

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: P567948

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567948
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-LW-UNV-L840-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

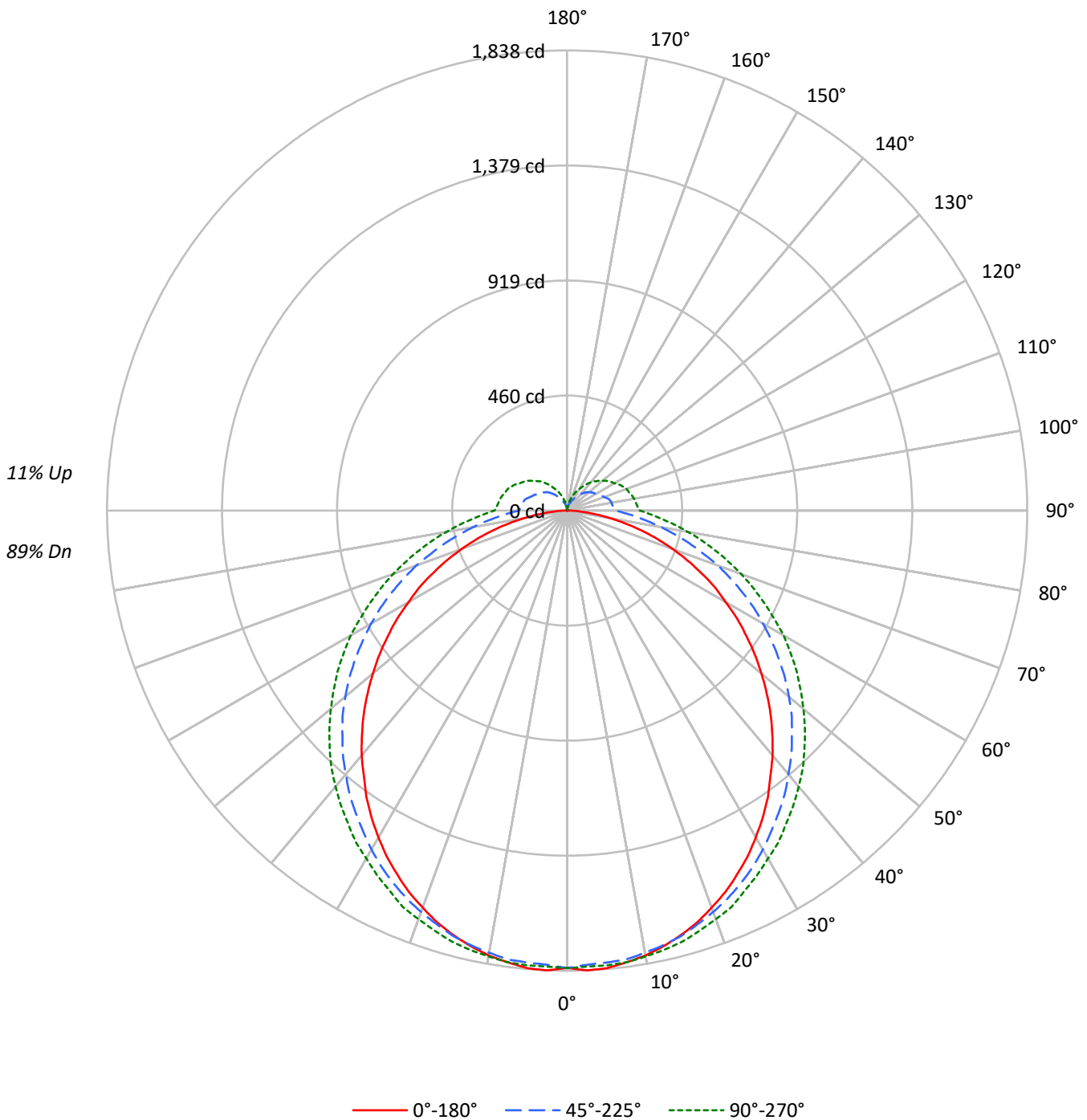
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6504.0 lumens
Efficiency: N/A
Efficacy: 154.1 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: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 42.2
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

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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°	9833	9833	9833
5°	9893	9389	9307
10°	9825	9026	8842
15°	9726	8672	8423
20°	9593	8304	8004
25°	9438	7951	7594
30°	9253	7586	7201
35°	9050	7220	6833
40°	8818	6861	6483
45°	8566	6502	6124
50°	8279	6131	5747
55°	7963	5716	5378
60°	7592	5283	4987
65°	7209	4814	4541
70°	6672	4314	4103
75°	5960	3730	3638
80°	4804	3139	3175
85°	3381	2590	2699



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.5	2.7
10°-20°	498.8	7.7
20°-30°	758.4	11.7
30°-40°	920.6	14.2
40°-50°	972.9	15.0
50°-60°	910.4	14.0
60°-70°	746.9	11.5
70°-80°	513.8	7.9
80°-90°	281.4	4.3
90°-100°	181.2	2.8
100°-110°	162.6	2.5
110°-120°	134.6	2.1
120°-130°	103.6	1.6
130°-140°	72.8	1.1
140°-150°	43.9	0.7
150°-160°	21.0	0.3
160°-170°	6.9	0.1
170°-180°	0.8	0.0
0°-30°	1430.7	22.0
0°-40°	2351.4	36.2
0°-60°	4234.6	65.1
0°-90°	5776.7	88.8
90°-120°	478.3	7.4
90°-150°	698.6	10.7
90°-180°	727.0	11.2
0°-180°	6504.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1827	1827	1827	1827	1827	
5°	1834	1831	1812	1827	1823	174
15°	1755	1763	1759	1782	1782	495
25°	1605	1624	1642	1676	1676	739
35°	1398	1432	1473	1514	1526	873
45°	1149	1202	1270	1326	1341	886
55°	874	946	1032	1096	1119	782
65°	591	670	772	844	866	586
75°	309	392	505	584	610	325
85°	68	162	275	350	377	78
90°	0	90	192	264	290	5
95°	0	87	185	252	279	0
105°	0	72	173	237	260	3
115°	4	64	147	211	237	4
125°	4	53	124	181	203	3
135°	4	41	102	147	166	3
145°	4	30	72	113	124	2
155°	4	19	45	72	83	2
165°	4	11	23	34	41	1
175°	4	4	8	8	4	0
180°	4	4	4	4	4	



