

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: P566627

Luminaire Tested: **4SNX-60SL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566627
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-L935-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

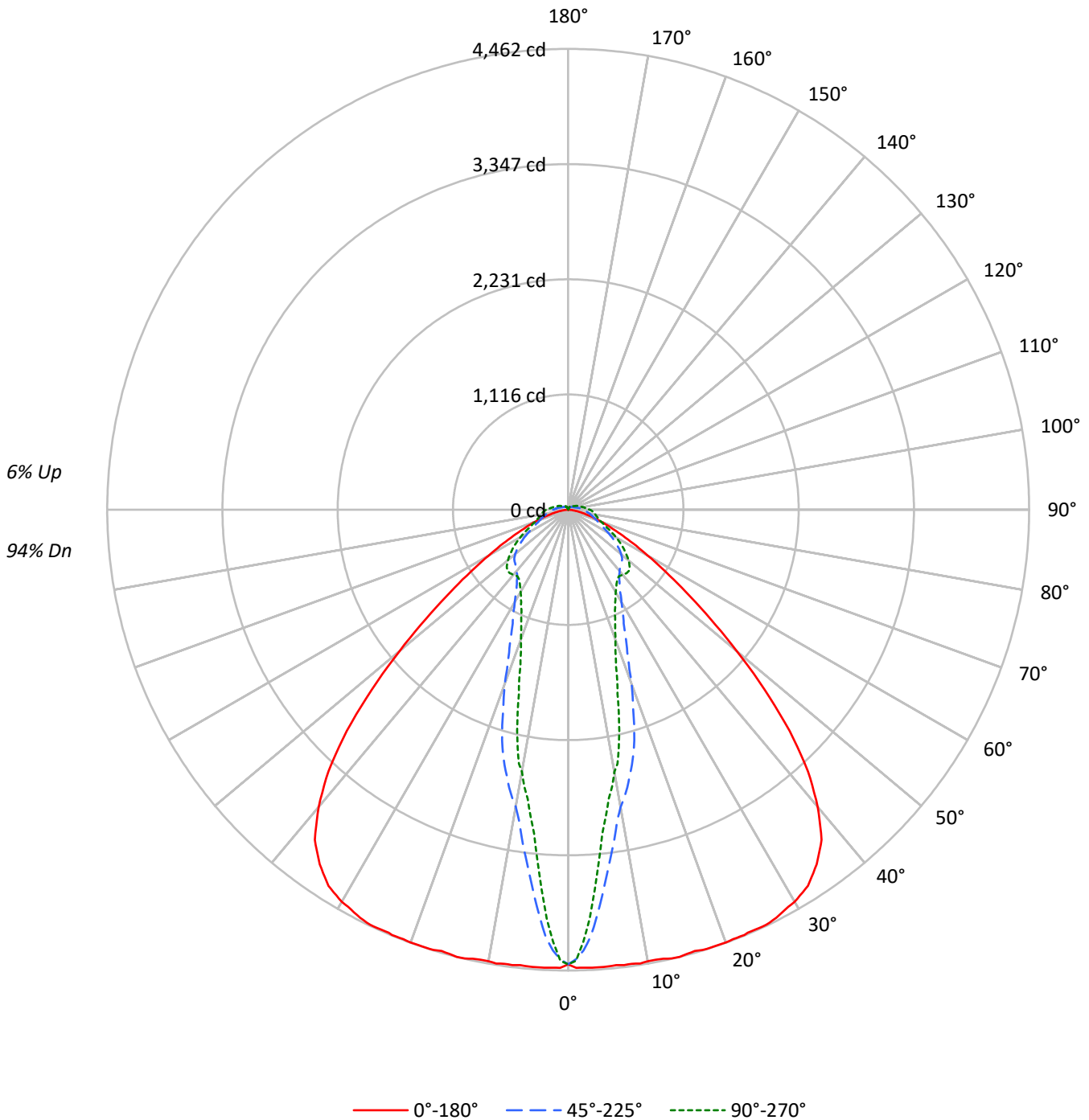
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5425.0 lumens
Efficiency: N/A
Efficacy: 129.2 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°	47372	47372	47372
5°	47799	38909	34828
10°	48174	29373	25206
15°	49054	24010	17453
20°	50318	17373	12327
25°	51888	12447	9698
30°	53213	9944	8258
35°	53529	8411	7397
40°	51032	7647	7415
45°	44285	7388	7618
50°	33975	7026	7109
55°	24622	6144	6307
60°	17864	5127	5333
65°	13000	4336	4371
70°	9579	3829	3770
75°	6806	3547	3514
80°	4462	3320	3460
85°	2091	3166	3466



