

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: P567956

Luminaire Tested: **8SNX-66SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567956
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-66SL-SLW-UNV-L840-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

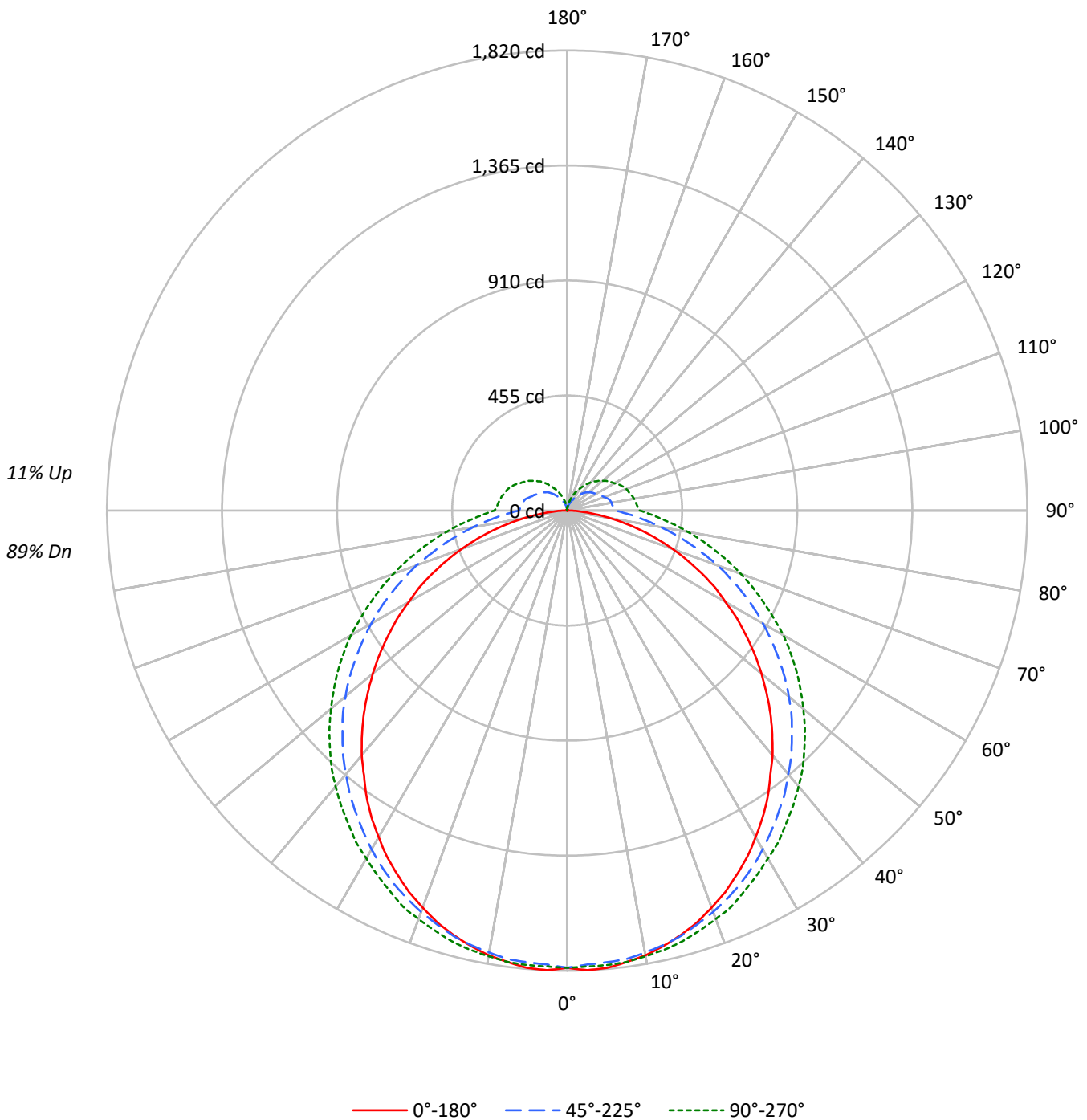
Lumens per Lamp: N/A
Luminaire Lumens: 6438.0 lumens
Efficiency: N/A
Efficacy: 152.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 42.2
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°	9733	9733	9733
5°	9802	9488	9475
10°	9743	9303	9240
15°	9655	9111	9024
20°	9532	8891	8784
25°	9388	8675	8533
30°	9214	8437	8284
35°	9024	8190	8050
40°	8804	7947	7827
45°	8567	7700	7585
50°	8295	7438	7315
55°	7999	7124	7049
60°	7649	6787	6753
65°	7293	6408	6379
70°	6788	5990	6014
75°	6122	5459	5610
80°	5020	4919	5211
85°	3704	4462	4803



