

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: P566628

Luminaire Tested: **4SNX-60SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566628
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-L940-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

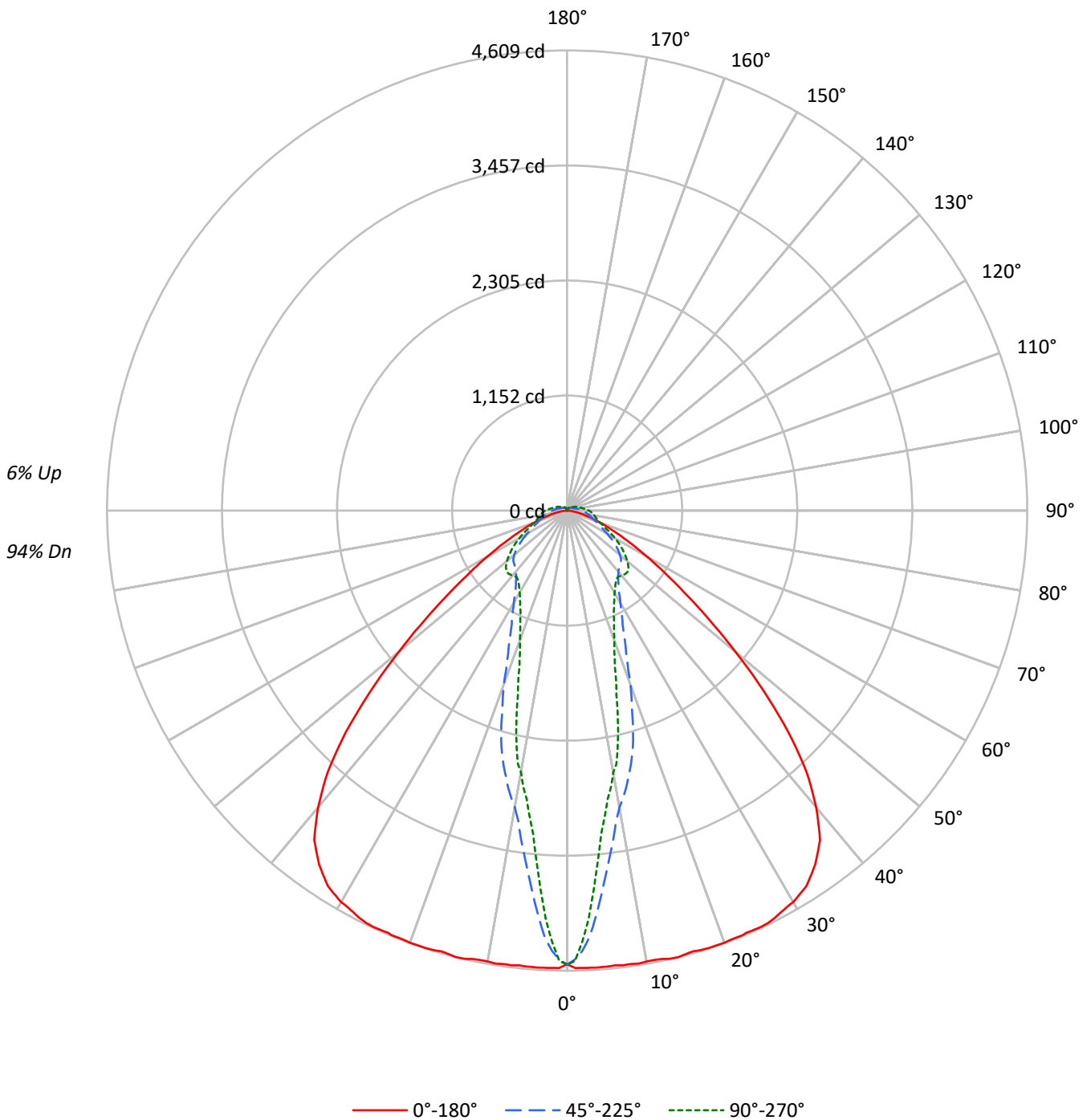
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5603.0 lumens
Efficiency: N/A
Efficacy: 133.4 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	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°	48926	48926	48926
5°	49368	40185	35970
10°	49755	30337	26033
15°	50663	24798	18026
20°	51969	17944	12731
25°	53591	12855	10016
30°	54959	10271	8530
35°	55286	8687	7640
40°	52706	7897	7658
45°	45738	7630	7868
50°	35090	7256	7342
55°	25430	6345	6515
60°	18448	5296	5508
65°	13427	4478	4515
70°	9892	3955	3893
75°	7029	3663	3629
80°	4608	3430	3575
85°	2158	3269	3579