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.1	6.4
10°-20°	751.6	13.9
20°-30°	860.3	15.9
30°-40°	861.8	15.9
40°-50°	815.8	15.0
50°-60°	625.7	11.5
60°-70°	403.3	7.4
70°-80°	257.2	4.7
80°-90°	170.8	3.1
90°-100°	114.8	2.1
100°-110°	75.6	1.4
110°-120°	52.6	1.0
120°-130°	36.7	0.7
130°-140°	25.5	0.5
140°-150°	15.6	0.3
150°-160°	7.9	0.1
160°-170°	3.0	0.1
170°-180°	0.6	0.0
0°-30°	1958.0	36.1
0°-40°	2819.8	52.0
0°-60°	4261.3	78.5
0°-90°	5092.6	93.9
90°-120°	243.1	4.5
90°-150°	320.8	5.9
90°-180°	332.0	6.1
0°-180°	5425.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4401	4401	4401	4401	4401	
5°	4440	4195	3759	3506	3411	424
15°	4451	3206	2444	2007	1846	1263
25°	4454	2269	1293	1123	1070	2053
35°	4192	1262	865	837	826	2601
45°	3030	798	728	806	834	2304
55°	1390	570	562	631	656	1278
65°	556	359	353	403	417	572
75°	189	195	245	281	295	208
85°	25	89	172	225	242	34
90°	0	61	145	200	208	1
95°	0	44	120	164	172	0
105°	0	33	78	111	120	2
115°	3	28	58	81	86	3
125°	3	25	50	58	61	3
135°	3	20	39	47	50	2
145°	3	14	28	36	39	2
155°	3	8	17	25	28	1
165°	6	6	11	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°	4401.0	4401.0	4401.0	4401.0	4401.0
1°	4437.2	4412.1	4353.8	4370.4	4367.7
2°	4437.2	4384.3	4270.4	4237.0	4186.9
3°	4439.9	4337.1	4142.5	4034.0	3964.5
4°	4439.9	4267.6	3953.4	3772.7	3683.7
5°	4439.9	4195.3	3758.8	3505.8	3411.3
6°	4434.4	4109.1	3561.4	3294.5	3152.7
7°	4442.7	4014.6	3383.5	3097.1	2985.9
8°	4439.9	3903.4	3219.4	2947.0	2824.7
9°	4448.3	3794.9	3041.5	2805.2	2713.5
10°	4439.9	3694.9	2924.7	2671.8	2577.2
11°	4439.9	3597.6	2841.3	2585.6	2504.9
12°	4445.5	3486.3	2749.6	2463.2	2352.0
13°	4459.4	3372.4	2644.0	2329.8	2199.1
14°	4462.2	3286.2	2546.6	2160.2	2024.0
15°	4451.1	3205.5	2443.8	2007.3	1846.0
16°	4445.5	3122.1	2321.4	1862.7	1718.2
17°	4456.6	3024.8	2182.4	1715.4	1581.9
18°	4459.4	2935.9	2035.1	1604.2	1487.4
19°	4459.4	2866.4	1915.5	1501.3	1401.2
20°	4459.4	2799.6	1793.2	1423.5	1337.3
21°	4453.8	2716.2	1654.2	1342.8	1270.5
22.5°	4456.6	2560.5	1495.7	1248.3	1189.9
23°	4448.3	2521.6	1456.8	1223.3	1162.1
24°	4451.1	2410.4	1373.4	1173.2	1114.9
25°	4453.8	2268.6	1292.8	1123.2	1070.4
26°	4448.3	2154.6	1226.1	1075.9	1039.8
