

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: P566625

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566625
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-60SL-LC-UNV-L850-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

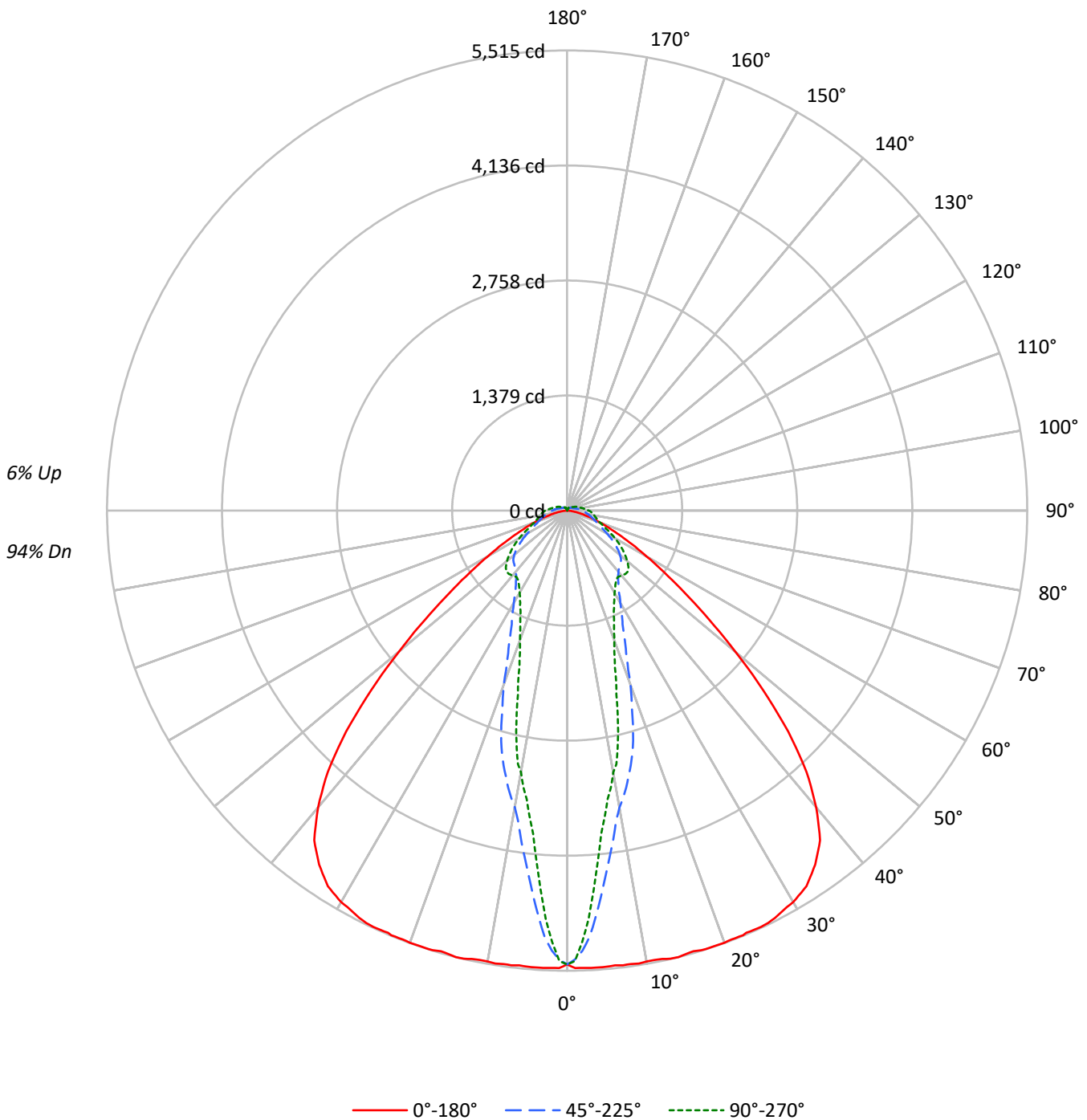
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6705.0 lumens
Efficiency: N/A
Efficacy: 159.6 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: 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	118	118	118	118	114	114	114	114	108	108	108		102	102	102		96	96	96	94
1	108	103	99	96	105	101	97	94	95	92	90		90	88	86		86	84	82	80
2	99	92	86	80	96	89	84	79	85	80	76		81	77	74		77	74	71	69
3	92	82	75	69	89	80	73	68	76	71	66		73	68	64		70	66	62	60
4	85	74	66	60	82	72	65	59	69	63	58		66	61	56		63	59	55	53
5	79	67	59	53	76	66	58	52	63	56	51		60	55	50		58	53	49	47
6	73	61	53	47	71	60	52	47	58	51	46		56	50	45		53	48	44	42
7	69	56	48	43	67	55	48	42	53	46	42		51	45	41		50	44	40	38
8	64	52	44	39	63	51	44	39	49	43	38		48	42	37		46	41	37	35
9	61	48	41	36	59	47	40	35	46	39	35		44	39	34		43	38	34	32
10	57	45	38	33	56	44	37	33	43	37	32		42	36	32		40	35	31	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	58549	58549	58549
5°	59077	48090	43045
10°	59541	36303	31153
15°	60628	29675	21572
20°	62191	21473	15235
25°	64131	15384	11986
30°	65769	12290	10208
35°	66159	10396	9142
40°	63073	9450	9165
45°	54734	9131	9415
50°	41991	8684	8786
55°	30432	7594	7795
60°	22079	6338	6591
65°	16067	5359	5403
70°	11838	4734	4659
75°	8411	4383	4342
80°	5515	4104	4277
85°	2585	3912	4282



