

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: P568057

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568057
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-L950-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

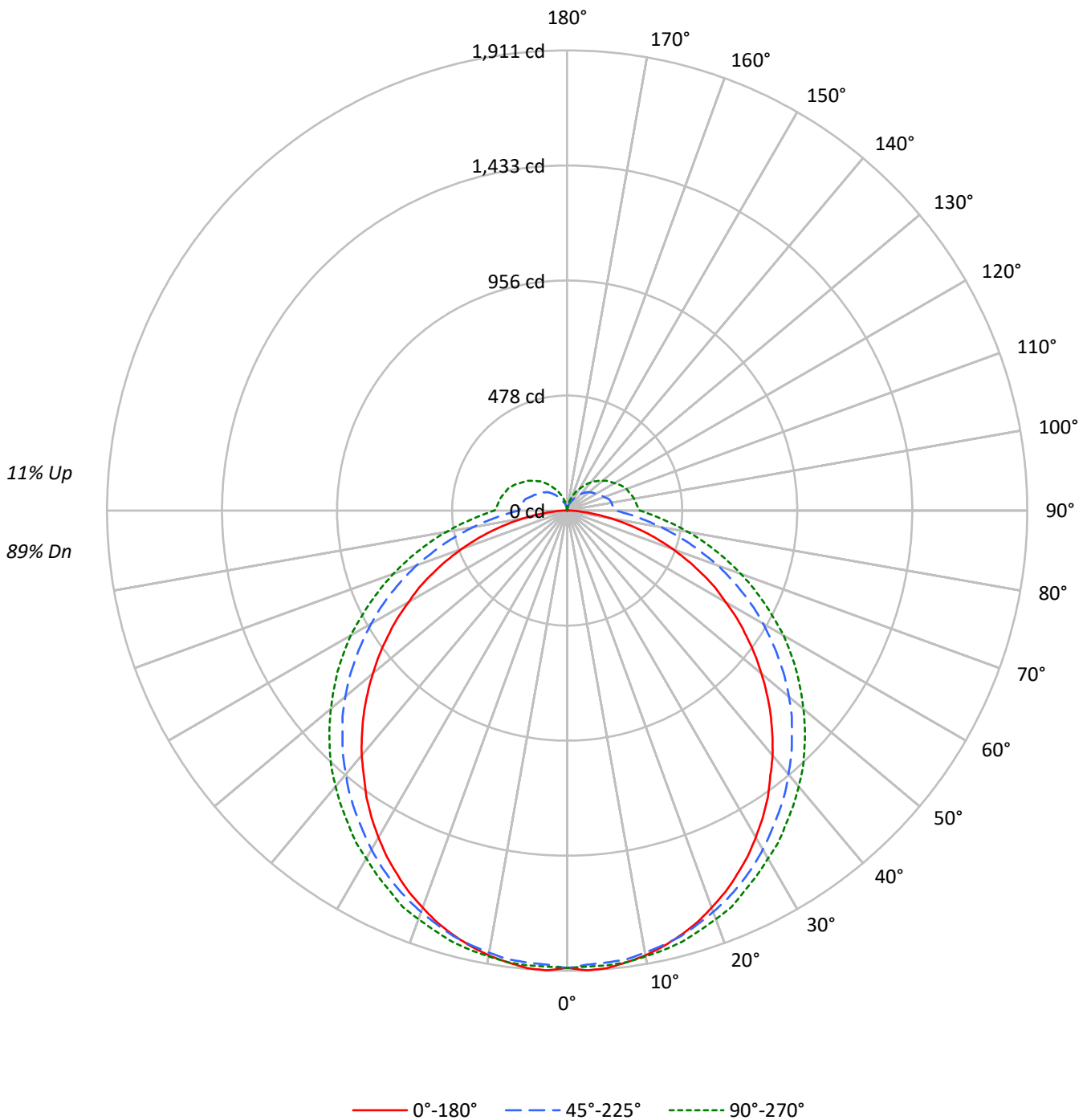
Lumens per Lamp: N/A
Luminaire Lumens: 6762.0 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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°	10223	10223	10223
5°	10295	9966	9951
10°	10234	9771	9705
15°	10140	9570	9479
20°	10011	9338	9226
25°	9860	9112	8962
30°	9678	8862	8701
35°	9478	8603	8455
40°	9247	8347	8221
45°	8998	8087	7967
50°	8713	7813	7683
55°	8401	7482	7404
60°	8034	7128	7093
65°	7660	6730	6701
70°	7131	6292	6317
75°	6428	5733	5893
80°	5275	5167	5473
85°	3892	4686	5043