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.5	6.4
10°-20°	776.2	13.9
20°-30°	888.5	15.9
30°-40°	890.1	15.9
40°-50°	842.6	15.0
50°-60°	646.2	11.5
60°-70°	416.5	7.4
70°-80°	265.6	4.7
80°-90°	176.4	3.1
90°-100°	118.6	2.1
100°-110°	78.1	1.4
110°-120°	54.3	1.0
120°-130°	37.9	0.7
130°-140°	26.3	0.5
140°-150°	16.1	0.3
150°-160°	8.2	0.1
160°-170°	3.1	0.1
170°-180°	0.6	0.0
0°-30°	2022.2	36.1
0°-40°	2912.3	52.0
0°-60°	4401.2	78.5
0°-90°	5259.7	93.9
90°-120°	251.1	4.5
90°-150°	331.4	5.9
90°-180°	343.0	6.1
0°-180°	5603.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4545	4545	4545	4545	4545	
5°	4586	4333	3882	3621	3523	438
15°	4597	3311	2524	2073	1907	1304
25°	4600	2343	1335	1160	1106	2121
35°	4330	1304	893	864	853	2687
45°	3130	824	752	833	861	2380
55°	1436	589	580	652	678	1320
65°	574	370	365	416	431	591
75°	195	201	253	290	304	215
85°	26	92	178	233	250	36
90°	0	63	149	207	215	1
95°	0	46	124	169	178	0
105°	0	34	80	115	124	2
115°	3	29	60	83	89	3
125°	3	26	52	60	63	3
135°	3	20	40	49	52	2
145°	3	14	29	37	40	2
155°	3	9	17	26	29	1
165°	6	6	12	14	17	1
175°	6	6	6	6	3	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4545.4	4545.4	4545.4	4545.4	4545.4
1°	4582.8	4556.9	4496.6	4513.8	4511.0
2°	4582.8	4528.2	4410.5	4376.0	4324.3
3°	4585.6	4479.4	4278.4	4166.4	4094.6
4°	4585.6	4407.6	4083.1	3896.5	3804.6
5°	4585.6	4332.9	3882.1	3620.8	3523.2
6°	4579.9	4243.9	3678.3	3402.6	3256.2
7°	4588.5	4146.3	3494.5	3198.7	3083.9
8°	4585.6	4031.4	3325.1	3043.7	2917.3
9°	4594.2	3919.5	3141.3	2897.2	2802.5
10°	4585.6	3816.1	3020.7	2759.4	2661.8
11°	4585.6	3715.6	2934.6	2670.4	2587.1
12°	4591.4	3600.7	2839.8	2544.1	2429.2
13°	4605.7	3483.0	2730.7	2406.2	2271.3
14°	4608.6	3394.0	2630.2	2231.1	2090.4
15°	4597.1	3310.7	2524.0	2073.2	1906.6
16°	4591.4	3224.6	2397.6	1923.8	1774.5
17°	4602.9	3124.1	2254.0	1771.7	1633.8
18°	4605.7	3032.2	2101.9	1656.8	1536.2
19°	4605.7	2960.4	1978.4	1550.6	1447.2
20°	4605.7	2891.5	1852.1	1470.2	1381.1
21°	4600.0	2805.4	1708.5	1386.9	1312.2
22.5°	4602.9	2644.6	1544.8	1289.3	1229.0
23°	4594.2	2604.4	1504.6	1263.4	1200.2
24°	4597.1	2489.5	1418.5	1211.7	1151.4
25°	4600.0	2343.1	1335.2	1160.0	1105.5
26°	4594.2	2225.3	1266.3	1111.2	1073.9
