

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: P566744

Luminaire Tested: **4SNX-67SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566744
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: 4SNX-67SL-SLW-UNV-L840-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

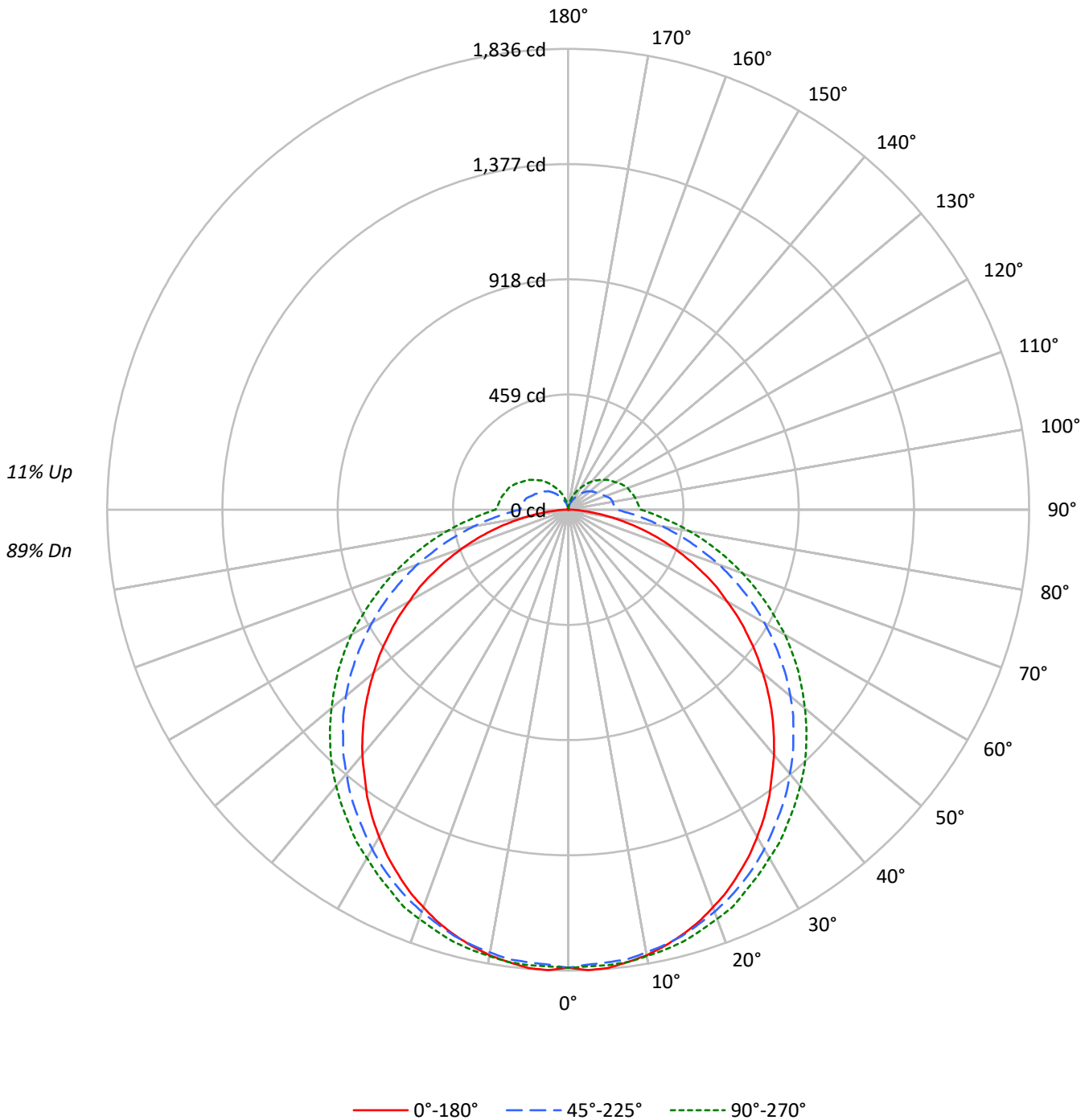
Lumens per Lamp: N/A
Luminaire Lumens: 6497.0 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 47.9
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	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°	19644	19644	19644
5°	19764	19139	19124
10°	19628	18753	18650
15°	19432	18356	18214
20°	19166	17901	17728
25°	18856	17455	17221
30°	18487	16966	16719
35°	18081	16459	16249
40°	17617	15959	15797
45°	17116	15450	15309
50°	16541	14912	14764
55°	15911	14266	14227
60°	15170	13576	13630
65°	14406	12800	12876
70°	13333	11946	12138
75°	11912	10860	11323
80°	9600	9758	10519
85°	6758	8810	9693



