

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: P566638

Luminaire Tested: **4SNX-60SL-LW-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566638  
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-60SL-LW-UNV-L830-CD  
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

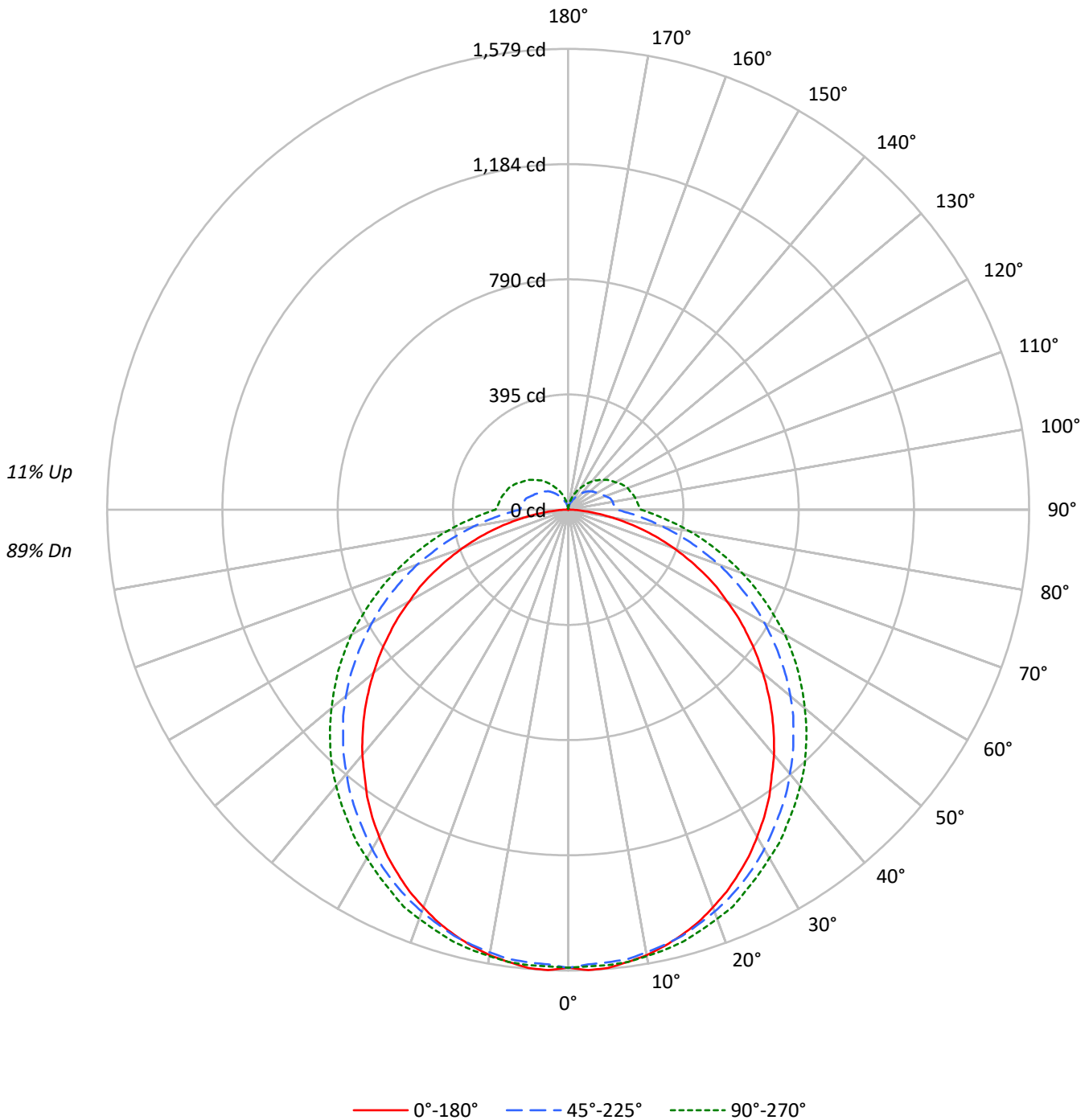
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5587.0 lumens  
Efficiency: N/A  
Efficacy: 133.0 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: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 42  
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°	16893	16893	16893
5°	16966	16112	15990
10°	16818	15469	15191
15°	16618	14848	14471
20°	16358	14202	13750
25°	16060	13583	13047
30°	15710	12947	12372
35°	15328	12308	11740
40°	14894	11685	11138
45°	14422	11060	10522
50°	13887	10417	9874
55°	13297	9700	9239
60°	12605	8952	8567
65°	11877	8146	7802
70°	10875	7286	7049
75°	9549	6285	6250
80°	7466	5274	5455
85°	4869	4338	4636