27°	4579.9	2130.6	1217.5	1071.0	1036.6
28°	4559.8	2004.2	1165.8	1036.6	1005.0
29°	4539.7	1860.7	1114.1	999.2	976.3
30°	4528.2	1745.8	1065.3	970.5	950.4
32.5°	4459.3	1519.0	964.8	913.1	895.9
35°	4330.1	1303.6	893.0	864.3	852.8
37.5°	4160.7	1137.1	838.4	832.7	835.6
40°	3882.1	1005.0	798.2	824.1	849.9
42.5°	3549.0	901.6	769.5	832.7	861.4
45°	3129.8	824.1	752.3	832.7	861.4
47.5°	2664.7	760.9	732.2	804.0	832.7
50°	2199.5	703.5	692.0	760.9	786.8
52.5°	1788.9	648.9	640.3	706.4	732.2
55°	1435.7	588.6	580.0	651.8	677.7
57.5°	1151.4	531.2	522.6	588.6	614.5
60°	918.8	473.8	459.4	525.5	551.3
62.5°	732.2	419.2	410.6	468.0	491.0
65°	574.3	370.4	364.7	416.4	430.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	453.7	324.5	327.3	370.4	387.6
70°	350.3	281.4	298.6	338.8	350.3
72.5°	264.2	238.3	275.7	310.1	324.5
75°	195.3	201.0	252.7	290.0	304.4
77.5°	135.0	166.5	232.6	272.8	287.1
80°	91.9	135.0	212.5	258.4	275.7
82.5°	54.6	112.0	195.3	244.1	264.2
85°	25.8	91.9	178.0	232.6	249.8
87.5°	8.6	74.7	160.8	221.1	235.5
90°	0.0	63.2	149.3	206.7	215.4
92.5°	0.0	54.6	135.0	189.5	195.3
95°	0.0	45.9	123.5	169.4	178.0
97.5°	0.0	43.1	114.9	152.2	163.7
100°	0.0	40.2	103.4	137.8	149.3
102.5°	0.0	34.5	91.9	123.5	135.0
105°	0.0	34.5	80.4	114.9	123.5
107.5°	2.9	31.6	74.7	103.4	114.9
110°	2.9	31.6	66.0	97.6	106.2
112.5°	2.9	31.6	63.2	89.0	100.5
115°	2.9	28.7	60.3	83.3	89.0
117.5°	2.9	28.7	57.4	74.7	80.4
120°	2.9	25.8	54.6	68.9	71.8
122.5°	2.9	25.8	51.7	63.2	66.0
125°	2.9	25.8	51.7	60.3	63.2
127.5°	2.9	23.0	48.8	57.4	57.4
130°	2.9	23.0	45.9	54.6	54.6
132.5°	2.9	20.1	43.1	51.7	54.6
135°	2.9	20.1	40.2	48.8	51.7
137.5°	2.9	17.2	37.3	45.9	48.8
140°	2.9	17.2	34.5	43.1	45.9
142.5°	2.9	14.4	31.6	40.2	43.1
145°	2.9	14.4	28.7	37.3	40.2
147.5°	2.9	14.4	25.8	34.5	37.3
150°	2.9	11.5	23.0	31.6	34.5
152.5°	2.9	11.5	20.1	28.7	31.6
155°	2.9	8.6	17.2	25.8	28.7
157.5°	2.9	8.6	17.2	23.0	25.8
160°	5.7	8.6	14.4	20.1	23.0
162.5°	2.9	5.7	14.4	17.2	20.1
165°	5.7	5.7	11.5	14.4	17.2
167.5°	5.7	5.7	8.6	11.5	14.4
170°	5.7	5.7	8.6	8.6	11.5
172.5°	5.7	5.7	5.7	8.6	5.7
175°	5.7	5.7	5.7	5.7	2.9
177.5°	5.7	5.7	5.7	5.7	2.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.7	5.7	5.7	5.7	5.7

(END OF REPORT)