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.3	2.7
10°-20°	498.2	7.7
20°-30°	757.6	11.7
30°-40°	919.7	14.2
40°-50°	971.8	15.0
50°-60°	909.4	14.0
60°-70°	746.1	11.5
70°-80°	513.2	7.9
80°-90°	281.1	4.3
90°-100°	181.0	2.8
100°-110°	162.4	2.5
110°-120°	134.4	2.1
120°-130°	103.5	1.6
130°-140°	72.7	1.1
140°-150°	43.8	0.7
150°-160°	21.0	0.3
160°-170°	6.9	0.1
170°-180°	0.8	0.0
0°-30°	1429.2	22.0
0°-40°	2348.9	36.2
0°-60°	4230.0	65.1
0°-90°	5770.4	88.8
90°-120°	477.8	7.4
90°-150°	697.9	10.7
90°-180°	727.0	11.2
0°-180°	6497.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1825	1825	1825	1825	1825	
5°	1832	1829	1810	1825	1821	174
15°	1754	1761	1757	1780	1780	494
25°	1603	1622	1641	1674	1674	739
35°	1396	1430	1471	1513	1524	872
45°	1148	1200	1268	1325	1340	885
55°	873	944	1031	1095	1118	781
65°	591	670	771	843	866	585
75°	309	391	504	583	610	325
85°	68	162	275	350	376	78
90°	0	90	192	263	290	5
95°	0	86	184	252	278	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1825.0	1825.0	1825.0	1825.0	1825.0
2.5°	1836.3	1832.5	1813.7	1828.8	1821.3
5°	1832.5	1828.8	1810.0	1825.0	1821.3
7.5°	1817.5	1817.5	1806.2	1821.3	1817.5
10°	1802.4	1802.4	1791.2	1810.0	1806.2
12.5°	1779.9	1783.6	1776.1	1798.7	1794.9
15°	1753.5	1761.1	1757.3	1779.9	1779.9
17.5°	1723.4	1730.9	1730.9	1757.3	1757.3
20°	1685.8	1697.1	1704.6	1734.7	1734.7
22.5°	1648.2	1663.2	1674.5	1700.8	1712.1
25°	1603.0	1621.8	1640.6	1674.5	1674.5
27.5°	1557.9	1580.4	1603.0	1636.9	1640.6
30°	1505.2	1531.5	1561.6	1595.5	1603.0
32.5°	1452.5	1486.4	1516.5	1557.9	1569.1
35°	1396.0	1429.9	1471.3	1512.7	1524.0
37.5°	1332.1	1373.5	1426.2	1471.3	1482.6
40°	1275.6	1320.8	1373.5	1426.2	1437.4
42.5°	1211.7	1260.6	1324.6	1373.5	1392.3
45°	1147.7	1200.4	1268.1	1324.6	1339.6
47.5°	1080.0	1140.2	1215.4	1268.1	1286.9
50°	1012.2	1076.2	1155.2	1215.4	1230.5
52.5°	944.5	1012.2	1095.0	1155.2	1174.0
55°	873.0	944.5	1031.0	1095.0	1117.6
57.5°	805.3	876.8	967.1	1034.8	1057.4
60°	730.0	812.8	903.1	970.8	997.2
62.5°	666.0	741.3	839.1	906.9	929.4
65°	590.8	669.8	771.4	842.9	865.5
67.5°	519.3	602.1	703.7	778.9	801.5
70°	447.8	530.6	639.7	711.2	737.5
72.5°	376.3	462.8	568.2	647.2	673.6
75°	308.6	391.3	504.2	583.3	609.6
77.5°	237.1	327.4	440.3	519.3	549.4
80°	173.1	267.2	380.1	459.1	489.2
82.5°	116.7	210.7	323.6	402.6	432.7
85°	67.7	161.8	274.7	350.0	376.3
87.5°	33.9	124.2	229.5	304.8	331.1
90°	0.0	90.3	191.9	263.4	289.7
92.5°	0.0	86.5	188.1	255.9	282.2
95°	0.0	86.5	184.4	252.1	278.5
97.5°	0.0	82.8	180.6	252.1	274.7
100°	0.0	79.0	180.6	248.4	270.9
102.5°	0.0	75.3	176.9	244.6	267.2
105°	0.0	71.5	173.1	237.1	259.6
107.5°	3.8	71.5	165.6	233.3	255.9
110°	3.8	67.7	158.0	229.5	252.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.8	64.0	150.5	222.0	244.6
115°	3.8	64.0	146.8	210.7	237.1
117.5°	3.8	60.2	139.2	203.2	229.5
120°	3.8	60.2	135.5	195.7	218.3
122.5°	3.8	56.4	127.9	188.1	210.7
125°	3.8	52.7	124.2	180.6	203.2
127.5°	3.8	48.9	120.4	173.1	195.7
130°	3.8	45.2	112.9	165.6	184.4
132.5°	3.8	45.2	109.1	154.3	176.9
135°	3.8	41.4	101.6	146.8	165.6
137.5°	3.8	37.6	94.1	139.2	158.0
140°	3.8	33.9	86.5	131.7	146.8
142.5°	3.8	33.9	79.0	120.4	135.5
145°	3.8	30.1	71.5	112.9	124.2
147.5°	3.8	26.3	64.0	101.6	112.9
150°	3.8	26.3	56.4	90.3	101.6
152.5°	3.8	22.6	48.9	82.8	94.1
155°	3.8	18.8	45.2	71.5	82.8
157.5°	3.8	18.8	37.6	60.2	71.5
160°	3.8	15.1	33.9	48.9	60.2
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	26.3	33.9
170°	3.8	7.5	15.1	18.8	26.3
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)