

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: P568050

Luminaire Tested: **8SNX-82SL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568050
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-L830-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

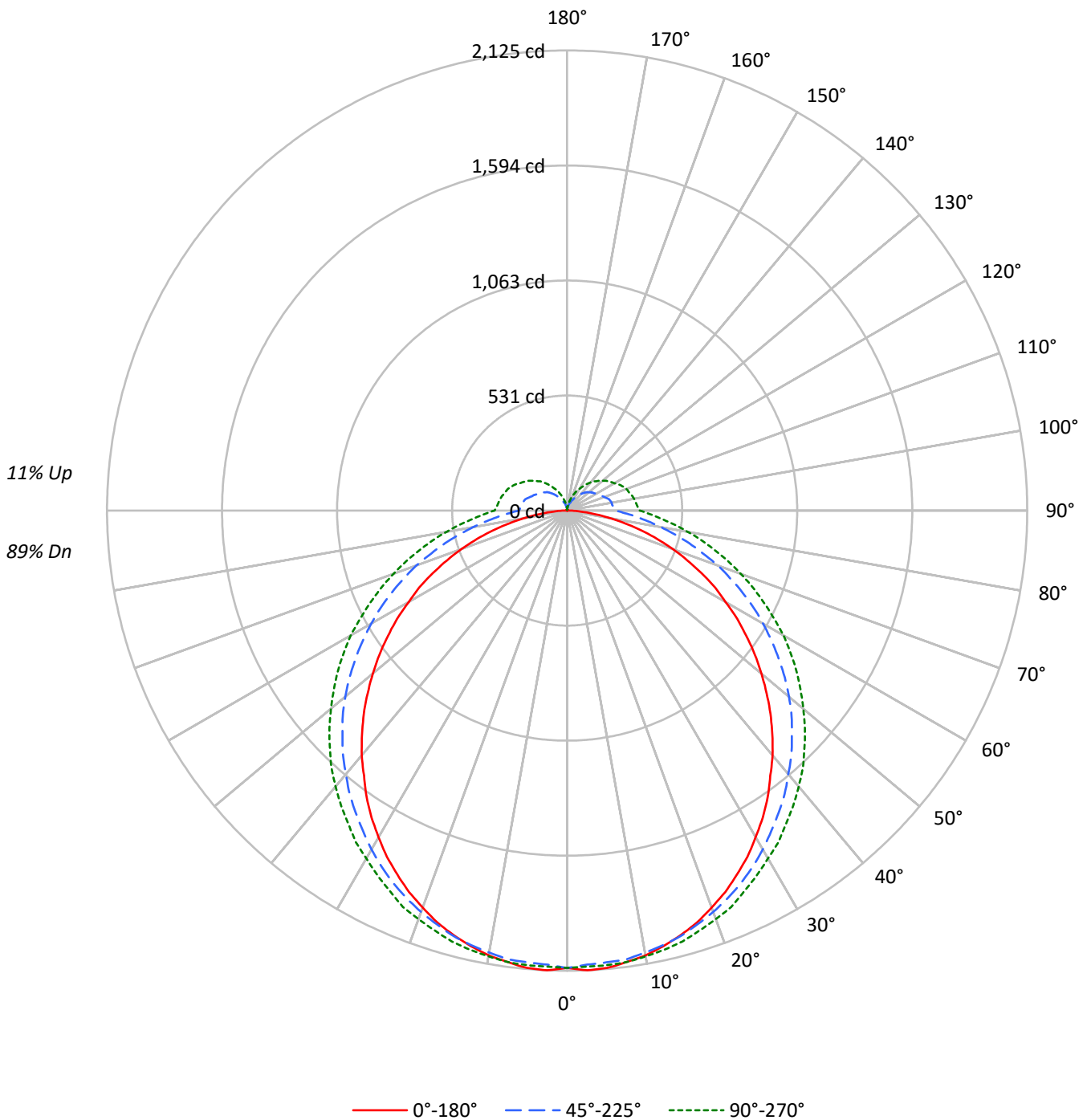
Lumens per Lamp: N/A
Luminaire Lumens: 7518.0 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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°	11366	11366	11366
5°	11446	11080	11064
10°	11378	10863	10791
15°	11274	10640	10538
20°	11130	10382	10257
25°	10962	10130	9964
30°	10759	9853	9673
35°	10537	9564	9401
40°	10281	9281	9140
45°	10005	8992	8857
50°	9687	8687	8542
55°	9340	8319	8231
60°	8932	7925	7886
65°	8516	7482	7450
70°	7928	6995	7023
75°	7149	6374	6551
80°	5863	5744	6086
85°	4328	5211	5607



