

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: P568054

Luminaire Tested: **8SNX-82SL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568054
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-L930-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

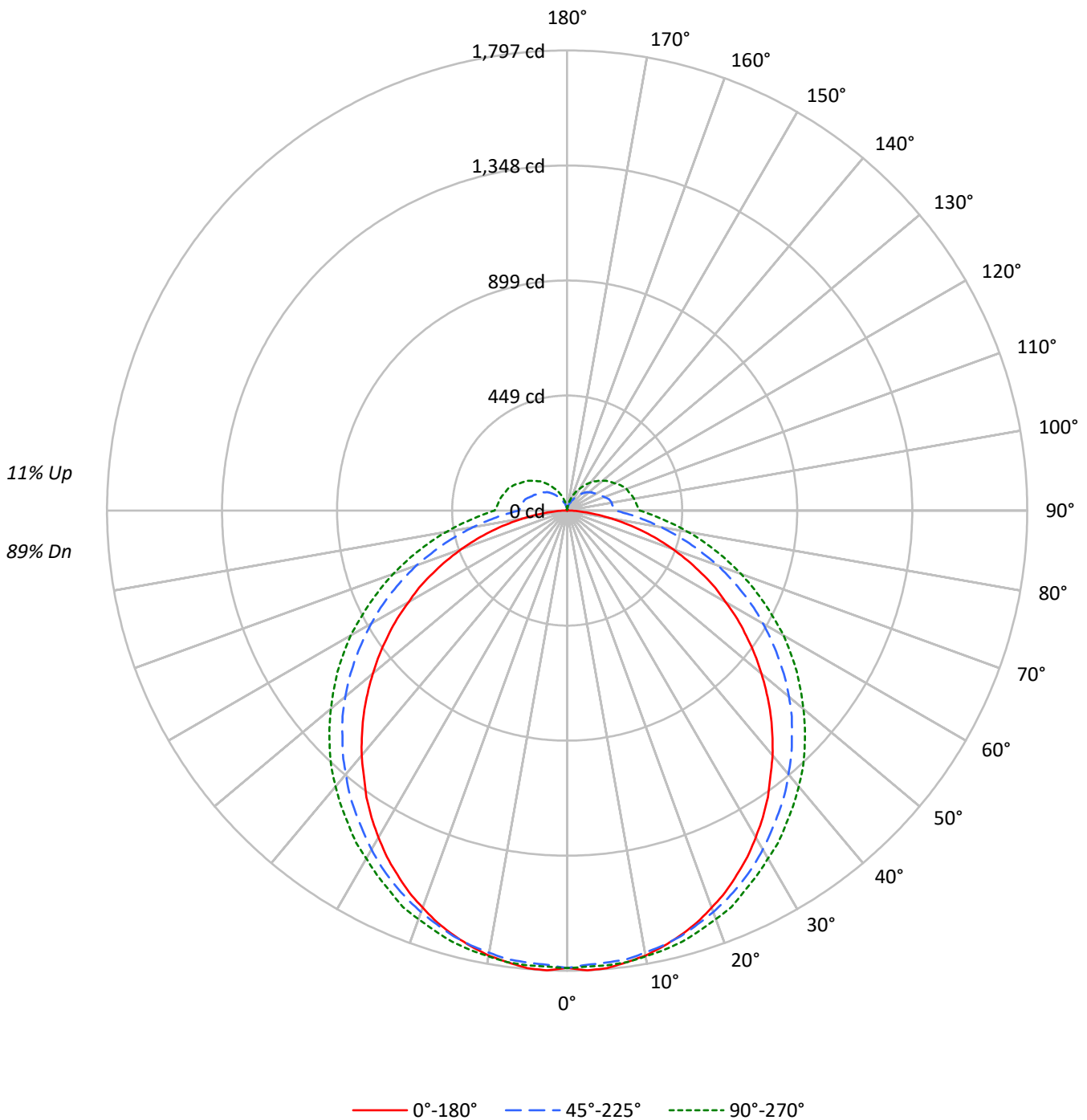
Lumens per Lamp: N/A
Luminaire Lumens: 6359.0 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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	77	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°	9614	9614	9614
5°	9681	9372	9359
10°	9624	9188	9127
15°	9536	9000	8914
20°	9415	8782	8676
25°	9272	8568	8428
30°	9101	8334	8182
35°	8913	8090	7952
40°	8696	7850	7731
45°	8462	7606	7492
50°	8194	7347	7225
55°	7901	7036	6963
60°	7555	6703	6670
65°	7203	6329	6301
70°	6706	5917	5941
75°	6046	5391	5541
80°	4959	4859	5148
85°	3660	4408	4743



