

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: P568056

Luminaire Tested: **8SNX-82SL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568056
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-L940-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

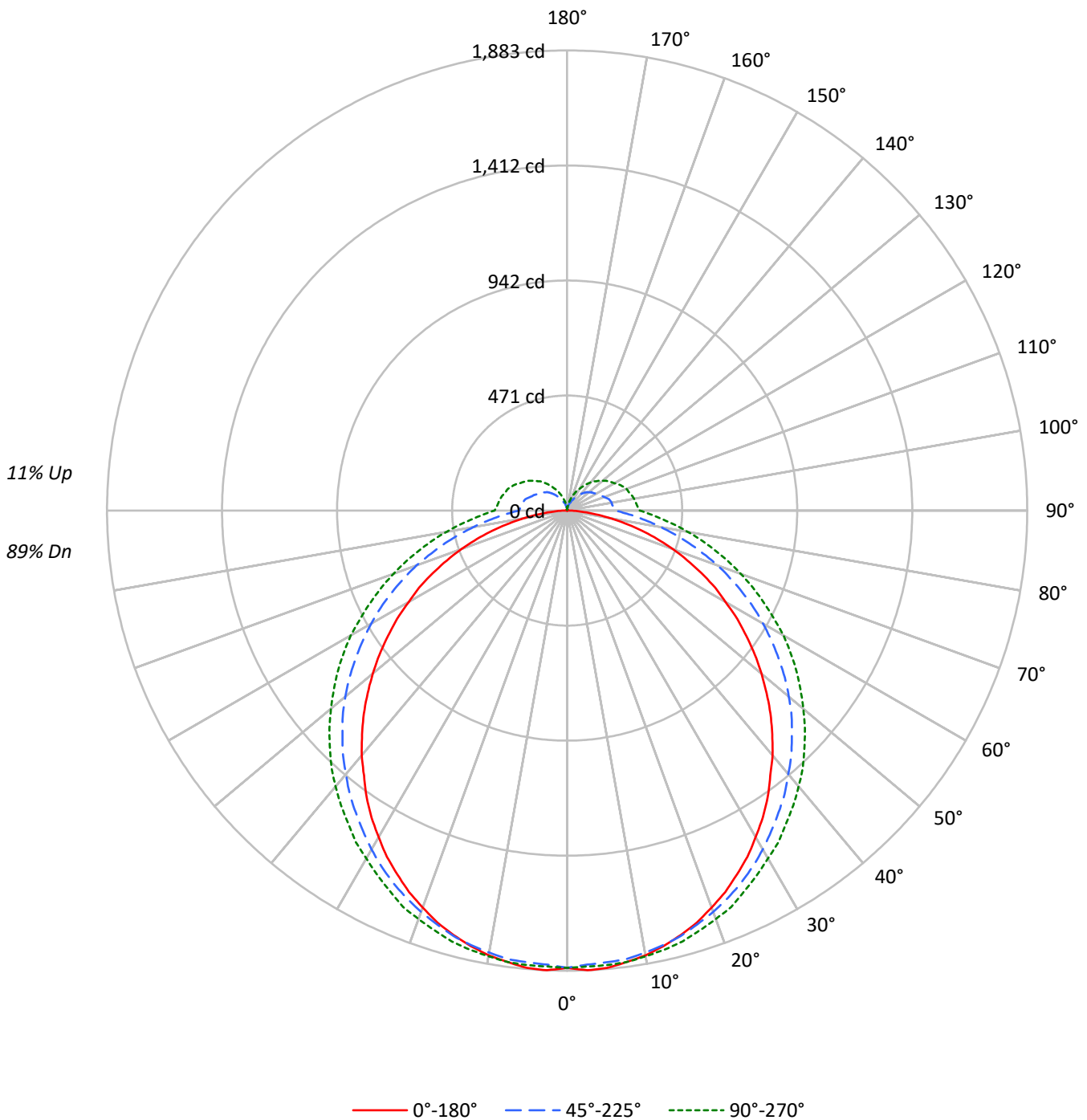
Lumens per Lamp: N/A
Luminaire Lumens: 6661.0 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 52.6
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P568056

CATALOG NUMBER: 8SNX-82SL-SLW-UNV-L940-CD

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°	10070	10070	10070
5°	10141	9818	9803
10°	10080	9625	9560
15°	9989	9427	9337
20°	9861	9199	9088
25°	9713	8976	8828
30°	9533	8729	8571
35°	9336	8474	8330
40°	9109	8222	8098
45°	8864	7967	7848
50°	8583	7696	7568
55°	8275	7371	7293
60°	7914	7022	6986
65°	7546	6630	6600
70°	7024	6197	6223
75°	6332	5648	5804
80°	5196	5089	5392
85°	3831	4616	4969



