

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: P568051

Luminaire Tested: **8SNX-82SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568051
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-SLW-UNV-L835-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

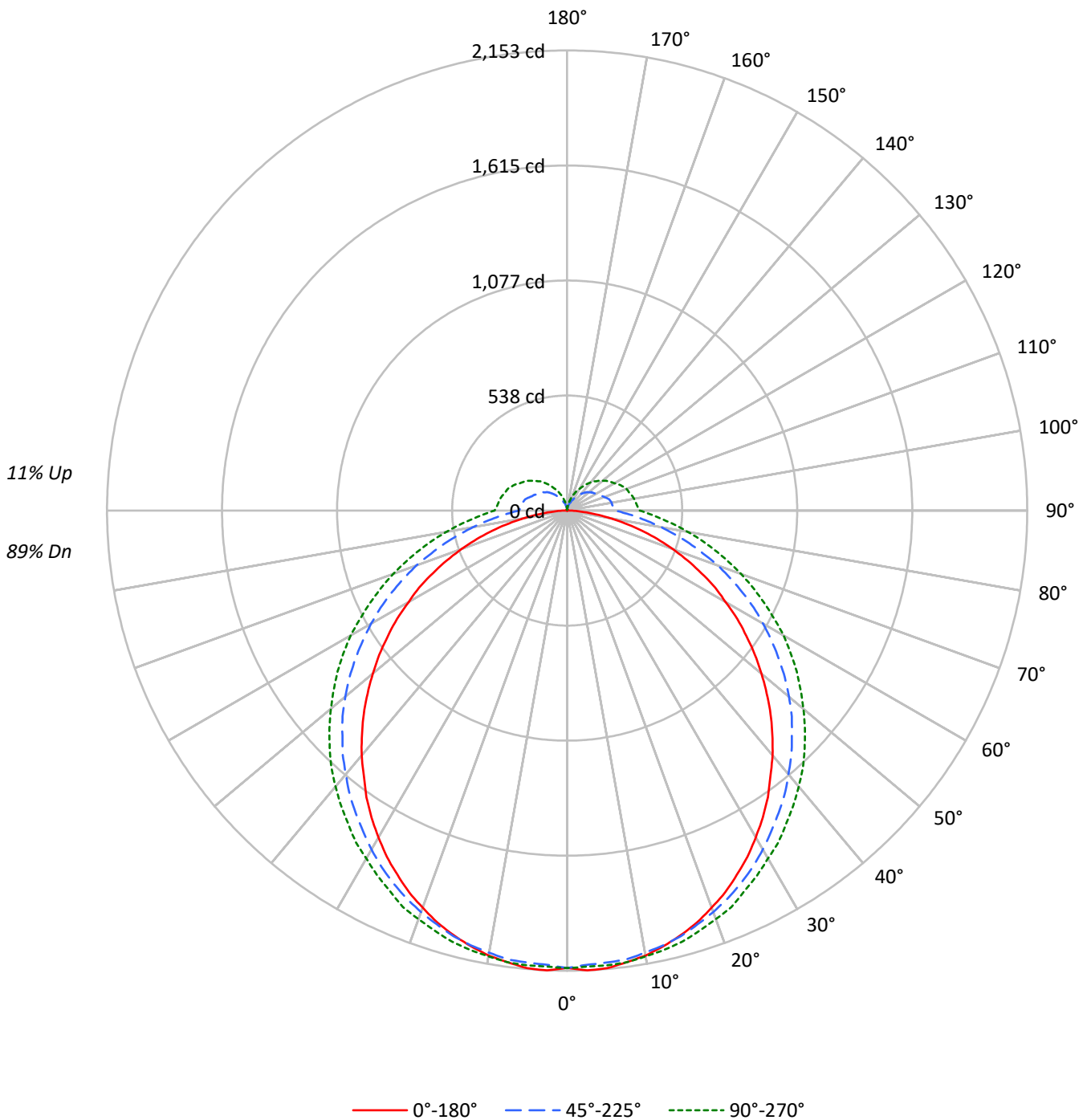
Lumens per Lamp: N/A
Luminaire Lumens: 7619.0 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 52.6
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

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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	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°	11518	11518	11518
5°	11599	11229	11213
10°	11530	11009	10935
15°	11426	10783	10679
20°	11280	10522	10395
25°	11109	10266	10098
30°	10904	9985	9803
35°	10678	9693	9527
40°	10419	9406	9263
45°	10139	9113	8976
50°	9817	8803	8657
55°	9466	8430	8342
60°	9052	8032	7992
65°	8631	7583	7549
70°	8034	7089	7118
75°	7243	6459	6639
80°	5942	5821	6168
85°	4383	5280	5683