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.8	2.7
10°-20°	493.7	7.7
20°-30°	750.7	11.7
30°-40°	911.3	14.2
40°-50°	963.0	15.0
50°-60°	901.1	14.0
60°-70°	739.4	11.5
70°-80°	508.5	7.9
80°-90°	278.5	4.3
90°-100°	179.3	2.8
100°-110°	160.9	2.5
110°-120°	133.2	2.1
120°-130°	102.6	1.6
130°-140°	72.1	1.1
140°-150°	43.4	0.7
150°-160°	20.8	0.3
160°-170°	6.8	0.1
170°-180°	0.8	0.0
0°-30°	1416.2	22.0
0°-40°	2327.5	36.2
0°-60°	4191.6	65.1
0°-90°	5718.0	88.8
90°-120°	473.5	7.4
90°-150°	691.5	10.7
90°-180°	720.0	11.2
0°-180°	6438.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1808	1808	1808	1808	1808	
5°	1816	1812	1794	1808	1805	172
15°	1738	1745	1741	1764	1764	490
25°	1588	1607	1626	1659	1659	732
35°	1383	1417	1458	1499	1510	864
45°	1137	1190	1257	1312	1327	877
55°	865	936	1022	1085	1107	774
65°	585	664	764	835	858	580
75°	306	388	500	578	604	322
85°	67	160	272	347	373	78
90°	0	90	190	261	287	5
95°	0	86	183	250	276	0
105°	0	71	172	235	257	2
115°	4	63	145	209	235	4
125°	4	52	123	179	201	3
135°	4	41	101	145	164	3
145°	4	30	71	112	123	2
155°	4	19	45	71	82	2
165°	4	11	22	34	41	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°	1808.4	1808.4	1808.4	1808.4	1808.4
2.5°	1819.6	1815.9	1797.3	1812.2	1804.7
5°	1815.9	1812.2	1793.5	1808.4	1804.7
7.5°	1801.0	1801.0	1789.8	1804.7	1801.0
10°	1786.1	1786.1	1774.9	1793.5	1789.8
12.5°	1763.7	1767.4	1760.0	1782.3	1778.6
15°	1737.6	1745.1	1741.3	1763.7	1763.7
17.5°	1707.8	1715.2	1715.2	1741.3	1741.3
20°	1670.5	1681.7	1689.1	1719.0	1719.0
22.5°	1633.2	1648.1	1659.3	1685.4	1696.6
25°	1588.5	1607.1	1625.7	1659.3	1659.3
27.5°	1543.7	1566.1	1588.5	1622.0	1625.7
30°	1491.5	1517.6	1547.4	1581.0	1588.5
32.5°	1439.3	1472.9	1502.7	1543.7	1554.9
35°	1383.4	1416.9	1457.9	1499.0	1510.1
37.5°	1320.0	1361.0	1413.2	1457.9	1469.1
40°	1264.1	1308.8	1361.0	1413.2	1424.4
42.5°	1200.7	1249.1	1312.5	1361.0	1379.6
45°	1137.3	1189.5	1256.6	1312.5	1327.4
47.5°	1070.2	1129.8	1204.4	1256.6	1275.2
50°	1003.0	1066.4	1144.7	1204.4	1219.3
52.5°	935.9	1003.0	1085.1	1144.7	1163.4
55°	865.1	935.9	1021.7	1085.1	1107.4
57.5°	798.0	868.8	958.3	1025.4	1047.8
60°	723.4	805.4	894.9	962.0	988.1
62.5°	660.0	734.6	831.5	898.6	921.0
65°	585.4	663.7	764.4	835.2	857.6
67.5°	514.6	596.6	697.3	771.9	794.2
70°	443.7	525.8	633.9	704.7	730.8
72.5°	372.9	458.6	563.0	641.3	667.4
75°	305.8	387.8	499.7	578.0	604.1
77.5°	234.9	324.4	436.3	514.6	544.4
80°	171.5	264.7	376.6	454.9	484.7
82.5°	115.6	208.8	320.7	399.0	428.8
85°	67.1	160.3	272.2	346.8	372.9
87.5°	33.6	123.0	227.5	302.0	328.1
90°	0.0	89.5	190.2	261.0	287.1
92.5°	0.0	85.8	186.4	253.6	279.7
95°	0.0	85.8	182.7	249.8	275.9
97.5°	0.0	82.0	179.0	249.8	272.2
100°	0.0	78.3	179.0	246.1	268.5
102.5°	0.0	74.6	175.3	242.4	264.7
105°	0.0	70.8	171.5	234.9	257.3
107.5°	3.7	70.8	164.1	231.2	253.6
110°	3.7	67.1	156.6	227.5	249.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.7	63.4	149.2	220.0	242.4
115°	3.7	63.4	145.4	208.8	234.9
117.5°	3.7	59.7	138.0	201.4	227.5
120°	3.7	59.7	134.2	193.9	216.3
122.5°	3.7	55.9	126.8	186.4	208.8
125°	3.7	52.2	123.0	179.0	201.4
127.5°	3.7	48.5	119.3	171.5	193.9
130°	3.7	44.7	111.9	164.1	182.7
132.5°	3.7	44.7	108.1	152.9	175.3
135°	3.7	41.0	100.7	145.4	164.1
137.5°	3.7	37.3	93.2	138.0	156.6
140°	3.7	33.6	85.8	130.5	145.4
142.5°	3.7	33.6	78.3	119.3	134.2
145°	3.7	29.8	70.8	111.9	123.0
147.5°	3.7	26.1	63.4	100.7	111.9
150°	3.7	26.1	55.9	89.5	100.7
152.5°	3.7	22.4	48.5	82.0	93.2
155°	3.7	18.6	44.7	70.8	82.0
157.5°	3.7	18.6	37.3	59.7	70.8
160°	3.7	14.9	33.6	48.5	59.7
162.5°	3.7	14.9	29.8	41.0	52.2
165°	3.7	11.2	22.4	33.6	41.0
167.5°	3.7	11.2	18.6	26.1	33.6
170°	3.7	7.5	14.9	18.6	26.1
172.5°	3.7	7.5	11.2	11.2	11.2
175°	3.7	3.7	7.5	7.5	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)