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.7	2.7
10°-20°	510.8	7.7
20°-30°	776.7	11.7
30°-40°	942.9	14.2
40°-50°	996.3	15.0
50°-60°	932.3	14.0
60°-70°	765.0	11.5
70°-80°	526.2	7.9
80°-90°	288.1	4.3
90°-100°	185.5	2.8
100°-110°	166.5	2.5
110°-120°	137.8	2.1
120°-130°	106.1	1.6
130°-140°	74.6	1.1
140°-150°	44.9	0.7
150°-160°	21.5	0.3
160°-170°	7.1	0.1
170°-180°	0.8	0.0
0°-30°	1465.3	22.0
0°-40°	2408.1	36.2
0°-60°	4336.8	65.1
0°-90°	5916.1	88.8
90°-120°	489.9	7.4
90°-150°	715.5	10.7
90°-180°	745.0	11.2
0°-180°	6661.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1871	1871	1871	1871	1871	
5°	1879	1875	1856	1871	1867	178
15°	1798	1806	1802	1825	1825	507
25°	1644	1663	1682	1717	1717	757
35°	1431	1466	1508	1551	1562	894
45°	1177	1231	1300	1358	1373	907
55°	895	968	1057	1123	1146	801
65°	606	687	791	864	887	600
75°	316	401	517	598	625	333
85°	69	166	282	359	386	80
90°	0	93	197	270	297	5
95°	0	89	189	258	286	0
105°	0	73	178	243	266	3
115°	4	66	150	216	243	4
125°	4	54	127	185	208	3
135°	4	42	104	150	170	3
145°	4	31	73	116	127	2
155°	4	19	46	73	85	2
165°	4	12	23	35	42	1
175°	4	4	8	8	4	0
180°	4	4	4	4	4	



TEST NUMBER: P568056

CATALOG NUMBER: 8SNX-82SL-SLW-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1871.1	1871.1	1871.1	1871.1	1871.1
2.5°	1882.7	1878.8	1859.5	1874.9	1867.2
5°	1878.8	1874.9	1855.7	1871.1	1867.2
7.5°	1863.4	1863.4	1851.8	1867.2	1863.4
10°	1847.9	1847.9	1836.4	1855.7	1851.8
12.5°	1824.8	1828.7	1820.9	1844.1	1840.2
15°	1797.8	1805.5	1801.6	1824.8	1824.8
17.5°	1766.9	1774.6	1774.6	1801.6	1801.6
20°	1728.3	1739.9	1747.6	1778.5	1778.5
22.5°	1689.8	1705.2	1716.8	1743.8	1755.4
25°	1643.5	1662.8	1682.1	1716.8	1716.8
27.5°	1597.2	1620.3	1643.5	1678.2	1682.1
30°	1543.2	1570.2	1601.0	1635.8	1643.5
32.5°	1489.2	1523.9	1554.7	1597.2	1608.8
35°	1431.3	1466.0	1508.4	1550.9	1562.5
37.5°	1365.7	1408.1	1462.2	1508.4	1520.0
40°	1307.8	1354.1	1408.1	1462.2	1473.7
42.5°	1242.2	1292.4	1358.0	1408.1	1427.4
45°	1176.7	1230.7	1300.1	1358.0	1373.4
47.5°	1107.2	1168.9	1246.1	1300.1	1319.4
50°	1037.8	1103.4	1184.4	1246.1	1261.5
52.5°	968.3	1037.8	1122.7	1184.4	1203.7
55°	895.0	968.3	1057.1	1122.7	1145.8
57.5°	825.6	898.9	991.5	1060.9	1084.1
60°	748.4	833.3	925.9	995.3	1022.3
62.5°	682.9	760.0	860.3	929.8	952.9
65°	605.7	686.7	790.9	864.2	887.3
67.5°	532.4	617.3	721.4	798.6	821.7
70°	459.1	544.0	655.8	729.1	756.2
72.5°	385.8	474.5	582.5	663.6	690.6
75°	316.3	401.2	517.0	598.0	625.0
77.5°	243.0	335.6	451.4	532.4	563.3
80°	177.5	273.9	389.6	470.7	501.5
82.5°	119.6	216.0	331.8	412.8	443.7
85°	69.4	165.9	281.6	358.8	385.8
87.5°	34.7	127.3	235.3	312.5	339.5
90°	0.0	92.6	196.8	270.1	297.1
92.5°	0.0	88.7	192.9	262.3	289.3
95°	0.0	88.7	189.0	258.5	285.5
97.5°	0.0	84.9	185.2	258.5	281.6
100°	0.0	81.0	185.2	254.6	277.8
102.5°	0.0	77.2	181.3	250.8	273.9
105°	0.0	73.3	177.5	243.0	266.2
107.5°	3.9	73.3	169.7	239.2	262.3
110°	3.9	69.4	162.0	235.3	258.5



TEST NUMBER: P568056

CATALOG NUMBER: 8SNX-82SL-SLW-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.9	65.6	154.3	227.6	250.8
115°	3.9	65.6	150.5	216.0	243.0
117.5°	3.9	61.7	142.7	208.3	235.3
120°	3.9	61.7	138.9	200.6	223.8
122.5°	3.9	57.9	131.2	192.9	216.0
125°	3.9	54.0	127.3	185.2	208.3
127.5°	3.9	50.2	123.5	177.5	200.6
130°	3.9	46.3	115.7	169.7	189.0
132.5°	3.9	46.3	111.9	158.2	181.3
135°	3.9	42.4	104.2	150.5	169.7
137.5°	3.9	38.6	96.4	142.7	162.0
140°	3.9	34.7	88.7	135.0	150.5
142.5°	3.9	34.7	81.0	123.5	138.9
145°	3.9	30.9	73.3	115.7	127.3
147.5°	3.9	27.0	65.6	104.2	115.7
150°	3.9	27.0	57.9	92.6	104.2
152.5°	3.9	23.1	50.2	84.9	96.4
155°	3.9	19.3	46.3	73.3	84.9
157.5°	3.9	19.3	38.6	61.7	73.3
160°	3.9	15.4	34.7	50.2	61.7
162.5°	3.9	15.4	30.9	42.4	54.0
165°	3.9	11.6	23.1	34.7	42.4
167.5°	3.9	11.6	19.3	27.0	34.7
170°	3.9	7.7	15.4	19.3	27.0
172.5°	3.9	7.7	11.6	11.6	11.6
175°	3.9	3.9	7.7	7.7	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)