

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: P566646

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566646  
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-SLW-UNV-L830-CD  
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

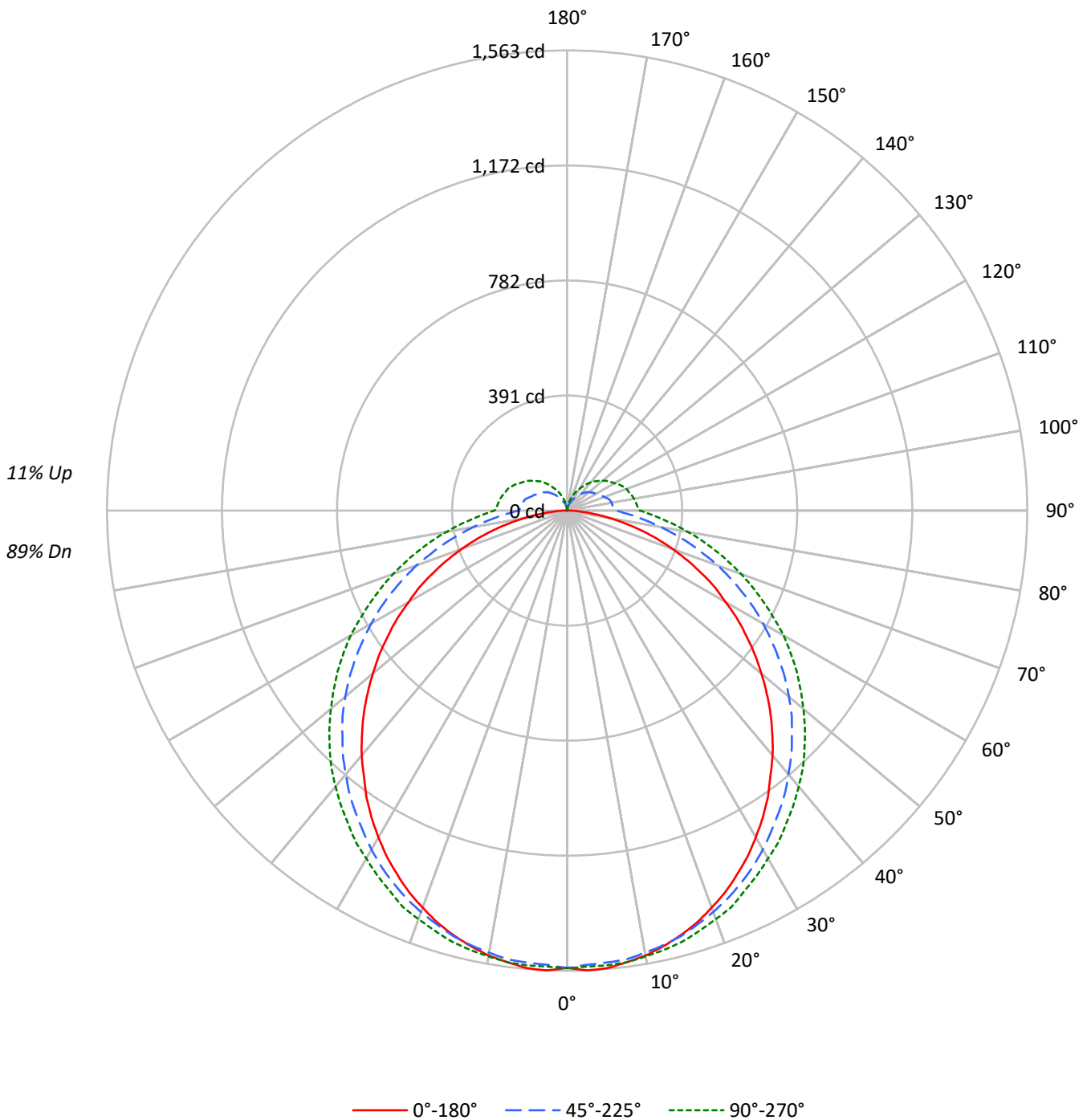
Lumens per Lamp: N/A  
Luminaire Lumens: 5531.0 lumens  
Efficiency: N/A  
Efficacy: 131.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 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°	16724	16724	16724
5°	16826	16294	16280
10°	16711	15964	15878
15°	16543	15626	15505
20°	16315	15240	15093
25°	16053	14860	14661
30°	15738	14443	14234
35°	15394	14011	13833
40°	14999	13587	13448
45°	14572	13153	13033
50°	14082	12695	12568
55°	13546	12145	12112
60°	12915	11557	11603
65°	12263	10897	10962
70°	11350	10170	10334
75°	10140	9246	9640
80°	8175	8305	8953
85°	5760	7501	8250