27°	4434.4	2062.9	1178.8	1037.0	1003.6
28°	4414.9	1940.6	1128.8	1003.6	973.1
29°	4395.5	1801.6	1078.7	967.5	945.3
30°	4384.3	1690.3	1031.4	939.7	920.2
32.5°	4317.6	1470.7	934.1	884.1	867.4
35°	4192.5	1262.2	864.6	836.8	825.7
37.5°	4028.5	1101.0	811.8	806.3	809.0
40°	3758.8	973.1	772.9	797.9	822.9
42.5°	3436.3	873.0	745.1	806.3	834.1
45°	3030.4	797.9	728.4	806.3	834.1
47.5°	2580.0	736.7	708.9	778.5	806.3
50°	2129.6	681.1	670.0	736.7	761.8
52.5°	1732.1	628.3	620.0	683.9	708.9
55°	1390.1	569.9	561.6	631.1	656.1
57.5°	1114.9	514.3	506.0	569.9	595.0
60°	889.7	458.7	444.8	508.8	533.8
62.5°	708.9	405.9	397.6	453.2	475.4
65°	556.0	358.6	353.1	403.1	417.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	439.3	314.2	316.9	358.6	375.3
70°	339.2	272.5	289.1	328.1	339.2
72.5°	255.8	230.8	266.9	300.3	314.2
75°	189.1	194.6	244.7	280.8	294.7
77.5°	130.7	161.3	225.2	264.1	278.0
80°	89.0	130.7	205.7	250.2	266.9
82.5°	52.8	108.4	189.1	236.3	255.8
85°	25.0	89.0	172.4	225.2	241.9
87.5°	8.3	72.3	155.7	214.1	228.0
90°	0.0	61.2	144.6	200.2	208.5
92.5°	0.0	52.8	130.7	183.5	189.1
95°	0.0	44.5	119.5	164.0	172.4
97.5°	0.0	41.7	111.2	147.3	158.5
100°	0.0	38.9	100.1	133.4	144.6
102.5°	0.0	33.4	89.0	119.5	130.7
105°	0.0	33.4	77.8	111.2	119.5
107.5°	2.8	30.6	72.3	100.1	111.2
110°	2.8	30.6	63.9	94.5	102.9
112.5°	2.8	30.6	61.2	86.2	97.3
115°	2.8	27.8	58.4	80.6	86.2
117.5°	2.8	27.8	55.6	72.3	77.8
120°	2.8	25.0	52.8	66.7	69.5
122.5°	2.8	25.0	50.0	61.2	63.9
125°	2.8	25.0	50.0	58.4	61.2
127.5°	2.8	22.2	47.3	55.6	55.6
130°	2.8	22.2	44.5	52.8	52.8
132.5°	2.8	19.5	41.7	50.0	52.8
135°	2.8	19.5	38.9	47.3	50.0
137.5°	2.8	16.7	36.1	44.5	47.3
140°	2.8	16.7	33.4	41.7	44.5
142.5°	2.8	13.9	30.6	38.9	41.7
145°	2.8	13.9	27.8	36.1	38.9
147.5°	2.8	13.9	25.0	33.4	36.1
150°	2.8	11.1	22.2	30.6	33.4
152.5°	2.8	11.1	19.5	27.8	30.6
155°	2.8	8.3	16.7	25.0	27.8
157.5°	2.8	8.3	16.7	22.2	25.0
160°	5.6	8.3	13.9	19.5	22.2
162.5°	2.8	5.6	13.9	16.7	19.5
165°	5.6	5.6	11.1	13.9	16.7
167.5°	5.6	5.6	8.3	11.1	13.9
170°	5.6	5.6	8.3	8.3	11.1
172.5°	5.6	5.6	5.6	8.3	5.6
175°	5.6	5.6	5.6	5.6	2.8
177.5°	5.6	5.6	5.6	5.6	2.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.6	5.6	5.6	5.6	5.6

(END OF REPORT)