

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: P566649

Luminaire Tested: **4SNX-60SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566649  
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-L850-CD  
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

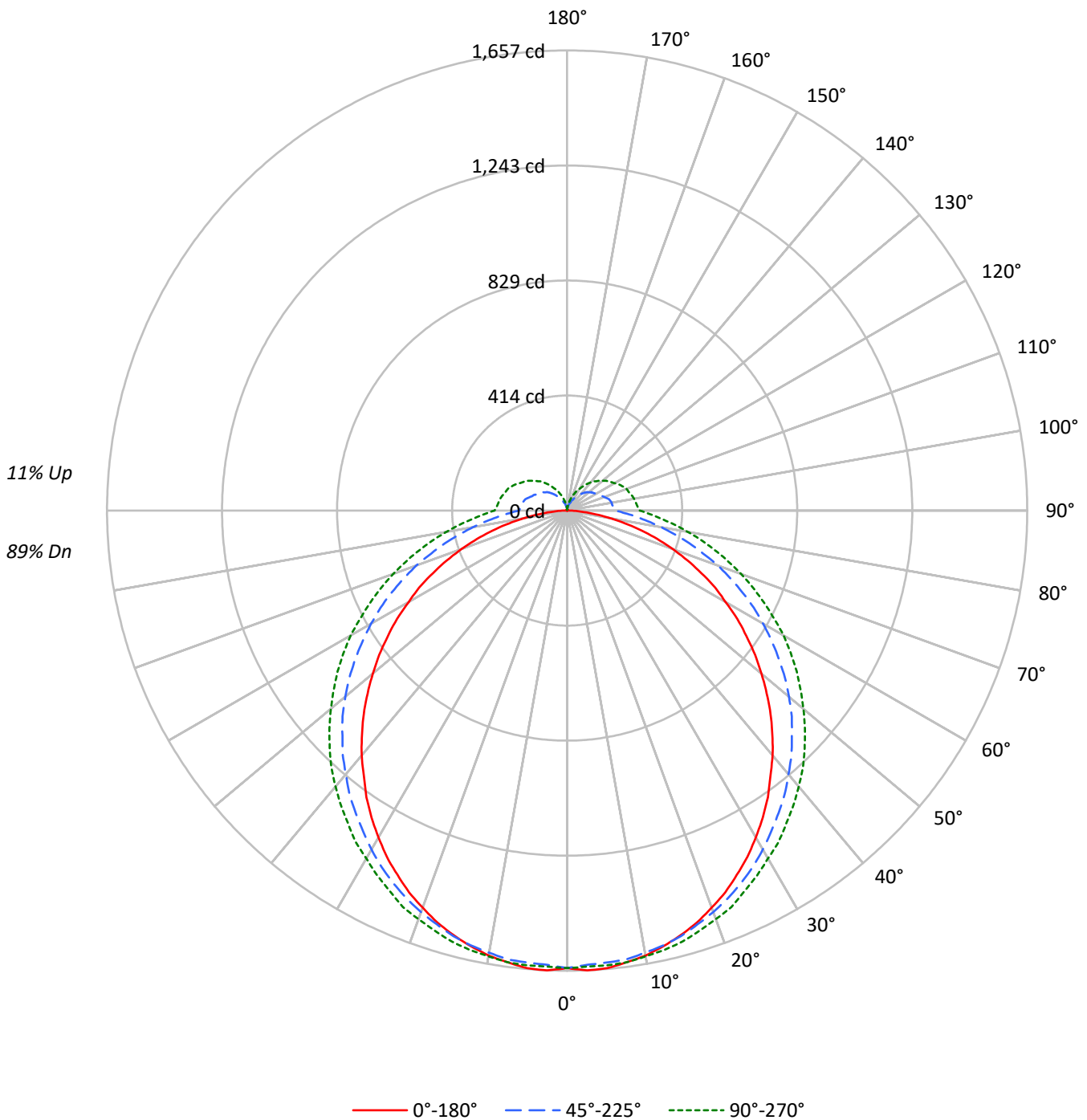
Lumens per Lamp: N/A  
Luminaire Lumens: 5864.0 lumens  
Efficiency: N/A  
Efficacy: 139.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 42  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	17730	17730	17730
5°	17839	17274	17260
10°	17716	16925	16833
15°	17539	16568	16440
20°	17298	16156	16001
25°	17018	15755	15544
30°	16685	15314	15090
35°	16320	14856	14665
40°	15900	14405	14258
45°	15448	13945	13818
50°	14930	13460	13325
55°	14360	12877	12841
60°	13693	12253	12301
65°	13002	11552	11622
70°	12035	10782	10957
75°	10750	9802	10220
80°	8663	8805	9493
85°	6099	7950	8747