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.4	2.7
10°-20°	518.6	7.7
20°-30°	788.5	11.7
30°-40°	957.2	14.2
40°-50°	1011.4	15.0
50°-60°	946.5	14.0
60°-70°	776.6	11.5
70°-80°	534.1	7.9
80°-90°	292.5	4.3
90°-100°	188.4	2.8
100°-110°	169.0	2.5
110°-120°	139.9	2.1
120°-130°	107.7	1.6
130°-140°	75.7	1.1
140°-150°	45.6	0.7
150°-160°	21.8	0.3
160°-170°	7.2	0.1
170°-180°	0.9	0.0
0°-30°	1487.5	22.0
0°-40°	2444.7	36.2
0°-60°	4402.6	65.1
0°-90°	6005.8	88.8
90°-120°	497.3	7.4
90°-150°	726.3	10.7
90°-180°	756.0	11.2
0°-180°	6762.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1900	1900	1900	1900	1900	
5°	1907	1903	1884	1900	1896	181
15°	1825	1833	1829	1852	1852	515
25°	1668	1688	1708	1743	1743	769
35°	1453	1488	1531	1574	1586	908
45°	1194	1249	1320	1379	1394	921
55°	909	983	1073	1140	1163	813
65°	615	697	803	877	901	609
75°	321	407	525	607	634	338
85°	70	168	286	364	392	81
90°	0	94	200	274	302	5
95°	0	90	192	262	290	0
105°	0	74	180	247	270	3
115°	4	67	153	219	247	4
125°	4	55	129	188	212	3
135°	4	43	106	153	172	3
145°	4	31	74	118	129	2
155°	4	20	47	74	86	2
165°	4	12	24	35	43	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°	1899.5	1899.5	1899.5	1899.5	1899.5
2.5°	1911.2	1907.3	1887.7	1903.4	1895.5
5°	1907.3	1903.4	1883.8	1899.5	1895.5
7.5°	1891.6	1891.6	1879.9	1895.5	1891.6
10°	1876.0	1876.0	1864.2	1883.8	1879.9
12.5°	1852.5	1856.4	1848.5	1872.0	1868.1
15°	1825.0	1832.9	1829.0	1852.5	1852.5
17.5°	1793.7	1801.6	1801.6	1829.0	1829.0
20°	1754.6	1766.3	1774.1	1805.5	1805.5
22.5°	1715.4	1731.1	1742.8	1770.2	1782.0
25°	1668.4	1688.0	1707.6	1742.8	1742.8
27.5°	1621.4	1644.9	1668.4	1703.6	1707.6
30°	1566.6	1594.0	1625.3	1660.6	1668.4
32.5°	1511.7	1547.0	1578.3	1621.4	1633.1
35°	1453.0	1488.2	1531.3	1574.4	1586.1
37.5°	1386.4	1429.5	1484.3	1531.3	1543.1
40°	1327.7	1374.7	1429.5	1484.3	1496.1
42.5°	1261.1	1312.0	1378.6	1429.5	1449.1
45°	1194.5	1249.3	1319.8	1378.6	1394.2
47.5°	1124.0	1186.7	1265.0	1319.8	1339.4
50°	1053.5	1120.1	1202.3	1265.0	1280.7
52.5°	983.0	1053.5	1139.7	1202.3	1221.9
55°	908.6	983.0	1073.1	1139.7	1163.2
57.5°	838.1	912.5	1006.5	1077.0	1100.5
60°	759.8	845.9	939.9	1010.4	1037.9
62.5°	693.2	771.5	873.4	943.9	967.4
65°	614.9	697.1	802.9	877.3	900.8
67.5°	540.5	626.6	732.4	810.7	834.2
70°	466.1	552.2	665.8	740.2	767.6
72.5°	391.6	481.7	591.4	673.6	701.0
75°	321.1	407.3	524.8	607.0	634.5
77.5°	246.7	340.7	458.2	540.5	571.8
80°	180.2	278.1	395.6	477.8	509.1
82.5°	121.4	219.3	336.8	419.1	450.4
85°	70.5	168.4	285.9	364.2	391.6
87.5°	35.2	129.2	238.9	317.2	344.6
90°	0.0	94.0	199.7	274.1	301.6
92.5°	0.0	90.1	195.8	266.3	293.7
95°	0.0	90.1	191.9	262.4	289.8
97.5°	0.0	86.2	188.0	262.4	285.9
100°	0.0	82.2	188.0	258.5	282.0
102.5°	0.0	78.3	184.1	254.6	278.1
105°	0.0	74.4	180.2	246.7	270.2
107.5°	3.9	74.4	172.3	242.8	266.3
110°	3.9	70.5	164.5	238.9	262.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.9	66.6	156.7	231.1	254.6
115°	3.9	66.6	152.7	219.3	246.7
117.5°	3.9	62.7	144.9	211.5	238.9
120°	3.9	62.7	141.0	203.7	227.2
122.5°	3.9	58.7	133.2	195.8	219.3
125°	3.9	54.8	129.2	188.0	211.5
127.5°	3.9	50.9	125.3	180.2	203.7
130°	3.9	47.0	117.5	172.3	191.9
132.5°	3.9	47.0	113.6	160.6	184.1
135°	3.9	43.1	105.7	152.7	172.3
137.5°	3.9	39.2	97.9	144.9	164.5
140°	3.9	35.2	90.1	137.1	152.7
142.5°	3.9	35.2	82.2	125.3	141.0
145°	3.9	31.3	74.4	117.5	129.2
147.5°	3.9	27.4	66.6	105.7	117.5
150°	3.9	27.4	58.7	94.0	105.7
152.5°	3.9	23.5	50.9	86.2	97.9
155°	3.9	19.6	47.0	74.4	86.2
157.5°	3.9	19.6	39.2	62.7	74.4
160°	3.9	15.7	35.2	50.9	62.7
162.5°	3.9	15.7	31.3	43.1	54.8
165°	3.9	11.7	23.5	35.2	43.1
167.5°	3.9	11.7	19.6	27.4	35.2
170°	3.9	7.8	15.7	19.6	27.4
172.5°	3.9	7.8	11.7	11.7	11.7
175°	3.9	3.9	7.8	7.8	3.9
177.5°	3.9	3.9	3.9	3.9	3.9
180°	3.9	3.9	3.9	3.9	3.9

(END OF REPORT)