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.8	6.4
10°-20°	928.9	13.9
20°-30°	1063.3	15.9
30°-40°	1065.2	15.9
40°-50°	1008.3	15.0
50°-60°	773.3	11.5
60°-70°	498.5	7.4
70°-80°	317.9	4.7
80°-90°	211.1	3.1
90°-100°	141.9	2.1
100°-110°	93.5	1.4
110°-120°	65.0	1.0
120°-130°	45.4	0.7
130°-140°	31.5	0.5
140°-150°	19.3	0.3
150°-160°	9.8	0.1
160°-170°	3.8	0.1
170°-180°	0.7	0.0
0°-30°	2420.0	36.1
0°-40°	3485.1	52.0
0°-60°	5266.8	78.6
0°-90°	6294.2	93.9
90°-120°	300.4	4.5
90°-150°	396.5	5.9
90°-180°	411.0	6.1
0°-180°	6705.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5439	5439	5439	5439	5439	
5°	5488	5185	4646	4333	4216	524
15°	5501	3962	3020	2481	2282	1560
25°	5505	2804	1598	1388	1323	2538
35°	5182	1560	1069	1034	1020	3215
45°	3745	986	900	996	1031	2848
55°	1718	704	694	780	811	1580
65°	687	443	436	498	515	707
75°	234	240	302	347	364	257
85°	31	110	213	278	299	42
90°	0	76	179	247	258	1
95°	0	55	148	203	213	0
105°	0	41	96	137	148	2
115°	3	34	72	100	106	3
125°	3	31	62	72	76	3
135°	3	24	48	58	62	3
145°	3	17	34	45	48	2
155°	3	10	21	31	34	2
165°	7	7	14	17	21	2
175°	7	7	7	7	3	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5439.4	5439.4	5439.4	5439.4	5439.4
1°	5484.1	5453.2	5381.0	5401.6	5398.2
2°	5484.1	5418.8	5277.9	5236.7	5174.8
3°	5487.5	5360.4	5119.9	4985.8	4899.9
4°	5487.5	5274.5	4886.2	4662.9	4552.9
5°	5487.5	5185.1	4645.7	4333.0	4216.2
6°	5480.7	5078.6	4401.7	4071.8	3896.6
7°	5491.0	4961.8	4181.8	3827.9	3690.4
8°	5487.5	4824.4	3979.1	3642.3	3491.1
9°	5497.8	4690.3	3759.1	3467.1	3353.7
10°	5487.5	4566.6	3614.8	3302.1	3185.3
11°	5487.5	4446.4	3511.7	3195.6	3096.0
12°	5494.4	4308.9	3398.3	3044.4	2907.0
13°	5511.6	4168.0	3267.8	2879.5	2718.0
14°	5515.0	4061.5	3147.5	2669.9	2501.5
15°	5501.3	3961.9	3020.4	2480.9	2281.6
16°	5494.4	3858.8	2869.2	2302.2	2123.5
17°	5508.1	3738.5	2697.4	2120.1	1955.2
18°	5511.6	3628.6	2515.3	1982.7	1838.3
19°	5511.6	3542.7	2367.5	1855.5	1731.8
20°	5511.6	3460.2	2216.3	1759.3	1652.8
21°	5504.7	3357.1	2044.5	1659.7	1570.3
22.5°	5508.1	3164.7	1848.6	1542.8	1470.7
23°	5497.8	3116.6	1800.5	1511.9	1436.3
24°	5501.3	2979.1	1697.5	1450.1	1377.9
25°	5504.7	2803.9	1597.8	1388.2	1322.9
26°	5497.8	2663.0	1515.3	1329.8	1285.1
