

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: P566629

Luminaire Tested: **4SNX-60SL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566629
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-L950-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

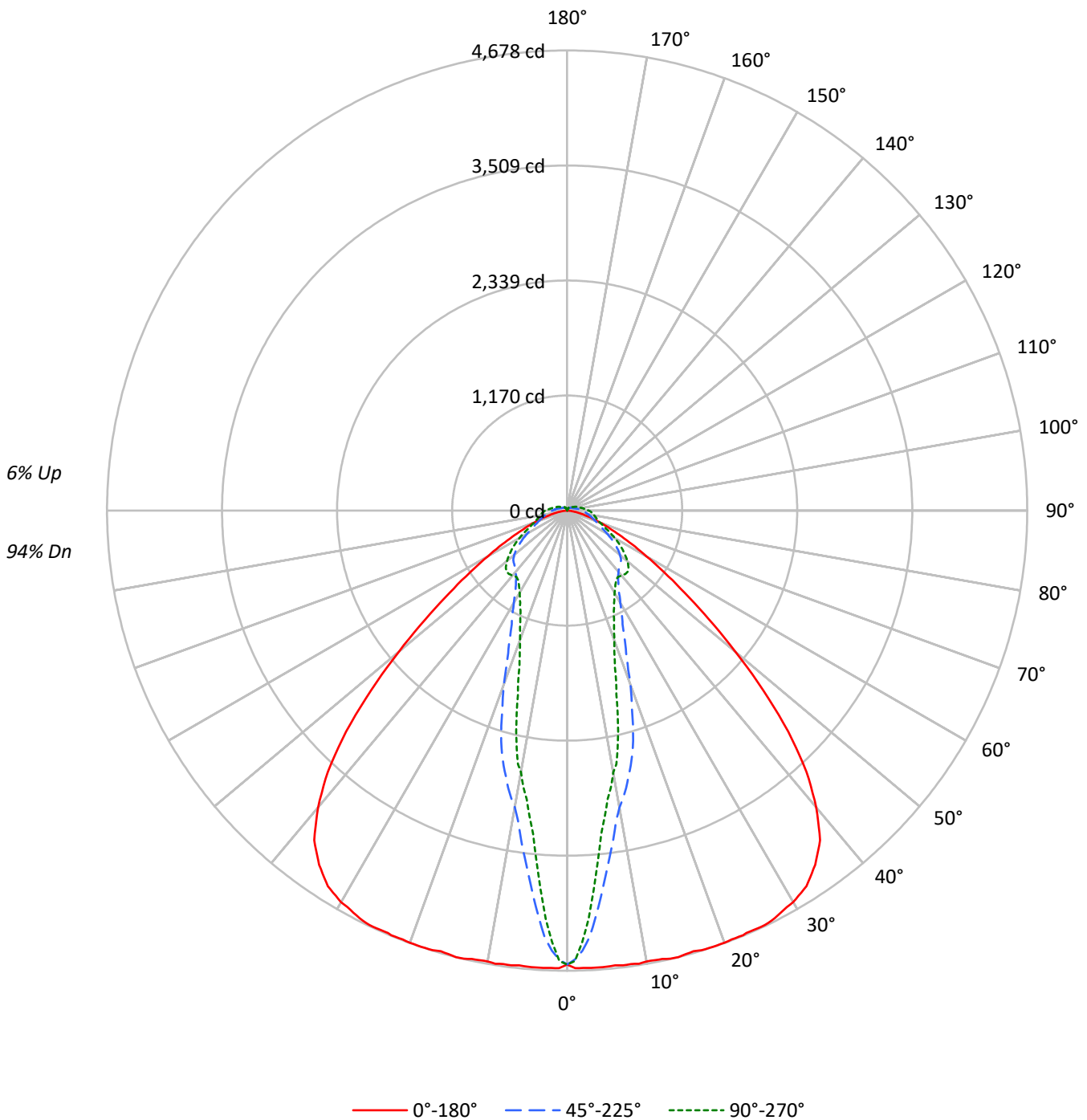
Lumens per Lamp: N/A
Luminaire Lumens: 5688.0 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

