

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: P566641

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566641
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-L850-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

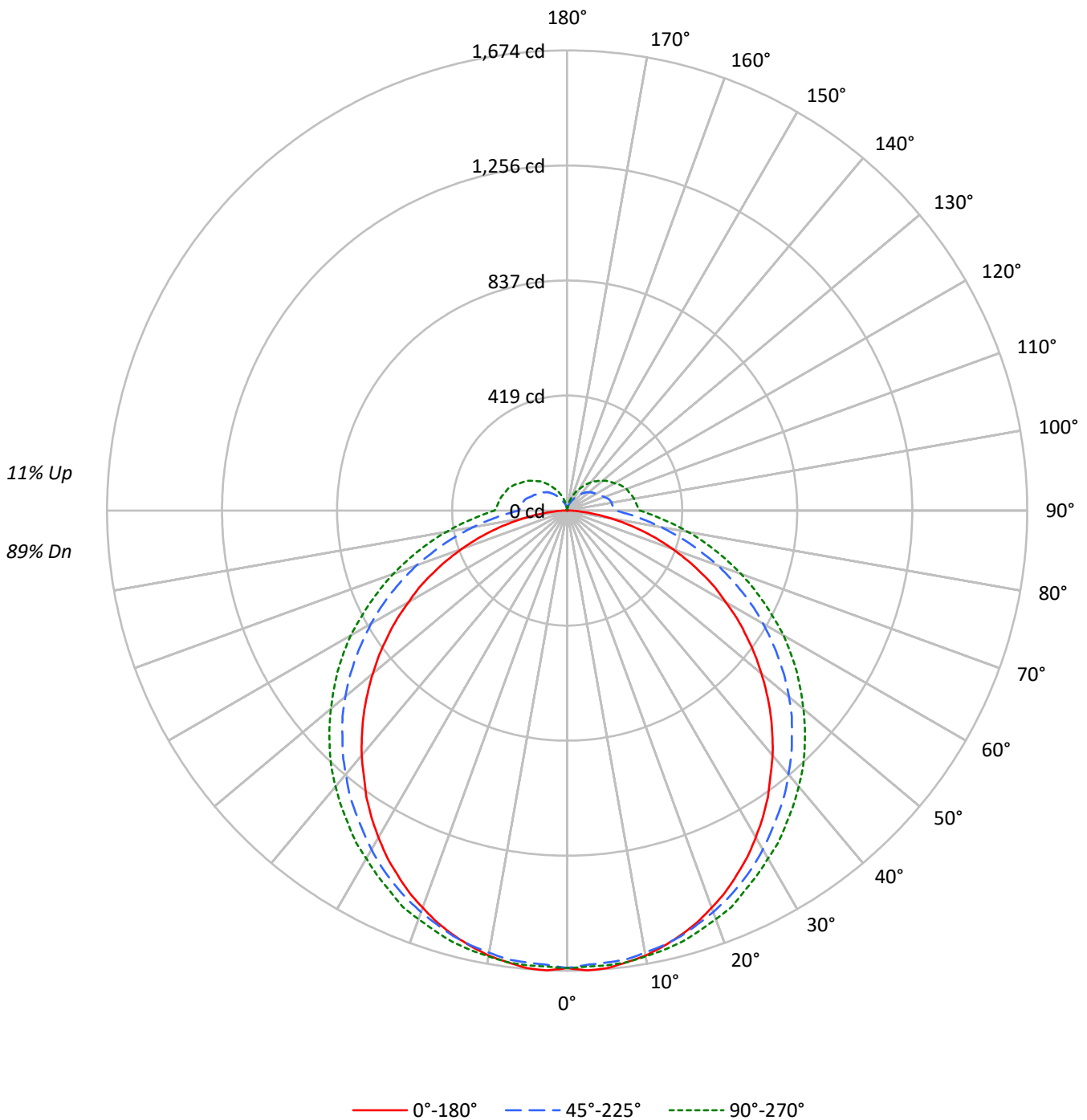
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5923.9 lumens
Efficiency: N/A
Efficacy: 141.0 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°	17912	17912	17912
5°	17989	17083	16954
10°	17832	16402	16107
15°	17621	15743	15344
20°	17344	15059	14580
25°	17028	14402	13833
30°	16657	13728	13117
35°	16252	13051	12449
40°	15791	12389	11810
45°	15293	11728	11156
50°	14725	11045	10470
55°	14099	10285	9796
60°	13364	9493	9084
65°	12595	8637	8272
70°	11530	7726	7474
75°	10124	6664	6627
80°	7912	5592	5783
85°	5170	4600	4916