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.1	2.7
10°-20°	428.5	7.7
20°-30°	651.5	11.7
30°-40°	790.8	14.2
40°-50°	835.7	15.0
50°-60°	782.0	14.0
60°-70°	641.6	11.5
70°-80°	441.3	7.9
80°-90°	241.7	4.3
90°-100°	155.6	2.8
100°-110°	139.7	2.5
110°-120°	115.6	2.1
120°-130°	89.0	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°	1229.0	22.0
0°-40°	2019.9	36.2
0°-60°	3637.6	65.1
0°-90°	4962.2	88.8
90°-120°	410.9	7.4
90°-150°	600.1	10.7
90°-180°	625.0	11.2
0°-180°	5587.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1569	1569	1569	1569	1569	
5°	1576	1573	1556	1569	1566	149
15°	1508	1514	1511	1531	1531	425
25°	1378	1395	1411	1440	1440	635
35°	1200	1230	1265	1301	1310	750
45°	987	1032	1090	1139	1152	761
55°	751	812	887	942	961	672
65°	508	576	663	725	744	503
75°	265	336	434	502	524	279
85°	58	139	236	301	324	67
90°	0	78	165	226	249	4
95°	0	74	159	217	240	0
105°	0	62	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	62	97	107	2
155°	3	16	39	62	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°	1569.4	1569.4	1569.4	1569.4	1569.4
2.5°	1579.1	1575.9	1559.7	1572.6	1566.2
5°	1575.9	1572.6	1556.5	1569.4	1566.2
7.5°	1562.9	1562.9	1553.2	1566.2	1562.9
10°	1550.0	1550.0	1540.3	1556.5	1553.2
12.5°	1530.6	1533.8	1527.3	1546.8	1543.5
15°	1507.9	1514.4	1511.2	1530.6	1530.6
17.5°	1482.0	1488.5	1488.5	1511.2	1511.2
20°	1449.7	1459.4	1465.9	1491.7	1491.7
22.5°	1417.3	1430.3	1440.0	1462.6	1472.3
25°	1378.5	1394.7	1410.8	1440.0	1440.0
27.5°	1339.7	1359.1	1378.5	1407.6	1410.8
30°	1294.4	1317.0	1342.9	1372.0	1378.5
32.5°	1249.0	1278.2	1304.1	1339.7	1349.4
35°	1200.5	1229.6	1265.2	1300.8	1310.5
37.5°	1145.5	1181.1	1226.4	1265.2	1274.9
40°	1097.0	1135.8	1181.1	1226.4	1236.1
42.5°	1042.0	1084.0	1139.0	1181.1	1197.3
45°	986.9	1032.2	1090.5	1139.0	1152.0
47.5°	928.7	980.5	1045.2	1090.5	1106.7
50°	870.5	925.5	993.4	1045.2	1058.1
52.5°	812.2	870.5	941.6	993.4	1009.6
55°	750.7	812.2	886.6	941.6	961.1
57.5°	692.5	754.0	831.6	889.9	909.3
60°	627.8	698.9	776.6	834.9	857.5
62.5°	572.8	637.5	721.6	779.8	799.3
65°	508.0	576.0	663.4	724.8	744.3
67.5°	446.6	517.7	605.1	669.8	689.2
70°	385.1	456.3	550.1	611.6	634.2
72.5°	323.6	398.0	488.6	556.6	579.2
75°	265.3	336.5	433.6	501.6	524.2
77.5°	203.9	281.5	378.6	446.6	472.4
80°	148.9	229.7	326.8	394.8	420.7
82.5°	100.3	181.2	278.3	346.2	372.1
85°	58.2	139.1	236.2	300.9	323.6
87.5°	29.1	106.8	197.4	262.1	284.8
90°	0.0	77.7	165.0	226.5	249.2
92.5°	0.0	74.4	161.8	220.0	242.7
95°	0.0	74.4	158.6	216.8	239.5
97.5°	0.0	71.2	155.3	216.8	236.2
100°	0.0	68.0	155.3	213.6	233.0
102.5°	0.0	64.7	152.1	210.3	229.7
105°	0.0	61.5	148.9	203.9	223.3
107.5°	3.2	61.5	142.4	200.6	220.0
110°	3.2	58.2	135.9	197.4	216.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	55.0	129.4	190.9	210.3
115°	3.2	55.0	126.2	181.2	203.9
117.5°	3.2	51.8	119.7	174.7	197.4
120°	3.2	51.8	116.5	168.3	187.7
122.5°	3.2	48.5	110.0	161.8	181.2
125°	3.2	45.3	106.8	155.3	174.7
127.5°	3.2	42.1	103.5	148.9	168.3
130°	3.2	38.8	97.1	142.4	158.6
132.5°	3.2	38.8	93.8	132.7	152.1
135°	3.2	35.6	87.4	126.2	142.4
137.5°	3.2	32.4	80.9	119.7	135.9
140°	3.2	29.1	74.4	113.3	126.2
142.5°	3.2	29.1	68.0	103.5	116.5
145°	3.2	25.9	61.5	97.1	106.8
147.5°	3.2	22.7	55.0	87.4	97.1
150°	3.2	22.7	48.5	77.7	87.4
152.5°	3.2	19.4	42.1	71.2	80.9
155°	3.2	16.2	38.8	61.5	71.2
157.5°	3.2	16.2	32.4	51.8	61.5
160°	3.2	12.9	29.1	42.1	51.8
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	22.7	29.1
170°	3.2	6.5	12.9	16.2	22.7
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)