

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: P566749

Luminaire Tested: **4SNX-67SL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566749
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-L950-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

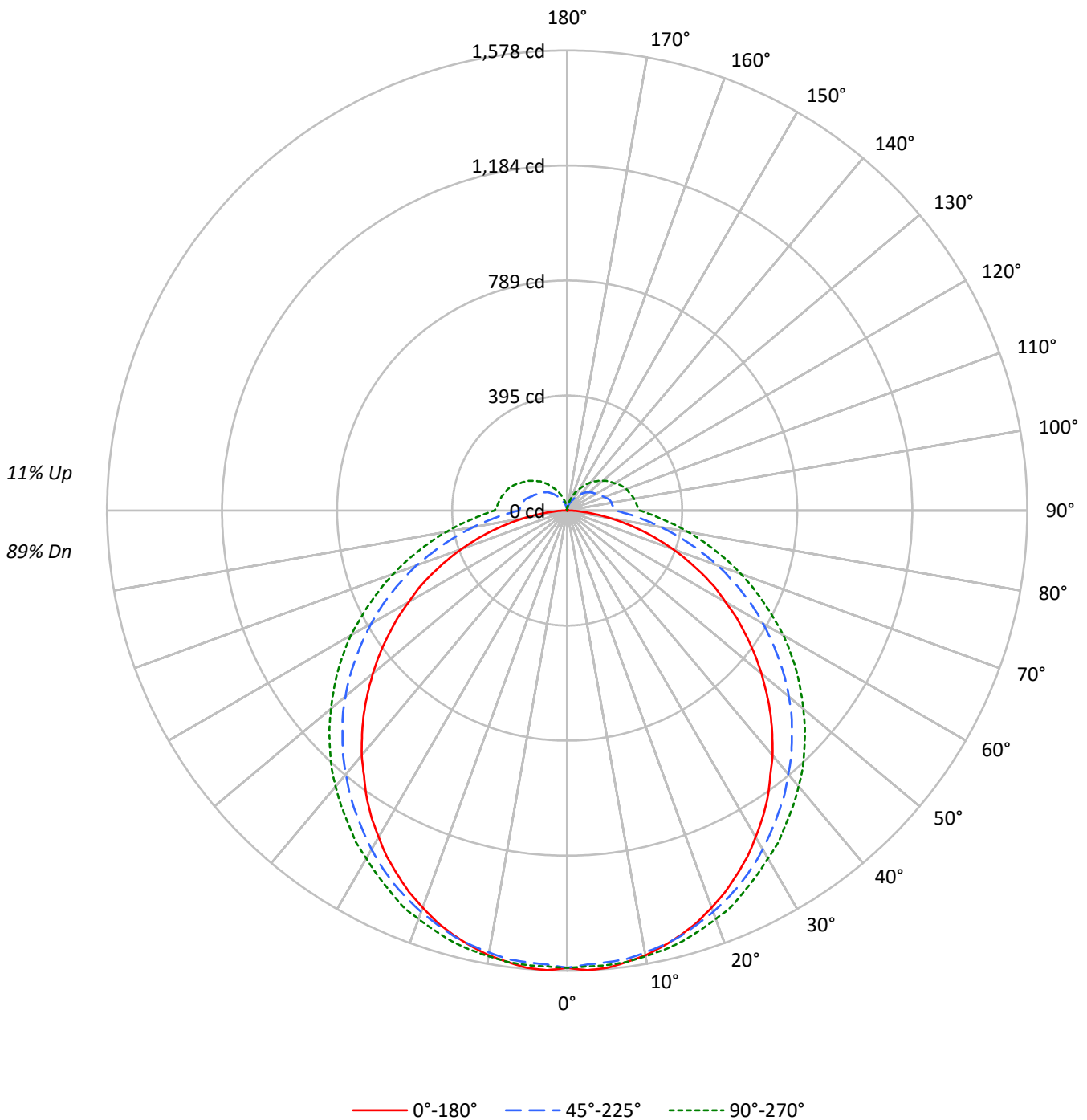
Lumens per Lamp: N/A
Luminaire Lumens: 5582.0 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 47.9
Input Voltage (V): NR
Input Current (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°	16878	16878	16878
5°	16982	16444	16430
10°	16864	16112	16023
15°	16696	15771	15649
20°	16467	15379	15232
25°	16201	14997	14796
30°	15883	14577	14365
35°	15535	14141	13961
40°	15137	13711	13572
45°	14706	13274	13153
50°	14212	12812	12685
55°	13671	12257	12224
60°	13034	11664	11709
65°	12378	10998	11063
70°	11454	10263	10430
75°	10233	9330	9727
80°	8247	8382	9037
85°	5810	7569	8327