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CATALOG NUMBER: 8SNX-66SL-LW-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1827.0	1827.0	1827.0	1827.0	1827.0
2.5°	1838.3	1834.5	1815.7	1830.8	1823.2
5°	1834.5	1830.8	1811.9	1827.0	1823.2
7.5°	1819.5	1819.5	1808.2	1823.2	1819.5
10°	1804.4	1804.4	1793.1	1811.9	1808.2
12.5°	1781.8	1785.6	1778.0	1800.6	1796.9
15°	1755.4	1763.0	1759.2	1781.8	1781.8
17.5°	1725.3	1732.8	1732.8	1759.2	1759.2
20°	1687.6	1698.9	1706.4	1736.6	1736.6
22.5°	1649.9	1665.0	1676.3	1702.7	1714.0
25°	1604.7	1623.6	1642.4	1676.3	1676.3
27.5°	1559.5	1582.1	1604.7	1638.6	1642.4
30°	1506.8	1533.2	1563.3	1597.2	1604.7
32.5°	1454.1	1488.0	1518.1	1559.5	1570.8
35°	1397.6	1431.5	1472.9	1514.3	1525.6
37.5°	1333.5	1375.0	1427.7	1472.9	1484.2
40°	1277.0	1322.2	1375.0	1427.7	1439.0
42.5°	1213.0	1261.9	1326.0	1375.0	1393.8
45°	1148.9	1201.7	1269.5	1326.0	1341.0
47.5°	1081.1	1141.4	1216.7	1269.5	1288.3
50°	1013.3	1077.4	1156.5	1216.7	1231.8
52.5°	945.5	1013.3	1096.2	1156.5	1175.3
55°	873.9	945.5	1032.2	1096.2	1118.8
57.5°	806.1	877.7	968.1	1035.9	1058.5
60°	730.8	813.7	904.1	971.9	998.3
62.5°	666.8	742.1	840.0	907.8	930.4
65°	591.4	670.5	772.2	843.8	866.4
67.5°	519.8	602.7	704.4	779.8	802.4
70°	448.3	531.1	640.4	712.0	738.3
72.5°	376.7	463.3	568.8	647.9	674.3
75°	308.9	391.8	504.8	583.9	610.3
77.5°	237.3	327.7	440.7	519.8	550.0
80°	173.3	267.5	380.5	459.6	489.7
82.5°	116.8	211.0	324.0	403.1	433.2
85°	67.8	162.0	275.0	350.3	376.7
87.5°	33.9	124.3	229.8	305.1	331.5
90°	0.0	90.4	192.1	263.7	290.1
92.5°	0.0	86.6	188.3	256.2	282.5
95°	0.0	86.6	184.6	252.4	278.8
97.5°	0.0	82.9	180.8	252.4	275.0
100°	0.0	79.1	180.8	248.6	271.2
102.5°	0.0	75.3	177.0	244.9	267.5
105°	0.0	71.6	173.3	237.3	259.9
107.5°	3.8	71.6	165.7	233.6	256.2
110°	3.8	67.8	158.2	229.8	252.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.8	64.0	150.7	222.3	244.9
115°	3.8	64.0	146.9	211.0	237.3
117.5°	3.8	60.3	139.4	203.4	229.8
120°	3.8	60.3	135.6	195.9	218.5
122.5°	3.8	56.5	128.1	188.3	211.0
125°	3.8	52.7	124.3	180.8	203.4
127.5°	3.8	49.0	120.5	173.3	195.9
130°	3.8	45.2	113.0	165.7	184.6
132.5°	3.8	45.2	109.2	154.4	177.0
135°	3.8	41.4	101.7	146.9	165.7
137.5°	3.8	37.7	94.2	139.4	158.2
140°	3.8	33.9	86.6	131.8	146.9
142.5°	3.8	33.9	79.1	120.5	135.6
145°	3.8	30.1	71.6	113.0	124.3
147.5°	3.8	26.4	64.0	101.7	113.0
150°	3.8	26.4	56.5	90.4	101.7
152.5°	3.8	22.6	49.0	82.9	94.2
155°	3.8	18.8	45.2	71.6	82.9
157.5°	3.8	18.8	37.7	60.3	71.6
160°	3.8	15.1	33.9	49.0	60.3
162.5°	3.8	15.1	30.1	41.4	52.7
165°	3.8	11.3	22.6	33.9	41.4
167.5°	3.8	11.3	18.8	26.4	33.9
170°	3.8	7.5	15.1	18.8	26.4
172.5°	3.8	7.5	11.3	11.3	11.3
175°	3.8	3.8	7.5	7.5	3.8
177.5°	3.8	3.8	3.8	3.8	3.8
180°	3.8	3.8	3.8	3.8	3.8

(END OF REPORT)