

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: P566598

Luminaire Tested: **4SNX-57SL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566598  
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-57SL-SLW-UNV-L830-CD  
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

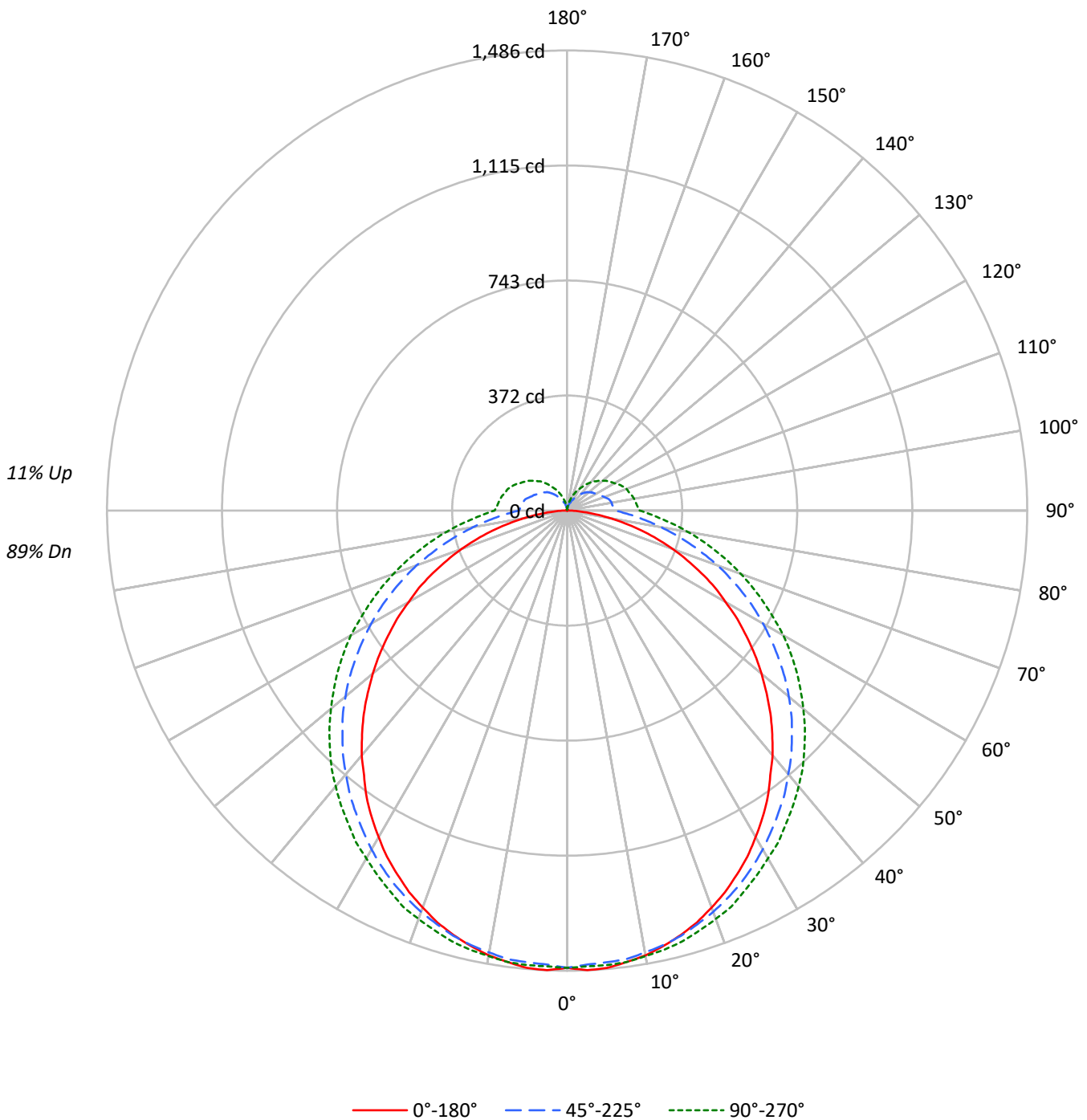
Lumens per Lamp: N/A  
Luminaire Lumens: 5256.0 lumens  
Efficiency: N/A  
Efficacy: 132.4 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 39.7  
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°	15892	15892	15892
5°	15989	15483	15471
10°	15880	15170	15088
15°	15721	14849	14735
20°	15505	14481	14342
25°	15254	14121	13932
30°	14956	13725	13525
35°	14628	13315	13145
40°	14253	12910	12780
45°	13847	12499	12385
50°	13382	12064	11943
55°	12871	11542	11509
60°	12273	10983	11026
65°	11653	10356	10417
70°	10787	9664	9821
75°	9634	8786	9161
80°	7764	7894	8508
85°	5470	7126	7841