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.5	2.7
10°-20°	449.7	7.7
20°-30°	683.8	11.7
30°-40°	830.1	14.2
40°-50°	877.1	15.0
50°-60°	820.8	14.0
60°-70°	673.4	11.5
70°-80°	463.2	7.9
80°-90°	253.7	4.3
90°-100°	163.3	2.8
100°-110°	146.6	2.5
110°-120°	121.3	2.1
120°-130°	93.4	1.6
130°-140°	65.7	1.1
140°-150°	39.6	0.7
150°-160°	18.9	0.3
160°-170°	6.2	0.1
170°-180°	0.7	0.0
0°-30°	1290.0	22.0
0°-40°	2120.0	36.2
0°-60°	3817.9	65.1
0°-90°	5208.2	88.8
90°-120°	431.2	7.4
90°-150°	629.9	10.7
90°-180°	656.0	11.2
0°-180°	5864.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1647	1647	1647	1647	1647	
5°	1654	1651	1634	1647	1644	157
15°	1583	1590	1586	1606	1606	446
25°	1447	1464	1481	1511	1511	667
35°	1260	1291	1328	1365	1376	787
45°	1036	1083	1145	1196	1209	798
55°	788	852	931	988	1009	705
65°	533	604	696	761	781	528
75°	278	353	455	526	550	293
85°	61	146	248	316	340	71
90°	0	82	173	238	262	4
95°	0	78	166	228	251	0
105°	0	64	156	214	234	2
115°	3	58	132	190	214	3
125°	3	48	112	163	183	3
135°	3	37	92	132	149	3
145°	3	27	64	102	112	2
155°	3	17	41	64	75	2
165°	3	10	20	31	37	1
175°	3	3	7	7	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1647.2	1647.2	1647.2	1647.2	1647.2
2.5°	1657.4	1654.0	1637.0	1650.6	1643.8
5°	1654.0	1650.6	1633.6	1647.2	1643.8
7.5°	1640.4	1640.4	1630.2	1643.8	1640.4
10°	1626.8	1626.8	1616.6	1633.6	1630.2
12.5°	1606.5	1609.9	1603.1	1623.4	1620.0
15°	1582.7	1589.5	1586.1	1606.5	1606.5
17.5°	1555.5	1562.3	1562.3	1586.1	1586.1
20°	1521.5	1531.7	1538.5	1565.7	1565.7
22.5°	1487.6	1501.2	1511.4	1535.1	1545.3
25°	1446.8	1463.8	1480.8	1511.4	1511.4
27.5°	1406.1	1426.5	1446.8	1477.4	1480.8
30°	1358.5	1382.3	1409.5	1440.0	1446.8
32.5°	1311.0	1341.5	1368.7	1406.1	1416.3
35°	1260.0	1290.6	1328.0	1365.3	1375.5
37.5°	1202.3	1239.7	1287.2	1328.0	1338.1
40°	1151.3	1192.1	1239.7	1287.2	1297.4
42.5°	1093.6	1137.8	1195.5	1239.7	1256.6
45°	1035.9	1083.4	1144.6	1195.5	1209.1
47.5°	974.7	1029.1	1097.0	1144.6	1161.5
50°	913.6	971.3	1042.7	1097.0	1110.6
52.5°	852.5	913.6	988.3	1042.7	1059.6
55°	787.9	852.5	930.6	988.3	1008.7
57.5°	726.8	791.3	872.9	934.0	954.4
60°	658.9	733.6	815.1	876.2	900.0
62.5°	601.1	669.1	757.4	818.5	838.9
65°	533.2	604.5	696.2	760.8	781.2
67.5°	468.7	543.4	635.1	703.0	723.4
70°	404.2	478.9	577.4	641.9	665.7
72.5°	339.6	417.7	512.8	584.2	607.9
75°	278.5	353.2	455.1	526.4	550.2
77.5°	214.0	295.5	397.4	468.7	495.9
80°	156.2	241.1	343.0	414.4	441.5
82.5°	105.3	190.2	292.1	363.4	390.6
85°	61.1	146.0	247.9	315.9	339.6
87.5°	30.6	112.1	207.2	275.1	298.9
90°	0.0	81.5	173.2	237.7	261.5
92.5°	0.0	78.1	169.8	230.9	254.7
95°	0.0	78.1	166.4	227.6	251.3
97.5°	0.0	74.7	163.0	227.6	247.9
100°	0.0	71.3	163.0	224.2	244.5
102.5°	0.0	67.9	159.6	220.8	241.1
105°	0.0	64.5	156.2	214.0	234.3
107.5°	3.4	64.5	149.4	210.6	230.9
110°	3.4	61.1	142.6	207.2	227.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	57.7	135.9	200.4	220.8
115°	3.4	57.7	132.5	190.2	214.0
117.5°	3.4	54.3	125.7	183.4	207.2
120°	3.4	54.3	122.3	176.6	197.0
122.5°	3.4	50.9	115.5	169.8	190.2
125°	3.4	47.5	112.1	163.0	183.4
127.5°	3.4	44.2	108.7	156.2	176.6
130°	3.4	40.8	101.9	149.4	166.4
132.5°	3.4	40.8	98.5	139.2	159.6
135°	3.4	37.4	91.7	132.5	149.4
137.5°	3.4	34.0	84.9	125.7	142.6
140°	3.4	30.6	78.1	118.9	132.5
142.5°	3.4	30.6	71.3	108.7	122.3
145°	3.4	27.2	64.5	101.9	112.1
147.5°	3.4	23.8	57.7	91.7	101.9
150°	3.4	23.8	50.9	81.5	91.7
152.5°	3.4	20.4	44.2	74.7	84.9
155°	3.4	17.0	40.8	64.5	74.7
157.5°	3.4	17.0	34.0	54.3	64.5
160°	3.4	13.6	30.6	44.2	54.3
162.5°	3.4	13.6	27.2	37.4	47.5
165°	3.4	10.2	20.4	30.6	37.4
167.5°	3.4	10.2	17.0	23.8	30.6
170°	3.4	6.8	13.6	17.0	23.8
172.5°	3.4	6.8	10.2	10.2	10.2
175°	3.4	3.4	6.8	6.8	3.4
177.5°	3.4	3.4	3.4	3.4	3.4
180°	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)