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.9	2.7
10°-20°	428.1	7.7
20°-30°	650.9	11.7
30°-40°	790.1	14.2
40°-50°	834.9	15.0
50°-60°	781.3	14.0
60°-70°	641.1	11.5
70°-80°	440.9	7.9
80°-90°	241.5	4.3
90°-100°	155.5	2.8
100°-110°	139.5	2.5
110°-120°	115.5	2.1
120°-130°	88.9	1.6
130°-140°	62.5	1.1
140°-150°	37.7	0.7
150°-160°	18.0	0.3
160°-170°	5.9	0.1
170°-180°	0.7	0.0
0°-30°	1227.9	22.0
0°-40°	2018.1	36.2
0°-60°	3634.3	65.1
0°-90°	4957.8	88.8
90°-120°	410.5	7.4
90°-150°	599.6	10.7
90°-180°	624.0	11.2
0°-180°	5582.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1568	1568	1568	1568	1568	
5°	1574	1571	1555	1568	1565	149
15°	1507	1513	1510	1529	1529	425
25°	1377	1393	1410	1439	1439	635
35°	1199	1228	1264	1300	1309	749
45°	986	1031	1090	1138	1151	760
55°	750	812	886	941	960	671
65°	508	576	663	724	744	503
75°	265	336	433	501	524	279
85°	58	139	236	301	323	67
90°	0	78	165	226	249	4
95°	0	74	158	217	239	0
105°	0	61	149	204	223	2
115°	3	55	126	181	204	3
125°	3	45	107	155	175	3
135°	3	36	87	126	142	2
145°	3	26	61	97	107	2
155°	3	16	39	61	71	1
165°	3	10	19	29	36	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1568.0	1568.0	1568.0	1568.0	1568.0
2.5°	1577.7	1574.5	1558.3	1571.2	1564.8
5°	1574.5	1571.2	1555.1	1568.0	1564.8
7.5°	1561.5	1561.5	1551.8	1564.8	1561.5
10°	1548.6	1548.6	1538.9	1555.1	1551.8
12.5°	1529.2	1532.4	1526.0	1545.4	1542.1
15°	1506.6	1513.0	1509.8	1529.2	1529.2
17.5°	1480.7	1487.2	1487.2	1509.8	1509.8
20°	1448.4	1458.1	1464.5	1490.4	1490.4
22.5°	1416.0	1429.0	1438.7	1461.3	1471.0
25°	1377.3	1393.4	1409.6	1438.7	1438.7
27.5°	1338.5	1357.9	1377.3	1406.3	1409.6
30°	1293.2	1315.8	1341.7	1370.8	1377.3
32.5°	1247.9	1277.0	1302.9	1338.5	1348.2
35°	1199.4	1228.5	1264.1	1299.7	1309.4
37.5°	1144.5	1180.0	1225.3	1264.1	1273.8
40°	1096.0	1134.8	1180.0	1225.3	1235.0
42.5°	1041.0	1083.0	1138.0	1180.0	1196.2
45°	986.1	1031.3	1089.5	1138.0	1150.9
47.5°	927.9	979.6	1044.3	1089.5	1105.7
50°	869.7	924.6	992.5	1044.3	1057.2
52.5°	811.5	869.7	940.8	992.5	1008.7
55°	750.1	811.5	885.8	940.8	960.2
57.5°	691.9	753.3	830.9	889.1	908.5
60°	627.2	698.3	775.9	834.1	856.7
62.5°	572.2	636.9	721.0	779.1	798.5
65°	507.6	575.5	662.8	724.2	743.6
67.5°	446.2	517.3	604.6	669.2	688.6
70°	384.7	455.9	549.6	611.0	633.7
72.5°	323.3	397.7	488.2	556.1	578.7
75°	265.1	336.2	433.2	501.1	523.7
77.5°	203.7	281.3	378.3	446.2	472.0
80°	148.7	229.5	326.5	394.4	420.3
82.5°	100.2	181.0	278.0	345.9	371.8
85°	58.2	139.0	236.0	300.7	323.3
87.5°	29.1	106.7	197.2	261.9	284.5
90°	0.0	77.6	164.9	226.3	248.9
92.5°	0.0	74.4	161.6	219.8	242.5
95°	0.0	74.4	158.4	216.6	239.2
97.5°	0.0	71.1	155.2	216.6	236.0
100°	0.0	67.9	155.2	213.4	232.8
102.5°	0.0	64.7	152.0	210.1	229.5
105°	0.0	61.4	148.7	203.7	223.1
107.5°	3.2	61.4	142.3	200.4	219.8
110°	3.2	58.2	135.8	197.2	216.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	55.0	129.3	190.7	210.1
115°	3.2	55.0	126.1	181.0	203.7
117.5°	3.2	51.7	119.6	174.6	197.2
120°	3.2	51.7	116.4	168.1	187.5
122.5°	3.2	48.5	109.9	161.6	181.0
125°	3.2	45.3	106.7	155.2	174.6
127.5°	3.2	42.0	103.5	148.7	168.1
130°	3.2	38.8	97.0	142.3	158.4
132.5°	3.2	38.8	93.8	132.6	152.0
135°	3.2	35.6	87.3	126.1	142.3
137.5°	3.2	32.3	80.8	119.6	135.8
140°	3.2	29.1	74.4	113.2	126.1
142.5°	3.2	29.1	67.9	103.5	116.4
145°	3.2	25.9	61.4	97.0	106.7
147.5°	3.2	22.6	55.0	87.3	97.0
150°	3.2	22.6	48.5	77.6	87.3
152.5°	3.2	19.4	42.0	71.1	80.8
155°	3.2	16.2	38.8	61.4	71.1
157.5°	3.2	16.2	32.3	51.7	61.4
160°	3.2	12.9	29.1	42.0	51.7
162.5°	3.2	12.9	25.9	35.6	45.3
165°	3.2	9.7	19.4	29.1	35.6
167.5°	3.2	9.7	16.2	22.6	29.1
170°	3.2	6.5	12.9	16.2	22.6
172.5°	3.2	6.5	9.7	9.7	9.7
175°	3.2	3.2	6.5	6.5	3.2
177.5°	3.2	3.2	3.2	3.2	3.2
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)