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.2	2.7
10°-20°	403.1	7.7
20°-30°	612.9	11.7
30°-40°	744.0	14.2
40°-50°	786.2	15.0
50°-60°	735.7	14.0
60°-70°	603.6	11.5
70°-80°	415.2	7.9
80°-90°	227.4	4.3
90°-100°	146.4	2.8
100°-110°	131.4	2.5
110°-120°	108.7	2.1
120°-130°	83.7	1.6
130°-140°	58.8	1.1
140°-150°	35.5	0.7
150°-160°	17.0	0.3
160°-170°	5.6	0.1
170°-180°	0.7	0.0
0°-30°	1156.2	22.0
0°-40°	1900.2	36.2
0°-60°	3422.1	65.1
0°-90°	4668.2	88.8
90°-120°	386.5	7.4
90°-150°	564.6	10.7
90°-180°	588.0	11.2
0°-180°	5256.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1476	1476	1476	1476	1476	
5°	1482	1480	1464	1476	1473	141
15°	1419	1425	1422	1440	1440	400
25°	1297	1312	1327	1355	1355	598
35°	1129	1157	1190	1224	1233	705
45°	928	971	1026	1072	1084	716
55°	706	764	834	886	904	632
65°	478	542	624	682	700	473
75°	250	317	408	472	493	263
85°	55	131	222	283	304	63
90°	0	73	155	213	234	4
95°	0	70	149	204	225	0
105°	0	58	140	192	210	2
115°	3	52	119	170	192	3
125°	3	43	100	146	164	3
135°	3	34	82	119	134	2
145°	3	24	58	91	100	2
155°	3	15	36	58	67	1
165°	3	9	18	27	34	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°	1476.4	1476.4	1476.4	1476.4	1476.4
2.5°	1485.6	1482.5	1467.3	1479.5	1473.4
5°	1482.5	1479.5	1464.2	1476.4	1473.4
7.5°	1470.3	1470.3	1461.2	1473.4	1470.3
10°	1458.2	1458.2	1449.0	1464.2	1461.2
12.5°	1439.9	1442.9	1436.8	1455.1	1452.1
15°	1418.6	1424.7	1421.6	1439.9	1439.9
17.5°	1394.2	1400.3	1400.3	1421.6	1421.6
20°	1363.8	1372.9	1379.0	1403.4	1403.4
22.5°	1333.3	1345.5	1354.7	1376.0	1385.1
25°	1296.8	1312.0	1327.3	1354.7	1354.7
27.5°	1260.3	1278.6	1296.8	1324.2	1327.3
30°	1217.7	1239.0	1263.3	1290.7	1296.8
32.5°	1175.0	1202.4	1226.8	1260.3	1269.4
35°	1129.4	1156.8	1190.3	1223.8	1232.9
37.5°	1077.6	1111.1	1153.7	1190.3	1199.4
40°	1032.0	1068.5	1111.1	1153.7	1162.9
42.5°	980.2	1019.8	1071.5	1111.1	1126.3
45°	928.5	971.1	1025.9	1071.5	1083.7
47.5°	873.7	922.4	983.3	1025.9	1041.1
50°	818.9	870.6	934.6	983.3	995.4
52.5°	764.1	818.9	885.9	934.6	949.8
55°	706.2	764.1	834.1	885.9	904.1
57.5°	651.5	709.3	782.4	837.1	855.4
60°	590.6	657.5	730.6	785.4	806.7
62.5°	538.8	599.7	678.9	733.6	751.9
65°	477.9	541.9	624.1	681.9	700.2
67.5°	420.1	487.1	569.3	630.1	648.4
70°	362.3	429.2	517.5	575.3	596.7
72.5°	304.4	374.4	459.7	523.6	544.9
75°	249.6	316.6	407.9	471.8	493.2
77.5°	191.8	264.8	356.2	420.1	444.4
80°	140.0	216.1	307.5	371.4	395.7
82.5°	94.4	170.5	261.8	325.7	350.1
85°	54.8	130.9	222.2	283.1	304.4
87.5°	27.4	100.5	185.7	246.6	267.9
90°	0.0	73.1	155.3	213.1	234.4
92.5°	0.0	70.0	152.2	207.0	228.3
95°	0.0	70.0	149.2	204.0	225.3
97.5°	0.0	67.0	146.1	204.0	222.2
100°	0.0	63.9	146.1	200.9	219.2
102.5°	0.0	60.9	143.1	197.9	216.1
105°	0.0	57.8	140.0	191.8	210.0
107.5°	3.0	57.8	133.9	188.7	207.0
110°	3.0	54.8	127.9	185.7	204.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	51.8	121.8	179.6	197.9
115°	3.0	51.8	118.7	170.5	191.8
117.5°	3.0	48.7	112.6	164.4	185.7
120°	3.0	48.7	109.6	158.3	176.6
122.5°	3.0	45.7	103.5	152.2	170.5
125°	3.0	42.6	100.5	146.1	164.4
127.5°	3.0	39.6	97.4	140.0	158.3
130°	3.0	36.5	91.3	133.9	149.2
132.5°	3.0	36.5	88.3	124.8	143.1
135°	3.0	33.5	82.2	118.7	133.9
137.5°	3.0	30.4	76.1	112.6	127.9
140°	3.0	27.4	70.0	106.5	118.7
142.5°	3.0	27.4	63.9	97.4	109.6
145°	3.0	24.4	57.8	91.3	100.5
147.5°	3.0	21.3	51.8	82.2	91.3
150°	3.0	21.3	45.7	73.1	82.2
152.5°	3.0	18.3	39.6	67.0	76.1
155°	3.0	15.2	36.5	57.8	67.0
157.5°	3.0	15.2	30.4	48.7	57.8
160°	3.0	12.2	27.4	39.6	48.7
162.5°	3.0	12.2	24.4	33.5	42.6
165°	3.0	9.1	18.3	27.4	33.5
167.5°	3.0	9.1	15.2	21.3	27.4
170°	3.0	6.1	12.2	15.2	21.3
172.5°	3.0	6.1	9.1	9.1	9.1
175°	3.0	3.0	6.1	6.1	3.0
177.5°	3.0	3.0	3.0	3.0	3.0
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)