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	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°	49669	49669	49669
5°	50117	40795	36516
10°	50510	30797	26428
15°	51432	25174	18300
20°	52758	18215	12925
25°	54405	13051	10168
30°	55793	10427	8660
35°	56125	8820	7755
40°	53505	8018	7774
45°	46432	7746	7987
50°	35623	7367	7453
55°	25816	6442	6613
60°	18729	5376	5592
65°	13631	4546	4583
70°	10042	4016	3952
75°	7134	3718	3684
80°	4678	3481	3628
85°	2192	3318	3633



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.9	6.4
10°-20°	788.0	13.9
20°-30°	902.0	15.9
30°-40°	903.6	15.9
40°-50°	855.4	15.0
50°-60°	656.0	11.5
60°-70°	422.8	7.4
70°-80°	269.6	4.7
80°-90°	179.1	3.1
90°-100°	120.4	2.1
100°-110°	79.3	1.4
110°-120°	55.2	1.0
120°-130°	38.5	0.7
130°-140°	26.7	0.5
140°-150°	16.4	0.3
150°-160°	8.3	0.1
160°-170°	3.2	0.1
170°-180°	0.6	0.0
0°-30°	2052.9	36.1
0°-40°	2956.5	52.0
0°-60°	4467.9	78.6
0°-90°	5339.5	93.9
90°-120°	254.8	4.5
90°-150°	336.4	5.9
90°-180°	348.0	6.1
0°-180°	5688.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4614	4614	4614	4614	4614	
5°	4655	4399	3941	3676	3577	444
15°	4667	3361	2562	2105	1936	1324
25°	4670	2379	1356	1178	1122	2153
35°	4396	1323	907	877	866	2727
45°	3177	837	764	845	874	2416
55°	1458	598	589	662	688	1340
65°	583	376	370	423	437	600
75°	198	204	256	294	309	218
85°	26	93	181	236	254	36
90°	0	64	152	210	219	1
95°	0	47	125	172	181	0
105°	0	35	82	117	125	2
115°	3	29	61	84	90	3
125°	3	26	52	61	64	3
135°	3	20	41	50	52	2
145°	3	15	29	38	41	2
155°	3	9	18	26	29	1
165°	6	6	12	15	18	1
175°	6	6	6	6	3	1
180°	6	6	6	6	6	



