

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: P568049

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568049
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-L950-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

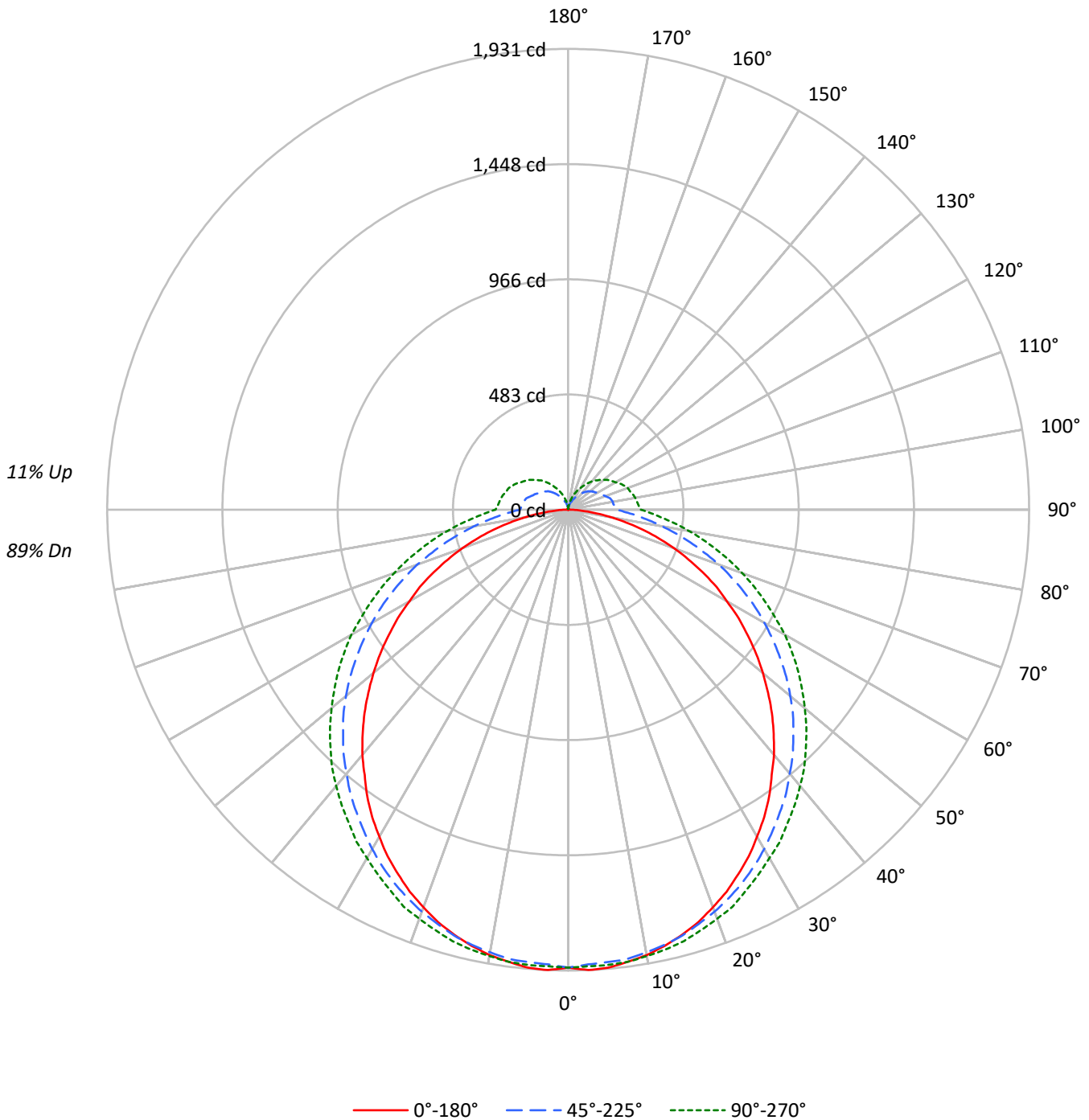
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6831.0 lumens
Efficiency: N/A
Efficacy: 129.9 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

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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°	10327	10327	10327
5°	10391	9862	9775
10°	10319	9479	9287
15°	10216	9108	8847
20°	10075	8721	8406
25°	9912	8351	7976
30°	9718	7967	7563
35°	9505	7582	7177
40°	9261	7206	6809
45°	8997	6828	6432
50°	8695	6439	6036
55°	8364	6003	5648
60°	7974	5548	5237
65°	7573	5057	4770
70°	7007	4531	4309
75°	6259	3918	3821
80°	5045	3296	3334
85°	3551	2720	2834



