

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: P568025

Luminaire Tested: **8SNX-82SL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568025
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-L950-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

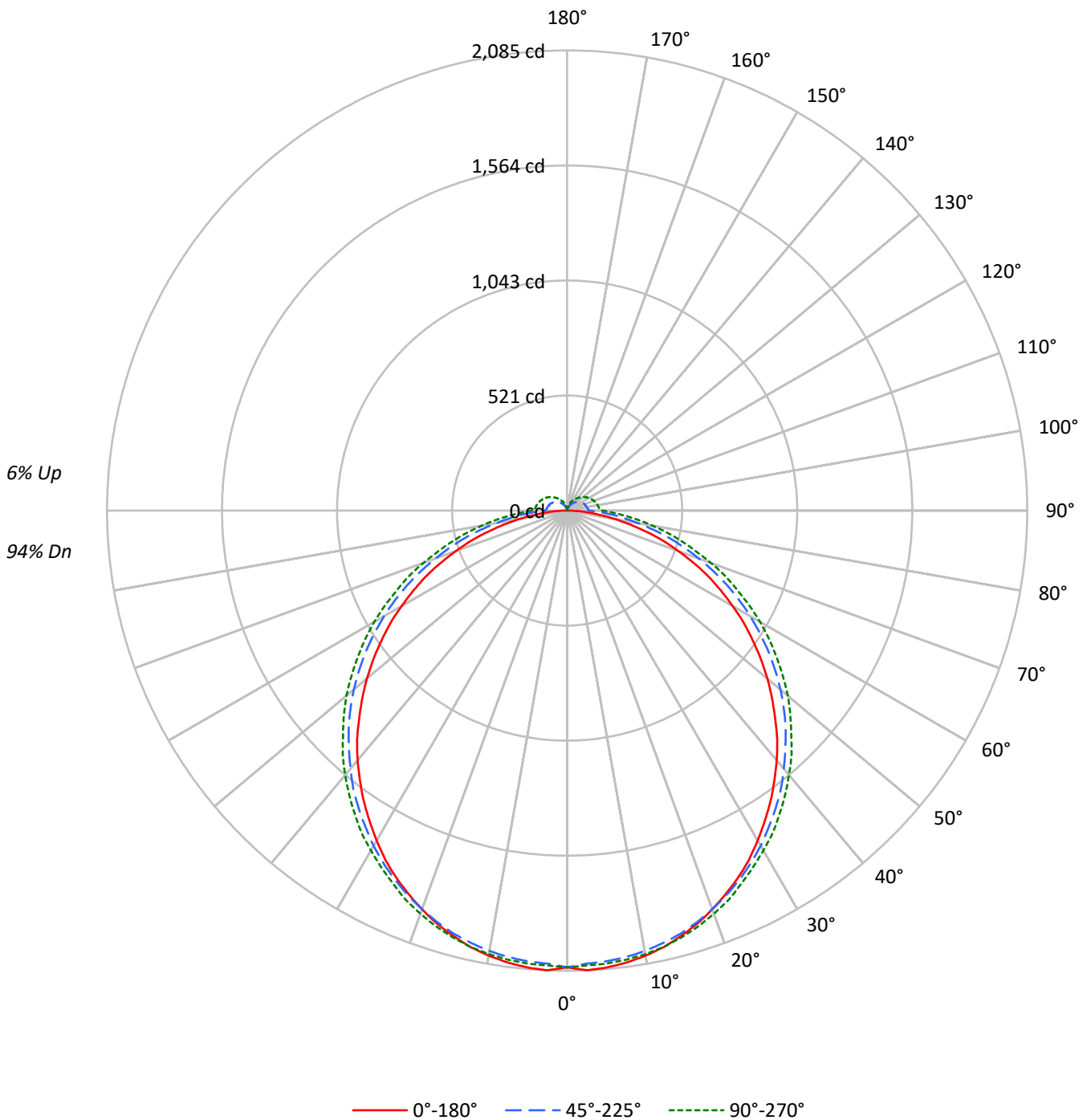
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6577.0 lumens
Efficiency: N/A
Efficacy: 125.0 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°	11139	11139	11139
5°	11220	10958	10971
10°	11179	10843	10833
15°	11101	10709	10678
20°	10992	10547	10497
25°	10867	10368	10281
30°	10695	10186	10082
35°	10522	9972	9874
40°	10330	9735	9641
45°	10089	9501	9369
50°	9856	9233	9120
55°	9568	8902	8774
60°	9244	8523	8435
65°	8904	8071	7966
70°	8312	7502	7480
75°	7602	6831	6898
80°	6557	5941	6254
85°	5292	5177	5497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.3	3.0
10°-20°	563.2	8.6
20°-30°	853.5	13.0
30°-40°	1030.4	15.7
40°-50°	1076.0	16.4
50°-60°	988.5	15.0
60°-70°	781.7	11.9
70°-80°	494.7	7.5
80°-90°	212.7	3.2
90°-100°	93.6	1.4
100°-110°	83.8	1.3
110°-120°	70.8	1.1
120°-130°	55.1	0.8
130°-140°	38.2	0.6
140°-150°	22.9	0.3
150°-160°	11.2	0.2
160°-170°	3.9	0.1
170°-180°	0.6	0.0
0°-30°	1613.0	24.5
0°-40°	2643.4	40.2
0°-60°	4707.9	71.6
0°-90°	6197.0	94.2
90°-120°	248.1	3.8
90°-150°	364.4	5.5
90°-180°	380.0	5.8
0°-180°	6577.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2070	2070	2070	2070	2070	
5°	2078	2072	2050	2067	2060	197
15°	1995	1995	1985	2006	2002	563
25°	1834	1842	1845	1869	1866	845
35°	1607	1626	1647	1672	1678	1005
45°	1332	1365	1400	1427	1436	1029
55°	1027	1069	1113	1150	1158	919
65°	707	747	799	836	849	696
75°	373	417	478	518	538	395
85°	91	140	200	243	259	100
90°	6	50	102	143	158	8
95°	1	43	93	130	144	1
105°	1	40	87	122	135	1
115°	1	34	79	111	122	1
125°	2	30	66	96	106	2
135°	2	23	54	76	85	2
145°	2	18	37	57	63	1
155°	2	12	24	36	43	1
165°	4	8	13	18	24	1
175°	4	5	6	6	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2069.7	2069.7	2069.7	2069.7	2069.7
2.5°	2084.8	2077.8	2054.5	2070.8	2062.7
5°	2077.8	2072.0	2049.9	2067.3	2060.3
7.5°	2065.0	2060.3	2040.5	2059.2	2052.2
10°	2047.5	2044.0	2026.6	2045.2	2040.5
12.5°	2025.4	2024.2	2006.8	2027.7	2024.2
15°	1995.1	1995.1	1984.6	2005.6	2002.1
