

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: P568023

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568023
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-82SL-FDL-UNV-L935-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

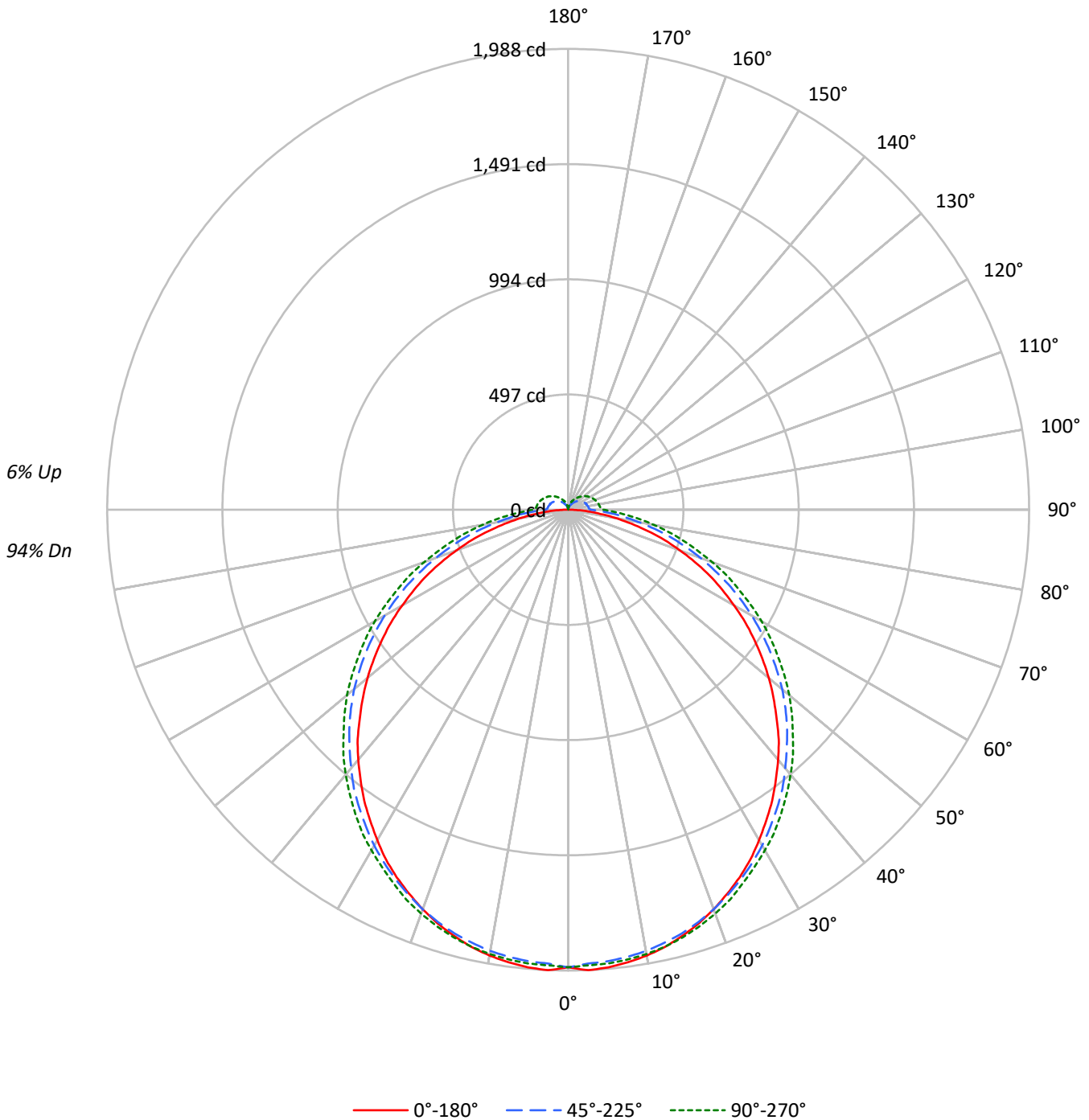
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6273.0 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: 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

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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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10624	10624	10624
5°	10702	10451	10464
10°	10663	10342	10332
15°	10588	10214	10185
20°	10484	10059	10011
25°	10365	9889	9806
30°	10200	9715	9616
35°	10035	9511	9418
40°	9853	9285	9196
45°	9622	9062	8936
50°	9400	8807	8699
55°	9126	8491	8369
60°	8817	8129	8044
65°	8492	7698	7597
70°	7928	7155	7134
75°	7251	6516	6579
80°	6253	5666	5965
85°	5047	4939	5242