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CATALOG NUMBER: 4SNX-60SL-LC-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4614.4	4614.4	4614.4	4614.4	4614.4
1°	4652.3	4626.0	4564.8	4582.3	4579.4
2°	4652.3	4596.9	4477.4	4442.4	4389.9
3°	4655.2	4547.3	4343.3	4229.6	4156.7
4°	4655.2	4474.5	4145.1	3955.6	3862.3
5°	4655.2	4398.7	3941.0	3675.8	3576.7
6°	4649.4	4308.3	3734.1	3454.2	3305.6
7°	4658.1	4209.2	3547.5	3247.3	3130.7
8°	4655.2	4092.6	3375.5	3089.9	2961.6
9°	4663.9	3978.9	3189.0	2941.2	2845.0
10°	4655.2	3874.0	3066.5	2801.3	2702.2
11°	4655.2	3772.0	2979.1	2710.9	2626.4
12°	4661.0	3655.4	2882.9	2582.7	2466.1
13°	4675.6	3535.8	2772.1	2442.7	2305.7
14°	4678.5	3445.5	2670.1	2264.9	2122.1
15°	4666.9	3360.9	2562.2	2104.6	1935.5
16°	4661.0	3273.5	2434.0	1953.0	1801.4
17°	4672.7	3171.5	2288.2	1798.5	1658.6
18°	4675.6	3078.2	2133.8	1681.9	1559.5
19°	4675.6	3005.3	2008.4	1574.1	1469.1
20°	4675.6	2935.4	1880.1	1492.5	1402.1
21°	4669.8	2847.9	1734.4	1407.9	1332.1
22.5°	4672.7	2684.7	1568.2	1308.8	1247.6
23°	4663.9	2643.9	1527.4	1282.6	1218.5
24°	4666.9	2527.3	1440.0	1230.1	1168.9
25°	4669.8	2378.6	1355.5	1177.6	1122.3
26°	4663.9	2259.1	1285.5	1128.1	1090.2
27°	4649.4	2162.9	1235.9	1087.3	1052.3
28°	4629.0	2034.6	1183.5	1052.3	1020.2
29°	4608.6	1888.9	1131.0	1014.4	991.1
30°	4596.9	1772.3	1081.5	985.3	964.9
32.5°	4526.9	1542.0	979.4	927.0	909.5
35°	4395.8	1323.4	906.6	877.4	865.7
37.5°	4223.8	1154.3	851.2	845.3	848.3
40°	3941.0	1020.2	810.4	836.6	862.8
42.5°	3602.9	915.3	781.2	845.3	874.5
45°	3177.3	836.6	763.7	845.3	874.5
47.5°	2705.1	772.5	743.3	816.2	845.3
50°	2232.9	714.2	702.5	772.5	798.7
52.5°	1816.0	658.8	650.0	717.1	743.3
55°	1457.5	597.6	588.8	661.7	687.9
57.5°	1168.9	539.3	530.5	597.6	623.8
60°	932.8	481.0	466.4	533.4	559.7
62.5°	743.3	425.6	416.8	475.1	498.5
65°	583.0	376.0	370.2	422.7	437.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	460.6	329.4	332.3	376.0	393.5
70°	355.6	285.7	303.2	344.0	355.6
72.5°	268.2	241.9	279.8	314.8	329.4
75°	198.2	204.0	256.5	294.4	309.0
77.5°	137.0	169.1	236.1	276.9	291.5
80°	93.3	137.0	215.7	262.3	279.8
82.5°	55.4	113.7	198.2	247.8	268.2
85°	26.2	93.3	180.7	236.1	253.6
87.5°	8.7	75.8	163.2	224.5	239.0
90°	0.0	64.1	151.6	209.9	218.6
92.5°	0.0	55.4	137.0	192.4	198.2
95°	0.0	46.6	125.3	172.0	180.7
97.5°	0.0	43.7	116.6	154.5	166.2
100°	0.0	40.8	104.9	139.9	151.6
102.5°	0.0	35.0	93.3	125.3	137.0
105°	0.0	35.0	81.6	116.6	125.3
107.5°	2.9	32.1	75.8	104.9	116.6
110°	2.9	32.1	67.0	99.1	107.9
112.5°	2.9	32.1	64.1	90.4	102.0
115°	2.9	29.1	61.2	84.5	90.4
117.5°	2.9	29.1	58.3	75.8	81.6
120°	2.9	26.2	55.4	70.0	72.9
122.5°	2.9	26.2	52.5	64.1	67.0
125°	2.9	26.2	52.5	61.2	64.1
127.5°	2.9	23.3	49.6	58.3	58.3
130°	2.9	23.3	46.6	55.4	55.4
132.5°	2.9	20.4	43.7	52.5	55.4
135°	2.9	20.4	40.8	49.6	52.5
137.5°	2.9	17.5	37.9	46.6	49.6
140°	2.9	17.5	35.0	43.7	46.6
142.5°	2.9	14.6	32.1	40.8	43.7
145°	2.9	14.6	29.1	37.9	40.8
147.5°	2.9	14.6	26.2	35.0	37.9
150°	2.9	11.7	23.3	32.1	35.0
152.5°	2.9	11.7	20.4	29.1	32.1
155°	2.9	8.7	17.5	26.2	29.1
157.5°	2.9	8.7	17.5	23.3	26.2
160°	5.8	8.7	14.6	20.4	23.3
162.5°	2.9	5.8	14.6	17.5	20.4
165°	5.8	5.8	11.7	14.6	17.5
167.5°	5.8	5.8	8.7	11.7	14.6
170°	5.8	5.8	8.7	8.7	11.7
172.5°	5.8	5.8	5.8	8.7	5.8
175°	5.8	5.8	5.8	5.8	2.9
177.5°	5.8	5.8	5.8	5.8	2.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.8	5.8	5.8	5.8	5.8

(END OF REPORT)