17.5°	1962.5	1963.7	1955.5	1977.6	1975.3
20°	1922.9	1928.7	1922.9	1946.2	1943.9
22.5°	1879.8	1888.0	1885.6	1908.9	1910.1
25°	1834.4	1842.5	1844.9	1869.3	1865.8
27.5°	1784.3	1797.1	1801.8	1823.9	1822.7
30°	1726.1	1743.5	1754.0	1772.7	1778.5
32.5°	1666.7	1687.6	1700.5	1726.1	1733.1
35°	1607.3	1625.9	1646.9	1672.5	1678.3
37.5°	1542.1	1563.0	1591.0	1615.4	1622.4
40°	1476.8	1500.1	1526.9	1553.7	1564.2
42.5°	1409.3	1433.7	1462.9	1494.3	1504.8
45°	1332.4	1365.0	1400.0	1426.7	1436.1
47.5°	1259.0	1295.1	1332.4	1361.5	1372.0
50°	1184.5	1222.9	1262.5	1289.3	1305.6
52.5°	1106.5	1148.4	1188.0	1221.8	1232.2
55°	1027.3	1069.2	1113.4	1149.6	1157.7
57.5°	950.4	991.2	1035.4	1069.2	1085.5
60°	866.5	910.8	958.5	992.3	1009.8
62.5°	785.0	828.1	879.3	915.4	929.4
65°	707.0	746.6	799.0	836.2	849.1
67.5°	620.8	666.2	716.3	759.4	775.7
70°	535.8	578.9	635.9	676.7	693.0
72.5°	456.6	498.5	555.6	596.3	611.5
75°	372.7	417.0	477.5	518.3	538.1
77.5°	292.3	341.3	399.5	443.7	465.9
80°	217.8	260.9	323.8	372.7	392.5
82.5°	147.9	194.5	259.7	305.1	327.3
85°	90.8	139.8	200.3	243.4	258.6
87.5°	43.1	89.7	145.6	187.5	206.2
90°	5.8	50.1	102.5	143.3	158.4
92.5°	1.2	43.1	94.3	132.8	146.8
95°	1.2	43.1	93.2	130.4	144.4
97.5°	1.2	41.9	92.0	129.3	142.1
100°	1.2	40.8	90.8	127.0	140.9
102.5°	1.2	40.8	88.5	124.6	137.4
105°	1.2	39.6	87.4	122.3	135.1
107.5°	1.2	38.4	85.0	120.0	132.8
110°	1.2	36.1	83.9	116.5	129.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	34.9	81.5	114.1	125.8
115°	1.2	33.8	79.2	110.6	122.3
117.5°	1.2	32.6	75.7	107.2	118.8
120°	2.3	32.6	73.4	103.7	114.1
122.5°	2.3	31.4	69.9	99.0	109.5
125°	2.3	30.3	66.4	95.5	106.0
127.5°	2.3	29.1	62.9	90.8	100.2
130°	2.3	26.8	60.6	86.2	95.5
132.5°	2.3	25.6	57.1	80.4	89.7
135°	2.3	23.3	53.6	75.7	85.0
137.5°	2.3	22.1	50.1	71.0	79.2
140°	2.3	21.0	45.4	66.4	74.5
142.5°	2.3	18.6	41.9	61.7	68.7
145°	2.3	17.5	37.3	57.1	62.9
147.5°	2.3	15.1	33.8	52.4	58.2
150°	2.3	14.0	30.3	47.8	53.6
152.5°	2.3	12.8	26.8	41.9	47.8
155°	2.3	11.6	24.5	36.1	43.1
157.5°	2.3	10.5	21.0	31.4	38.4
160°	3.5	9.3	18.6	26.8	32.6
162.5°	3.5	8.2	15.1	22.1	29.1
165°	3.5	8.2	12.8	17.5	24.5
167.5°	3.5	7.0	10.5	14.0	19.8
170°	3.5	5.8	9.3	10.5	15.1
172.5°	3.5	4.7	7.0	7.0	8.2
175°	3.5	4.7	5.8	5.8	3.5
177.5°	3.5	3.5	3.5	3.5	2.3
180°	3.5	3.5	3.5	3.5	3.5

(END OF REPORT)