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.6	2.7
10°-20°	424.2	7.7
20°-30°	645.0	11.7
30°-40°	782.9	14.2
40°-50°	827.3	15.0
50°-60°	774.2	14.0
60°-70°	635.2	11.5
70°-80°	436.9	7.9
80°-90°	239.3	4.3
90°-100°	154.1	2.8
100°-110°	138.3	2.5
110°-120°	114.4	2.1
120°-130°	88.1	1.6
130°-140°	61.9	1.1
140°-150°	37.3	0.7
150°-160°	17.9	0.3
160°-170°	5.9	0.1
170°-180°	0.7	0.0
0°-30°	1216.7	22.0
0°-40°	1999.6	36.2
0°-60°	3601.1	65.1
0°-90°	4912.5	88.8
90°-120°	406.8	7.4
90°-150°	594.1	10.7
90°-180°	619.0	11.2
0°-180°	5531.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1554	1554	1554	1554	1554	
5°	1560	1557	1541	1554	1550	148
15°	1493	1499	1496	1515	1515	421
25°	1365	1381	1397	1426	1426	629
35°	1188	1217	1252	1288	1297	742
45°	977	1022	1080	1128	1140	753
55°	743	804	878	932	951	665
65°	503	570	657	718	737	498
75°	263	333	429	496	519	277
85°	58	138	234	298	320	67
90°	0	77	163	224	247	4
95°	0	74	157	215	237	0
105°	0	61	147	202	221	2
115°	3	54	125	179	202	3
125°	3	45	106	154	173	3
135°	3	35	86	125	141	2
145°	3	26	61	96	106	2
155°	3	16	38	61	70	1
165°	3	10	19	29	35	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°	1553.7	1553.7	1553.7	1553.7	1553.7
2.5°	1563.3	1560.1	1544.1	1556.9	1550.5
5°	1560.1	1556.9	1540.9	1553.7	1550.5
7.5°	1547.3	1547.3	1537.7	1550.5	1547.3
10°	1534.5	1534.5	1524.8	1540.9	1537.7
12.5°	1515.2	1518.4	1512.0	1531.2	1528.0
15°	1492.8	1499.2	1496.0	1515.2	1515.2
17.5°	1467.2	1473.6	1473.6	1496.0	1496.0
20°	1435.1	1444.8	1451.2	1476.8	1476.8
22.5°	1403.1	1415.9	1425.5	1448.0	1457.6
25°	1364.7	1380.7	1396.7	1425.5	1425.5
27.5°	1326.2	1345.4	1364.7	1393.5	1396.7
30°	1281.4	1303.8	1329.4	1358.3	1364.7
32.5°	1236.5	1265.4	1291.0	1326.2	1335.8
35°	1188.5	1217.3	1252.5	1287.8	1297.4
37.5°	1134.0	1169.3	1214.1	1252.5	1262.2
40°	1086.0	1124.4	1169.3	1214.1	1223.7
42.5°	1031.5	1073.2	1127.6	1169.3	1185.3
45°	977.1	1021.9	1079.6	1127.6	1140.4
47.5°	919.4	970.6	1034.7	1079.6	1095.6
50°	861.7	916.2	983.5	1034.7	1047.5
52.5°	804.1	861.7	932.2	983.5	999.5
55°	743.2	804.1	877.7	932.2	951.4
57.5°	685.5	746.4	823.3	880.9	900.2
60°	621.5	691.9	768.8	826.5	848.9
62.5°	567.0	631.1	714.4	772.0	791.3
65°	502.9	570.2	656.7	717.6	736.8
67.5°	442.1	512.6	599.0	663.1	682.3
70°	381.2	451.7	544.6	605.5	627.9
72.5°	320.3	394.0	483.7	551.0	573.4
75°	262.7	333.2	429.3	496.5	519.0
77.5°	201.8	278.7	374.8	442.1	467.7
80°	147.4	227.4	323.5	390.8	416.4
82.5°	99.3	179.4	275.5	342.8	368.4
85°	57.7	137.7	233.9	297.9	320.3
87.5°	28.8	105.7	195.4	259.5	281.9
90°	0.0	76.9	163.4	224.2	246.7
92.5°	0.0	73.7	160.2	217.8	240.3
95°	0.0	73.7	157.0	214.6	237.1
97.5°	0.0	70.5	153.8	214.6	233.9
100°	0.0	67.3	153.8	211.4	230.6
102.5°	0.0	64.1	150.6	208.2	227.4
105°	0.0	60.9	147.4	201.8	221.0
107.5°	3.2	60.9	141.0	198.6	217.8
110°	3.2	57.7	134.5	195.4	214.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	54.5	128.1	189.0	208.2
115°	3.2	54.5	124.9	179.4	201.8
117.5°	3.2	51.3	118.5	173.0	195.4
120°	3.2	51.3	115.3	166.6	185.8
122.5°	3.2	48.1	108.9	160.2	179.4
125°	3.2	44.8	105.7	153.8	173.0
127.5°	3.2	41.6	102.5	147.4	166.6
130°	3.2	38.4	96.1	141.0	157.0
132.5°	3.2	38.4	92.9	131.3	150.6
135°	3.2	35.2	86.5	124.9	141.0
137.5°	3.2	32.0	80.1	118.5	134.5
140°	3.2	28.8	73.7	112.1	124.9
142.5°	3.2	28.8	67.3	102.5	115.3
145°	3.2	25.6	60.9	96.1	105.7
147.5°	3.2	22.4	54.5	86.5	96.1
150°	3.2	22.4	48.1	76.9	86.5
152.5°	3.2	19.2	41.6	70.5	80.1
155°	3.2	16.0	38.4	60.9	70.5
157.5°	3.2	16.0	32.0	51.3	60.9
160°	3.2	12.8	28.8	41.6	51.3
162.5°	3.2	12.8	25.6	35.2	44.8
165°	3.2	9.6	19.2	28.8	35.2
167.5°	3.2	9.6	16.0	22.4	28.8
170°	3.2	6.4	12.8	16.0	22.4
172.5°	3.2	6.4	9.6	9.6	9.6
175°	3.2	3.2	6.4	6.4	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)