	3736	3645
80°	4812	3145	3180
85°	3386	2595	2704



TEST NUMBER: P568047

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.9	2.7
10°-20°	499.7	7.7
20°-30°	759.8	11.7
30°-40°	922.3	14.2
40°-50°	974.6	15.0
50°-60°	912.0	14.0
60°-70°	748.3	11.5
70°-80°	514.7	7.9
80°-90°	281.9	4.3
90°-100°	181.5	2.8
100°-110°	162.9	2.5
110°-120°	134.8	2.1
120°-130°	103.8	1.6
130°-140°	72.9	1.1
140°-150°	44.0	0.7
150°-160°	21.0	0.3
160°-170°	6.9	0.1
170°-180°	0.8	0.0
0°-30°	1433.4	22.0
0°-40°	2355.7	36.2
0°-60°	4242.4	65.1
0°-90°	5787.3	88.8
90°-120°	479.2	7.4
90°-150°	699.9	10.7
90°-180°	729.0	11.2
0°-180°	6516.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1830	1830	1830	1830	1830	
5°	1838	1834	1815	1830	1827	174
15°	1759	1766	1762	1785	1785	496
25°	1608	1627	1645	1679	1679	741
35°	1400	1434	1476	1517	1528	875
45°	1151	1204	1272	1328	1344	887
55°	876	947	1034	1098	1121	784
65°	592	672	774	845	868	587
75°	310	392	506	585	611	326
85°	68	162	276	351	377	78
90°	0	91	192	264	291	5
95°	0	87	185	253	279	0
105°	0	72	174	238	260	3
115°	4	64	147	211	238	4
125°	4	53	124	181	204	3
135°	4	42	102	147	166	3
145°	4	30	72	113	124	2
155°	4	19	45	72	83	2
165°	4	11	23	34	42	1
175°	4	4	8	8	4	0
180°	4	4	4	4	4	



TEST NUMBER: P568047

CATALOG NUMBER: 8SNX-82SL-LW-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1830.4	1830.4	1830.4	1830.4	1830.4
2.5°	1841.7	1837.9	1819.0	1834.1	1826.6
5°	1837.9	1834.1	1815.3	1830.4	1826.6
7.5°	1822.8	1822.8	1811.5	1826.6	1822.8
10°	1807.7	1807.7	1796.4	1815.3	1811.5
12.5°	1785.1	1788.8	1781.3	1803.9	1800.2
15°	1758.7	1766.2	1762.4	1785.1	1785.1
17.5°	1728.5	1736.0	1736.0	1762.4	1762.4
20°	1690.7	1702.0	1709.6	1739.8	1739.8
22.5°	1653.0	1668.1	1679.4	1705.8	1717.1
25°	1607.7	1626.6	1645.4	1679.4	1679.4
27.5°	1562.4	1585.1	1607.7	1641.7	1645.4
30°	1509.6	1536.0	1566.2	1600.1	1607.7
32.5°	1456.7	1490.7	1520.9	1562.4	1573.7
35°	1400.1	1434.1	1475.6	1517.1	1528.4
37.5°	1336.0	1377.5	1430.3	1475.6	1486.9
40°	1279.4	1324.7	1377.5	1430.3	1441.6
42.5°	1215.2	1264.3	1328.4	1377.5	1396.4
45°	1151.1	1203.9	1271.8	1328.4	1343.5
47.5°	1083.1	1143.5	1219.0	1271.8	1290.7
50°	1015.2	1079.3	1158.6	1219.0	1234.1
52.5°	947.3	1015.2	1098.2	1158.6	1177.5
55°	875.6	947.3	1034.1	1098.2	1120.9
57.5°	807.6	879.3	969.9	1037.8	1060.5
60°	732.1	815.2	905.7	973.7	1000.1
62.5°	668.0	743.5	841.6	909.5	932.2
65°	592.5	671.8	773.7	845.4	868.0
67.5°	520.8	603.8	705.7	781.2	803.8
70°	449.1	532.1	641.6	713.3	739.7
72.5°	377.4	464.2	569.9	649.1	675.5
75°	309.5	392.5	505.7	585.0	611.4
77.5°	237.8	328.3	441.6	520.8	551.0
80°	173.6	267.9	381.2	460.4	490.6
82.5°	117.0	211.3	324.6	403.8	434.0
85°	67.9	162.3	275.5	351.0	377.4
87.5°	34.0	124.5	230.2	305.7	332.1
90°	0.0	90.6	192.5	264.2	290.6
92.5°	0.0	86.8	188.7	256.6	283.0
95°	0.0	86.8	184.9	252.9	279.3
97.5°	0.0	83.0	181.1	252.9	275.5
100°	0.0	79.3	181.1	249.1	271.7
102.5°	0.0	75.5	177.4	245.3	267.9
105°	0.0	71.7	173.6	237.8	260.4
107.5°	3.8	71.7	166.1	234.0	256.6
110°	3.8	67.9	158.5	230.2	252.9



TEST NUMBER: P568047

CATALOG NUMBER: 8SNX-82SL-LW-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.8	64.2	151.0	222.7	245.3
115°	3.8	64.2	147.2	211.3	237.8
117.5°	3.8	60.4	139.6	203.8	230.2
120°	3.8	60.4	135.9	196.2	218.9
122.5°	3.8	56.6	128.3	188.7	211.3
125°	3.8	52.8	124.5	181.1	203.8
127.5°	3.8	49.1	120.8	173.6	196.2
130°	3.8	45.3	113.2	166.1	184.9
132.5°	3.8	45.3	109.4	154.7	177.4
135°	3.8	41.5	101.9	147.2	166.1
137.5°	3.8	37.7	94.3	139.6	158.5
140°	3.8	34.0	86.8	132.1	147.2
142.5°	3.8	34.0	79.3	120.8	135.9
145°	3.8	30.2	71.7	113.2	124.5
147.5°	3.8	26.4	64.2	101.9	113.2
150°	3.8	26.4	56.6	90.6	101.9
152.5°	3.8	22.6	49.1	83.0	94.3
155°	3.8	18.9	45.3	71.7	83.0
157.5°	3.8	18.9	37.7	60.4	71.7
160°	3.8	15.1	34.0	49.1	60.4
162.5°	3.8	15.1	30.2	41.5	52.8
165°	3.8	11.3	22.6	34.0	41.5
167.5°	3.8	11.3	18.9	26.4	34.0
170°	3.8	7.5	15.1	18.9	26.4
172.5°	3.8	7.5	11.3	11.3	11.3
175°	3.8	3.8	7.5	7.5	3.8
177.5°	3.8	3.8	3.8	3.8	3.8
180°	3.8	3.8	3.8	3.8	3.8

(END OF REPORT)