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.7	2.7
10°-20°	487.7	7.7
20°-30°	741.5	11.7
30°-40°	900.1	14.2
40°-50°	951.2	15.0
50°-60°	890.1	14.0
60°-70°	730.3	11.5
70°-80°	502.3	7.9
80°-90°	275.1	4.3
90°-100°	177.1	2.8
100°-110°	159.0	2.5
110°-120°	131.6	2.1
120°-130°	101.3	1.6
130°-140°	71.2	1.1
140°-150°	42.9	0.7
150°-160°	20.5	0.3
160°-170°	6.7	0.1
170°-180°	0.8	0.0
0°-30°	1398.8	22.0
0°-40°	2299.0	36.2
0°-60°	4140.2	65.1
0°-90°	5647.9	88.8
90°-120°	467.7	7.4
90°-150°	683.1	10.7
90°-180°	711.0	11.2
0°-180°	6359.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1786	1786	1786	1786	1786	
5°	1794	1790	1772	1786	1783	170
15°	1716	1724	1720	1742	1742	484
25°	1569	1587	1606	1639	1639	723
35°	1366	1400	1440	1481	1492	854
45°	1123	1175	1241	1296	1311	866
55°	854	924	1009	1072	1094	765
65°	578	656	755	825	847	573
75°	302	383	494	571	597	318
85°	66	158	269	342	368	77
90°	0	88	188	258	284	5
95°	0	85	180	247	272	0
105°	0	70	169	232	254	2
115°	4	63	144	206	232	4
125°	4	52	122	177	199	3
135°	4	40	99	144	162	3
145°	4	30	70	110	122	2
155°	4	18	44	70	81	2
165°	4	11	22	33	40	1
175°	4	4	7	7	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1786.3	1786.3	1786.3	1786.3	1786.3
2.5°	1797.3	1793.6	1775.2	1789.9	1782.6
5°	1793.6	1789.9	1771.5	1786.3	1782.6
7.5°	1778.9	1778.9	1767.8	1782.6	1778.9
10°	1764.2	1764.2	1753.1	1771.5	1767.8
12.5°	1742.1	1745.7	1738.4	1760.5	1756.8
15°	1716.3	1723.6	1720.0	1742.1	1742.1
17.5°	1686.8	1694.2	1694.2	1720.0	1720.0
20°	1650.0	1661.0	1668.4	1697.9	1697.9
22.5°	1613.2	1627.9	1638.9	1664.7	1675.8
25°	1569.0	1587.4	1605.8	1638.9	1638.9
27.5°	1524.8	1546.9	1569.0	1602.1	1605.8
30°	1473.2	1499.0	1528.4	1561.6	1569.0
32.5°	1421.6	1454.8	1484.3	1524.8	1535.8
35°	1366.4	1399.5	1440.1	1480.6	1491.6
37.5°	1303.8	1344.3	1395.9	1440.1	1451.1
40°	1248.5	1292.7	1344.3	1395.9	1406.9
42.5°	1185.9	1233.8	1296.4	1344.3	1362.7
45°	1123.3	1174.9	1241.2	1296.4	1311.2
47.5°	1057.0	1116.0	1189.6	1241.2	1259.6
50°	990.7	1053.3	1130.7	1189.6	1204.3
52.5°	924.4	990.7	1071.8	1130.7	1149.1
55°	854.5	924.4	1009.1	1071.8	1093.9
57.5°	788.2	858.1	946.5	1012.8	1034.9
60°	714.5	795.5	883.9	950.2	976.0
62.5°	651.9	725.6	821.3	887.6	909.7
65°	578.2	655.6	755.0	825.0	847.1
67.5°	508.3	589.3	688.7	762.4	784.5
70°	438.3	519.3	626.1	696.1	721.9
72.5°	368.3	453.0	556.1	633.5	659.3
75°	302.0	383.0	493.5	570.9	596.6
77.5°	232.0	320.4	430.9	508.3	537.7
80°	169.4	261.5	372.0	449.3	478.8
82.5°	114.2	206.2	316.7	394.1	423.5
85°	66.3	158.4	268.9	342.5	368.3
87.5°	33.1	121.5	224.7	298.3	324.1
90°	0.0	88.4	187.8	257.8	283.6
92.5°	0.0	84.7	184.2	250.4	276.2
95°	0.0	84.7	180.5	246.8	272.5
97.5°	0.0	81.0	176.8	246.8	268.9
100°	0.0	77.3	176.8	243.1	265.2
102.5°	0.0	73.7	173.1	239.4	261.5
105°	0.0	70.0	169.4	232.0	254.1
107.5°	3.7	70.0	162.1	228.3	250.4
110°	3.7	66.3	154.7	224.7	246.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.7	62.6	147.3	217.3	239.4
115°	3.7	62.6	143.6	206.2	232.0
117.5°	3.7	58.9	136.3	198.9	224.7
120°	3.7	58.9	132.6	191.5	213.6
122.5°	3.7	55.2	125.2	184.2	206.2
125°	3.7	51.6	121.5	176.8	198.9
127.5°	3.7	47.9	117.9	169.4	191.5
130°	3.7	44.2	110.5	162.1	180.5
132.5°	3.7	44.2	106.8	151.0	173.1
135°	3.7	40.5	99.4	143.6	162.1
137.5°	3.7	36.8	92.1	136.3	154.7
140°	3.7	33.1	84.7	128.9	143.6
142.5°	3.7	33.1	77.3	117.9	132.6
145°	3.7	29.5	70.0	110.5	121.5
147.5°	3.7	25.8	62.6	99.4	110.5
150°	3.7	25.8	55.2	88.4	99.4
152.5°	3.7	22.1	47.9	81.0	92.1
155°	3.7	18.4	44.2	70.0	81.0
157.5°	3.7	18.4	36.8	58.9	70.0
160°	3.7	14.7	33.1	47.9	58.9
162.5°	3.7	14.7	29.5	40.5	51.6
165°	3.7	11.0	22.1	33.1	40.5
167.5°	3.7	11.0	18.4	25.8	33.1
170°	3.7	7.4	14.7	18.4	25.8
172.5°	3.7	7.4	11.0	11.0	11.0
175°	3.7	3.7	7.4	7.4	3.7
177.5°	3.7	3.7	3.7	3.7	3.7
180°	3.7	3.7	3.7	3.7	3.7

(END OF REPORT)