27°	5480.7	2549.6	1456.9	1281.7	1240.4
28°	5456.6	2398.4	1395.1	1240.4	1202.7
29°	5432.5	2226.6	1333.2	1195.8	1168.3
30°	5418.8	2089.2	1274.8	1161.4	1137.4
32.5°	5336.3	1817.7	1154.5	1092.7	1072.1
35°	5181.7	1560.0	1068.6	1034.3	1020.5
37.5°	4979.0	1360.7	1003.4	996.5	999.9
40°	4645.7	1202.7	955.2	986.2	1017.1
42.5°	4247.1	1079.0	920.9	996.5	1030.8
45°	3745.4	986.2	900.3	996.5	1030.8
47.5°	3188.7	910.6	876.2	962.1	996.5
50°	2632.1	841.9	828.1	910.6	941.5
52.5°	2140.7	776.6	766.3	845.3	876.2
55°	1718.1	704.4	694.1	780.0	810.9
57.5°	1377.9	635.7	625.4	704.4	735.3
60°	1099.6	567.0	549.8	628.8	659.7
62.5°	876.2	501.7	491.4	560.1	587.6
65°	687.2	443.3	436.4	498.2	515.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	542.9	388.3	391.7	443.3	463.9
70°	419.2	336.7	357.4	405.5	419.2
72.5°	316.1	285.2	329.9	371.1	388.3
75°	233.7	240.5	302.4	347.1	364.2
77.5°	161.5	199.3	278.3	326.4	343.6
80°	110.0	161.5	254.3	309.3	329.9
82.5°	65.3	134.0	233.7	292.1	316.1
85°	30.9	110.0	213.0	278.3	298.9
87.5°	10.3	89.3	192.4	264.6	281.8
90°	0.0	75.6	178.7	247.4	257.7
92.5°	0.0	65.3	161.5	226.8	233.7
95°	0.0	55.0	147.8	202.7	213.0
97.5°	0.0	51.5	137.4	182.1	195.9
100°	0.0	48.1	123.7	164.9	178.7
102.5°	0.0	41.2	110.0	147.8	161.5
105°	0.0	41.2	96.2	137.4	147.8
107.5°	3.4	37.8	89.3	123.7	137.4
110°	3.4	37.8	79.0	116.8	127.1
112.5°	3.4	37.8	75.6	106.5	120.3
115°	3.4	34.4	72.2	99.6	106.5
117.5°	3.4	34.4	68.7	89.3	96.2
120°	3.4	30.9	65.3	82.5	85.9
122.5°	3.4	30.9	61.9	75.6	79.0
125°	3.4	30.9	61.9	72.2	75.6
127.5°	3.4	27.5	58.4	68.7	68.7
130°	3.4	27.5	55.0	65.3	65.3
132.5°	3.4	24.1	51.5	61.9	65.3
135°	3.4	24.1	48.1	58.4	61.9
137.5°	3.4	20.6	44.7	55.0	58.4
140°	3.4	20.6	41.2	51.5	55.0
142.5°	3.4	17.2	37.8	48.1	51.5
145°	3.4	17.2	34.4	44.7	48.1
147.5°	3.4	17.2	30.9	41.2	44.7
150°	3.4	13.7	27.5	37.8	41.2
152.5°	3.4	13.7	24.1	34.4	37.8
155°	3.4	10.3	20.6	30.9	34.4
157.5°	3.4	10.3	20.6	27.5	30.9
160°	6.9	10.3	17.2	24.1	27.5
162.5°	3.4	6.9	17.2	20.6	24.1
165°	6.9	6.9	13.7	17.2	20.6
167.5°	6.9	6.9	10.3	13.7	17.2
170°	6.9	6.9	10.3	10.3	13.7
172.5°	6.9	6.9	6.9	10.3	6.9
175°	6.9	6.9	6.9	6.9	3.4
177.5°	6.9	6.9	6.9	6.9	3.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.9	6.9	6.9	6.9	6.9

(END OF REPORT)