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.3	2.7
10°-20°	584.3	7.7
20°-30°	888.4	11.7
30°-40°	1078.5	14.2
40°-50°	1139.6	15.0
50°-60°	1066.4	14.0
60°-70°	875.0	11.5
70°-80°	601.8	7.9
80°-90°	329.6	4.3
90°-100°	212.2	2.8
100°-110°	190.4	2.5
110°-120°	157.6	2.1
120°-130°	121.4	1.6
130°-140°	85.3	1.1
140°-150°	51.4	0.7
150°-160°	24.6	0.3
160°-170°	8.1	0.1
170°-180°	1.0	0.0
0°-30°	1676.0	22.0
0°-40°	2754.5	36.2
0°-60°	4960.5	65.1
0°-90°	6767.0	88.8
90°-120°	560.3	7.4
90°-150°	818.4	10.7
90°-180°	852.0	11.2
0°-180°	7619.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2140	2140	2140	2140	2140	
5°	2149	2145	2122	2140	2136	204
15°	2056	2065	2061	2087	2087	580
25°	1880	1902	1924	1964	1964	866
35°	1637	1677	1725	1774	1787	1023
45°	1346	1408	1487	1553	1571	1037
55°	1024	1108	1209	1284	1311	916
65°	693	786	905	988	1015	686
75°	362	459	591	684	715	381
85°	79	190	322	410	441	92
90°	0	106	225	309	340	5
95°	0	102	216	296	326	0
105°	0	84	203	278	304	3
115°	4	75	172	247	278	4
125°	4	62	146	212	238	4
135°	4	48	119	172	194	3
145°	4	35	84	132	146	3
155°	4	22	53	84	97	2
165°	4	13	26	40	48	1
175°	4	4	9	9	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2140.2	2140.2	2140.2	2140.2	2140.2
2.5°	2153.4	2149.0	2127.0	2144.6	2135.8
5°	2149.0	2144.6	2122.5	2140.2	2135.8
7.5°	2131.4	2131.4	2118.1	2135.8	2131.4
10°	2113.7	2113.7	2100.5	2122.5	2118.1
12.5°	2087.2	2091.7	2082.8	2109.3	2104.9
15°	2056.4	2065.2	2060.8	2087.2	2087.2
17.5°	2021.1	2029.9	2029.9	2060.8	2060.8
20°	1976.9	1990.2	1999.0	2034.3	2034.3
22.5°	1932.8	1950.4	1963.7	1994.6	2007.8
25°	1879.8	1901.9	1924.0	1963.7	1963.7
27.5°	1826.9	1853.4	1879.8	1919.6	1924.0
30°	1765.1	1796.0	1831.3	1871.0	1879.8
32.5°	1703.3	1743.0	1778.3	1826.9	1840.1
35°	1637.1	1676.9	1725.4	1773.9	1787.2
37.5°	1562.1	1610.7	1672.4	1725.4	1738.6
40°	1495.9	1548.9	1610.7	1672.4	1685.7
42.5°	1420.9	1478.3	1553.3	1610.7	1632.7
45°	1345.9	1407.7	1487.1	1553.3	1570.9
47.5°	1266.5	1337.1	1425.3	1487.1	1509.2
50°	1187.0	1262.1	1354.7	1425.3	1443.0
52.5°	1107.6	1187.0	1284.1	1354.7	1376.8
55°	1023.8	1107.6	1209.1	1284.1	1310.6
57.5°	944.3	1028.2	1134.1	1213.5	1240.0
60°	856.1	953.2	1059.1	1138.5	1169.4
62.5°	781.1	869.3	984.0	1063.5	1090.0
65°	692.8	785.5	904.6	988.5	1014.9
67.5°	609.0	706.0	825.2	913.4	939.9
70°	525.1	622.2	750.2	834.0	864.9
72.5°	441.3	542.8	666.3	759.0	789.9
75°	361.8	458.9	591.3	684.0	714.9
77.5°	278.0	383.9	516.3	609.0	644.3
80°	203.0	313.3	445.7	538.4	573.7
82.5°	136.8	247.1	379.5	472.2	507.5
85°	79.4	189.7	322.1	410.4	441.3
87.5°	39.7	145.6	269.2	357.4	388.3
90°	0.0	105.9	225.1	308.9	339.8
92.5°	0.0	101.5	220.6	300.1	331.0
95°	0.0	101.5	216.2	295.7	326.5
97.5°	0.0	97.1	211.8	295.7	322.1
100°	0.0	92.7	211.8	291.2	317.7
102.5°	0.0	88.3	207.4	286.8	313.3
105°	0.0	83.8	203.0	278.0	304.5
107.5°	4.4	83.8	194.2	273.6	300.1
110°	4.4	79.4	185.3	269.2	295.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.4	75.0	176.5	260.4	286.8
115°	4.4	75.0	172.1	247.1	278.0
117.5°	4.4	70.6	163.3	238.3	269.2
120°	4.4	70.6	158.9	229.5	255.9
122.5°	4.4	66.2	150.0	220.6	247.1
125°	4.4	61.8	145.6	211.8	238.3
127.5°	4.4	57.4	141.2	203.0	229.5
130°	4.4	53.0	132.4	194.2	216.2
132.5°	4.4	53.0	128.0	180.9	207.4
135°	4.4	48.5	119.1	172.1	194.2
137.5°	4.4	44.1	110.3	163.3	185.3
140°	4.4	39.7	101.5	154.4	172.1
142.5°	4.4	39.7	92.7	141.2	158.9
145°	4.4	35.3	83.8	132.4	145.6
147.5°	4.4	30.9	75.0	119.1	132.4
150°	4.4	30.9	66.2	105.9	119.1
152.5°	4.4	26.5	57.4	97.1	110.3
155°	4.4	22.1	53.0	83.8	97.1
157.5°	4.4	22.1	44.1	70.6	83.8
160°	4.4	17.7	39.7	57.4	70.6
162.5°	4.4	17.7	35.3	48.5	61.8
165°	4.4	13.2	26.5	39.7	48.5
167.5°	4.4	13.2	22.1	30.9	39.7
170°	4.4	8.8	17.7	22.1	30.9
172.5°	4.4	8.8	13.2	13.2	13.2
175°	4.4	4.4	8.8	8.8	4.4
177.5°	4.4	4.4	4.4	4.4	4.4
180°	4.4	4.4	4.4	4.4	4.4

(END OF REPORT)