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.1	2.7
10°-20°	454.3	7.7
20°-30°	690.8	11.7
30°-40°	838.5	14.2
40°-50°	886.1	15.0
50°-60°	829.2	14.0
60°-70°	680.3	11.5
70°-80°	467.9	7.9
80°-90°	256.3	4.3
90°-100°	165.0	2.8
100°-110°	148.1	2.5
110°-120°	122.5	2.1
120°-130°	94.4	1.6
130°-140°	66.3	1.1
140°-150°	40.0	0.7
150°-160°	19.1	0.3
160°-170°	6.3	0.1
170°-180°	0.7	0.0
0°-30°	1303.1	22.0
0°-40°	2141.7	36.2
0°-60°	3856.9	65.1
0°-90°	5261.5	88.8
90°-120°	435.7	7.4
90°-150°	636.3	10.7
90°-180°	662.0	11.2
0°-180°	5923.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1664	1664	1664	1664	1664	
5°	1671	1668	1650	1664	1661	158
15°	1599	1606	1602	1623	1623	451
25°	1462	1479	1496	1527	1527	674
35°	1273	1304	1342	1379	1390	795
45°	1046	1094	1156	1208	1222	807
55°	796	861	940	998	1019	712
65°	539	611	703	769	789	533
75°	281	357	460	532	556	296
85°	62	148	250	319	343	71
90°	0	82	175	240	264	4
95°	0	79	168	230	254	0
105°	0	65	158	216	237	2
115°	3	58	134	192	216	3
125°	3	48	113	165	185	3
135°	3	38	93	134	151	3
145°	3	27	65	103	113	2
155°	3	17	41	65	76	2
165°	3	10	21	31	38	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°	1664.1	1664.1	1664.1	1664.1	1664.1
2.5°	1674.4	1670.9	1653.8	1667.5	1660.6
5°	1670.9	1667.5	1650.3	1664.1	1660.6
7.5°	1657.2	1657.2	1646.9	1660.6	1657.2
10°	1643.5	1643.5	1633.2	1650.3	1646.9
12.5°	1622.9	1626.3	1619.5	1640.0	1636.6
15°	1598.9	1605.7	1602.3	1622.9	1622.9
17.5°	1571.4	1578.3	1578.3	1602.3	1602.3
20°	1537.1	1547.4	1554.3	1581.7	1581.7
22.5°	1502.8	1516.5	1526.8	1550.8	1561.1
25°	1461.6	1478.8	1495.9	1526.8	1526.8
27.5°	1420.5	1441.0	1461.6	1492.5	1495.9
30°	1372.4	1396.4	1423.9	1454.8	1461.6
32.5°	1324.4	1355.3	1382.7	1420.5	1430.8
35°	1272.9	1303.8	1341.5	1379.3	1389.6
37.5°	1214.6	1252.3	1300.4	1341.5	1351.8
40°	1163.1	1204.3	1252.3	1300.4	1310.7
42.5°	1104.8	1149.4	1207.7	1252.3	1269.5
45°	1046.5	1094.5	1156.3	1207.7	1221.5
47.5°	984.7	1039.6	1108.2	1156.3	1173.4
50°	923.0	981.3	1053.3	1108.2	1122.0
52.5°	861.2	923.0	998.4	1053.3	1070.5
55°	796.0	861.2	940.1	998.4	1019.0
57.5°	734.2	799.4	881.8	943.5	964.1
60°	665.6	741.1	823.5	885.2	909.2
62.5°	607.3	675.9	765.1	826.9	847.5
65°	538.7	610.7	703.4	768.6	789.1
67.5°	473.5	549.0	641.6	710.2	730.8
70°	408.3	483.8	583.3	648.5	672.5
72.5°	343.1	422.0	518.1	590.1	614.2
75°	281.3	356.8	459.8	531.8	555.8
77.5°	216.2	298.5	401.4	473.5	500.9
80°	157.8	243.6	346.5	418.6	446.0
82.5°	106.4	192.1	295.1	367.1	394.6
85°	61.8	147.5	250.5	319.1	343.1
87.5°	30.9	113.2	209.3	277.9	301.9
90°	0.0	82.3	175.0	240.2	264.2
92.5°	0.0	78.9	171.6	233.3	257.3
95°	0.0	78.9	168.1	229.9	253.9
97.5°	0.0	75.5	164.7	229.9	250.5
100°	0.0	72.1	164.7	226.5	247.0
102.5°	0.0	68.6	161.3	223.0	243.6
105°	0.0	65.2	157.8	216.2	236.7
107.5°	3.4	65.2	151.0	212.7	233.3
110°	3.4	61.8	144.1	209.3	229.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	58.3	137.2	202.4	223.0
115°	3.4	58.3	133.8	192.1	216.2
117.5°	3.4	54.9	126.9	185.3	209.3
120°	3.4	54.9	123.5	178.4	199.0
122.5°	3.4	51.5	116.7	171.6	192.1
125°	3.4	48.0	113.2	164.7	185.3
127.5°	3.4	44.6	109.8	157.8	178.4
130°	3.4	41.2	102.9	151.0	168.1
132.5°	3.4	41.2	99.5	140.7	161.3
135°	3.4	37.7	92.6	133.8	151.0
137.5°	3.4	34.3	85.8	126.9	144.1
140°	3.4	30.9	78.9	120.1	133.8
142.5°	3.4	30.9	72.1	109.8	123.5
145°	3.4	27.4	65.2	102.9	113.2
147.5°	3.4	24.0	58.3	92.6	102.9
150°	3.4	24.0	51.5	82.3	92.6
152.5°	3.4	20.6	44.6	75.5	85.8
155°	3.4	17.2	41.2	65.2	75.5
157.5°	3.4	17.2	34.3	54.9	65.2
160°	3.4	13.7	30.9	44.6	54.9
162.5°	3.4	13.7	27.4	37.7	48.0
165°	3.4	10.3	20.6	30.9	37.7
167.5°	3.4	10.3	17.2	24.0	30.9
170°	3.4	6.9	13.7	17.2	24.0
172.5°	3.4	6.9	10.3	10.3	10.3
175°	3.4	3.4	6.9	6.9	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)