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.2	3.0
10°-20°	537.2	8.6
20°-30°	814.1	13.0
30°-40°	982.8	15.7
40°-50°	1026.3	16.4
50°-60°	942.8	15.0
60°-70°	745.6	11.9
70°-80°	471.8	7.5
80°-90°	202.8	3.2
90°-100°	89.3	1.4
100°-110°	79.9	1.3
110°-120°	67.5	1.1
120°-130°	52.6	0.8
130°-140°	36.4	0.6
140°-150°	21.8	0.3
150°-160°	10.7	0.2
160°-170°	3.7	0.1
170°-180°	0.5	0.0
0°-30°	1538.5	24.5
0°-40°	2521.3	40.2
0°-60°	4490.3	71.6
0°-90°	5910.6	94.2
90°-120°	236.7	3.8
90°-150°	347.5	5.5
90°-180°	362.0	5.8
0°-180°	6273.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1974	1974	1974	1974	1974	
5°	1982	1976	1955	1972	1965	188
15°	1903	1903	1893	1913	1910	537
25°	1750	1757	1760	1783	1780	806
35°	1533	1551	1571	1595	1601	958
45°	1271	1302	1335	1361	1370	982
55°	980	1020	1062	1096	1104	877
65°	674	712	762	798	810	664
75°	356	398	456	494	513	377
85°	87	133	191	232	247	96
90°	6	48	98	137	151	7
95°	1	41	89	124	138	1
105°	1	38	83	117	129	1
115°	1	32	76	106	117	1
125°	2	29	63	91	101	2
135°	2	22	51	72	81	2
145°	2	17	36	54	60	1
155°	2	11	23	34	41	1
165°	3	8	12	17	23	1
175°	3	4	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1974.0	1974.0	1974.0	1974.0	1974.0
2.5°	1988.4	1981.8	1959.6	1975.1	1967.3
5°	1981.8	1976.2	1955.1	1971.8	1965.1
7.5°	1969.6	1965.1	1946.2	1964.0	1957.3
10°	1952.9	1949.6	1932.9	1950.7	1946.2
12.5°	1931.8	1930.7	1914.0	1934.0	1930.7
15°	1902.9	1902.9	1892.9	1912.9	1909.6
17.5°	1871.8	1872.9	1865.1	1886.2	1884.0
20°	1834.0	1839.6	1834.0	1856.2	1854.0
22.5°	1792.9	1800.7	1798.5	1820.7	1821.8
25°	1749.6	1757.4	1759.6	1782.9	1779.6
27.5°	1701.8	1714.1	1718.5	1739.6	1738.5
30°	1646.3	1663.0	1673.0	1690.7	1696.3
32.5°	1589.6	1609.6	1621.9	1646.3	1653.0
35°	1533.0	1550.8	1570.8	1595.2	1600.7
37.5°	1470.8	1490.8	1517.4	1540.8	1547.4
40°	1408.6	1430.8	1456.3	1481.9	1491.9
42.5°	1344.1	1367.5	1395.2	1425.2	1435.2
45°	1270.8	1301.9	1335.3	1360.8	1369.7
47.5°	1200.8	1235.3	1270.8	1298.6	1308.6
50°	1129.7	1166.4	1204.2	1229.7	1245.3
52.5°	1055.3	1095.3	1133.1	1165.3	1175.3
55°	979.8	1019.8	1062.0	1096.4	1104.2
57.5°	906.5	945.3	987.6	1019.8	1035.3
60°	826.5	868.7	914.2	946.5	963.1
62.5°	748.7	789.8	838.7	873.1	886.5
65°	674.3	712.1	762.0	797.6	809.8
67.5°	592.1	635.4	683.2	724.3	739.8
70°	511.0	552.1	606.5	645.4	661.0
72.5°	435.5	475.4	529.9	568.8	583.2
75°	355.5	397.7	455.5	494.3	513.2
77.5°	278.8	325.5	381.0	423.2	444.3
80°	207.7	248.8	308.8	355.5	374.4
82.5°	141.1	185.5	247.7	291.0	312.2
85°	86.6	133.3	191.1	232.2	246.6
87.5°	41.1	85.5	138.9	178.8	196.6
90°	5.6	47.8	97.8	136.6	151.1
92.5°	1.1	41.1	90.0	126.6	140.0
95°	1.1	41.1	88.9	124.4	137.7
97.5°	1.1	40.0	87.8	123.3	135.5
100°	1.1	38.9	86.6	121.1	134.4
102.5°	1.1	38.9	84.4	118.9	131.1
105°	1.1	37.8	83.3	116.6	128.9
107.5°	1.1	36.7	81.1	114.4	126.6
110°	1.1	34.4	80.0	111.1	123.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	33.3	77.8	108.9	120.0
115°	1.1	32.2	75.5	105.5	116.6
117.5°	1.1	31.1	72.2	102.2	113.3
120°	2.2	31.1	70.0	98.9	108.9
122.5°	2.2	30.0	66.7	94.4	104.4
125°	2.2	28.9	63.3	91.1	101.1
127.5°	2.2	27.8	60.0	86.6	95.5
130°	2.2	25.5	57.8	82.2	91.1
132.5°	2.2	24.4	54.4	76.6	85.5
135°	2.2	22.2	51.1	72.2	81.1
137.5°	2.2	21.1	47.8	67.8	75.5
140°	2.2	20.0	43.3	63.3	71.1
142.5°	2.2	17.8	40.0	58.9	65.5
145°	2.2	16.7	35.5	54.4	60.0
147.5°	2.2	14.4	32.2	50.0	55.5
150°	2.2	13.3	28.9	45.5	51.1
152.5°	2.2	12.2	25.5	40.0	45.5
155°	2.2	11.1	23.3	34.4	41.1
157.5°	2.2	10.0	20.0	30.0	36.7
160°	3.3	8.9	17.8	25.5	31.1
162.5°	3.3	7.8	14.4	21.1	27.8
165°	3.3	7.8	12.2	16.7	23.3
167.5°	3.3	6.7	10.0	13.3	18.9
170°	3.3	5.6	8.9	10.0	14.4
172.5°	3.3	4.4	6.7	6.7	7.8
175°	3.3	4.4	5.6	5.6	3.3
177.5°	3.3	3.3	3.3	3.3	2.2
180°	3.3	3.3	3.3	3.3	3.3

(END OF REPORT)