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.6	2.7
10°-20°	576.5	7.7
20°-30°	876.7	11.7
30°-40°	1064.2	14.2
40°-50°	1124.5	15.0
50°-60°	1052.3	14.0
60°-70°	863.4	11.5
70°-80°	593.9	7.9
80°-90°	325.2	4.3
90°-100°	209.4	2.8
100°-110°	187.9	2.5
110°-120°	155.5	2.1
120°-130°	119.8	1.6
130°-140°	84.2	1.1
140°-150°	50.7	0.7
150°-160°	24.3	0.3
160°-170°	8.0	0.1
170°-180°	1.0	0.0
0°-30°	1653.8	22.0
0°-40°	2718.0	36.2
0°-60°	4894.8	65.1
0°-90°	6677.3	88.8
90°-120°	552.9	7.4
90°-150°	807.5	10.7
90°-180°	841.0	11.2
0°-180°	7518.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2112	2112	2112	2112	2112	
5°	2120	2116	2094	2112	2108	201
15°	2029	2038	2033	2060	2060	572
25°	1855	1877	1898	1938	1938	855
35°	1615	1655	1702	1750	1764	1009
45°	1328	1389	1467	1533	1550	1024
55°	1010	1093	1193	1267	1293	904
65°	684	775	893	975	1002	677
75°	357	453	584	675	705	376
85°	78	187	318	405	435	91
90°	0	104	222	305	335	5
95°	0	100	213	292	322	0
105°	0	83	200	274	300	3
115°	4	74	170	244	274	4
125°	4	61	144	209	235	4
135°	4	48	118	170	192	3
145°	4	35	83	131	144	3
155°	4	22	52	83	96	2
165°	4	13	26	39	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°	2111.8	2111.8	2111.8	2111.8	2111.8
2.5°	2124.9	2120.5	2098.8	2116.2	2107.5
5°	2120.5	2116.2	2094.4	2111.8	2107.5
7.5°	2103.1	2103.1	2090.1	2107.5	2103.1
10°	2085.7	2085.7	2072.6	2094.4	2090.1
12.5°	2059.6	2063.9	2055.2	2081.3	2077.0
15°	2029.1	2037.8	2033.4	2059.6	2059.6
17.5°	1994.3	2003.0	2003.0	2033.4	2033.4
20°	1950.7	1963.8	1972.5	2007.3	2007.3
22.5°	1907.2	1924.6	1937.7	1968.1	1981.2
25°	1854.9	1876.7	1898.5	1937.7	1937.7
27.5°	1802.7	1828.8	1854.9	1894.1	1898.5
30°	1741.7	1772.2	1807.0	1846.2	1854.9
32.5°	1680.8	1719.9	1754.8	1802.7	1815.7
35°	1615.4	1654.6	1702.5	1750.4	1763.5
37.5°	1541.4	1589.3	1650.3	1702.5	1715.6
40°	1476.1	1528.4	1589.3	1650.3	1663.3
42.5°	1402.1	1458.7	1532.7	1589.3	1611.1
45°	1328.1	1389.0	1467.4	1532.7	1550.1
47.5°	1249.7	1319.3	1406.4	1467.4	1489.2
50°	1171.3	1245.3	1336.8	1406.4	1423.8
52.5°	1092.9	1171.3	1267.1	1336.8	1358.5
55°	1010.2	1092.9	1193.1	1267.1	1293.2
57.5°	931.8	1014.5	1119.0	1197.4	1223.6
60°	844.7	940.5	1045.0	1123.4	1153.9
62.5°	770.7	857.8	971.0	1049.4	1075.5
65°	683.6	775.1	892.6	975.4	1001.5
67.5°	600.9	696.7	814.2	901.3	927.5
70°	518.2	614.0	740.2	823.0	853.4
72.5°	435.4	535.6	657.5	748.9	779.4
75°	357.1	452.8	583.5	674.9	705.4
77.5°	274.3	378.8	509.5	600.9	635.7
80°	200.3	309.2	439.8	531.2	566.1
82.5°	135.0	243.8	374.5	465.9	500.7
85°	78.4	187.2	317.9	404.9	435.4
87.5°	39.2	143.7	265.6	352.7	383.2
90°	0.0	104.5	222.1	304.8	335.3
92.5°	0.0	100.1	217.7	296.1	326.6
95°	0.0	100.1	213.4	291.7	322.2
97.5°	0.0	95.8	209.0	291.7	317.9
100°	0.0	91.4	209.0	287.4	313.5
102.5°	0.0	87.1	204.7	283.0	309.2
105°	0.0	82.7	200.3	274.3	300.4
107.5°	4.4	82.7	191.6	270.0	296.1
110°	4.4	78.4	182.9	265.6	291.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.4	74.0	174.2	256.9	283.0
115°	4.4	74.0	169.8	243.8	274.3
117.5°	4.4	69.7	161.1	235.1	265.6
120°	4.4	69.7	156.8	226.4	252.5
122.5°	4.4	65.3	148.0	217.7	243.8
125°	4.4	61.0	143.7	209.0	235.1
127.5°	4.4	56.6	139.3	200.3	226.4
130°	4.4	52.3	130.6	191.6	213.4
132.5°	4.4	52.3	126.3	178.5	204.7
135°	4.4	47.9	117.6	169.8	191.6
137.5°	4.4	43.5	108.9	161.1	182.9
140°	4.4	39.2	100.1	152.4	169.8
142.5°	4.4	39.2	91.4	139.3	156.8
145°	4.4	34.8	82.7	130.6	143.7
147.5°	4.4	30.5	74.0	117.6	130.6
150°	4.4	30.5	65.3	104.5	117.6
152.5°	4.4	26.1	56.6	95.8	108.9
155°	4.4	21.8	52.3	82.7	95.8
157.5°	4.4	21.8	43.5	69.7	82.7
160°	4.4	17.4	39.2	56.6	69.7
162.5°	4.4	17.4	34.8	47.9	61.0
165°	4.4	13.1	26.1	39.2	47.9
167.5°	4.4	13.1	21.8	30.5	39.2
170°	4.4	8.7	17.4	21.8	30.5
172.5°	4.4	8.7	13.1	13.1	13.1
175°	4.4	4.4	8.7	8.7	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)