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.3	2.7
10°-20°	523.9	7.7
20°-30°	796.5	11.7
30°-40°	966.9	14.2
40°-50°	1021.8	15.0
50°-60°	956.1	14.0
60°-70°	784.5	11.5
70°-80°	539.6	7.9
80°-90°	295.5	4.3
90°-100°	190.3	2.8
100°-110°	170.8	2.5
110°-120°	141.3	2.1
120°-130°	108.8	1.6
130°-140°	76.5	1.1
140°-150°	46.1	0.7
150°-160°	22.1	0.3
160°-170°	7.2	0.1
170°-180°	0.9	0.0
0°-30°	1502.7	22.0
0°-40°	2469.6	36.2
0°-60°	4447.5	65.1
0°-90°	6067.1	88.8
90°-120°	502.4	7.4
90°-150°	733.8	10.7
90°-180°	764.0	11.2
0°-180°	6831.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1919	1919	1919	1919	1919	
5°	1927	1923	1903	1919	1915	183
15°	1844	1852	1848	1871	1871	520
25°	1685	1705	1725	1761	1761	777
35°	1468	1503	1547	1590	1602	917
45°	1207	1262	1333	1393	1408	930
55°	918	993	1084	1151	1175	821
65°	621	704	811	886	910	615
75°	324	412	530	613	641	342
85°	71	170	289	368	396	82
90°	0	95	202	277	305	5
95°	0	91	194	265	293	0
105°	0	75	182	249	273	3
115°	4	67	154	222	249	4
125°	4	55	131	190	214	4
135°	4	44	107	154	174	3
145°	4	32	75	119	131	3
155°	4	20	48	75	87	2
165°	4	12	24	36	44	1
175°	4	4	8	8	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1918.8	1918.8	1918.8	1918.8	1918.8
2.5°	1930.7	1926.8	1907.0	1922.8	1914.9
5°	1926.8	1922.8	1903.0	1918.8	1914.9
7.5°	1910.9	1910.9	1899.1	1914.9	1910.9
10°	1895.1	1895.1	1883.2	1903.0	1899.1
12.5°	1871.4	1875.3	1867.4	1891.1	1887.2
15°	1843.7	1851.6	1847.6	1871.4	1871.4
17.5°	1812.0	1819.9	1819.9	1847.6	1847.6
20°	1772.5	1784.3	1792.2	1823.9	1823.9
22.5°	1732.9	1748.7	1760.6	1788.3	1800.2
25°	1685.4	1705.2	1725.0	1760.6	1760.6
27.5°	1637.9	1661.7	1685.4	1721.0	1725.0
30°	1582.6	1610.2	1641.9	1677.5	1685.4
32.5°	1527.2	1562.8	1594.4	1637.9	1649.8
35°	1467.8	1503.4	1546.9	1590.5	1602.3
37.5°	1400.6	1444.1	1499.5	1546.9	1558.8
40°	1341.2	1388.7	1444.1	1499.5	1511.3
42.5°	1274.0	1325.4	1392.6	1444.1	1463.9
45°	1206.7	1262.1	1333.3	1392.6	1408.5
47.5°	1135.5	1198.8	1277.9	1333.3	1353.1
50°	1064.3	1131.5	1214.6	1277.9	1293.7
52.5°	993.1	1064.3	1151.3	1214.6	1234.4
55°	917.9	993.1	1084.0	1151.3	1175.0
57.5°	846.7	921.8	1016.8	1088.0	1111.7
60°	767.5	854.6	949.5	1020.7	1048.4
62.5°	700.3	779.4	882.3	953.5	977.2
65°	621.2	704.2	811.1	886.2	910.0
67.5°	546.0	633.0	739.8	819.0	842.7
70°	470.8	557.8	672.6	747.8	775.5
72.5°	395.6	486.6	597.4	680.5	708.2
75°	324.4	411.5	530.2	613.2	640.9
77.5°	249.3	344.2	462.9	546.0	577.6
80°	182.0	280.9	399.6	482.7	514.3
82.5°	122.6	221.6	340.2	423.3	455.0
85°	71.2	170.1	288.8	367.9	395.6
87.5°	35.6	130.6	241.3	320.5	348.2
90°	0.0	95.0	201.8	276.9	304.6
92.5°	0.0	91.0	197.8	269.0	296.7
95°	0.0	91.0	193.9	265.1	292.8
97.5°	0.0	87.0	189.9	265.1	288.8
100°	0.0	83.1	189.9	261.1	284.9
102.5°	0.0	79.1	185.9	257.2	280.9
105°	0.0	75.2	182.0	249.3	273.0
107.5°	4.0	75.2	174.1	245.3	269.0
110°	4.0	71.2	166.2	241.3	265.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.0	67.3	158.3	233.4	257.2
115°	4.0	67.3	154.3	221.6	249.3
117.5°	4.0	63.3	146.4	213.6	241.3
120°	4.0	63.3	142.4	205.7	229.5
122.5°	4.0	59.3	134.5	197.8	221.6
125°	4.0	55.4	130.6	189.9	213.6
127.5°	4.0	51.4	126.6	182.0	205.7
130°	4.0	47.5	118.7	174.1	193.9
132.5°	4.0	47.5	114.7	162.2	185.9
135°	4.0	43.5	106.8	154.3	174.1
137.5°	4.0	39.6	98.9	146.4	166.2
140°	4.0	35.6	91.0	138.5	154.3
142.5°	4.0	35.6	83.1	126.6	142.4
145°	4.0	31.7	75.2	118.7	130.6
147.5°	4.0	27.7	67.3	106.8	118.7
150°	4.0	27.7	59.3	95.0	106.8
152.5°	4.0	23.7	51.4	87.0	98.9
155°	4.0	19.8	47.5	75.2	87.0
157.5°	4.0	19.8	39.6	63.3	75.2
160°	4.0	15.8	35.6	51.4	63.3
162.5°	4.0	15.8	31.7	43.5	55.4
165°	4.0	11.9	23.7	35.6	43.5
167.5°	4.0	11.9	19.8	27.7	35.6
170°	4.0	7.9	15.8	19.8	27.7
172.5°	4.0	7.9	11.9	11.9	11.9
175°	4.0	4.0	7.9	7.9	4.0
177.5°	4.0	4.0	4.0	4.0	4.0
180°	4.0	4.0	4.0	4.0	4.0

(END OF REPORT)