

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: P566631

Luminaire Tested: **4SNX-60SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566631
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-60SL-LN-UNV-L835-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

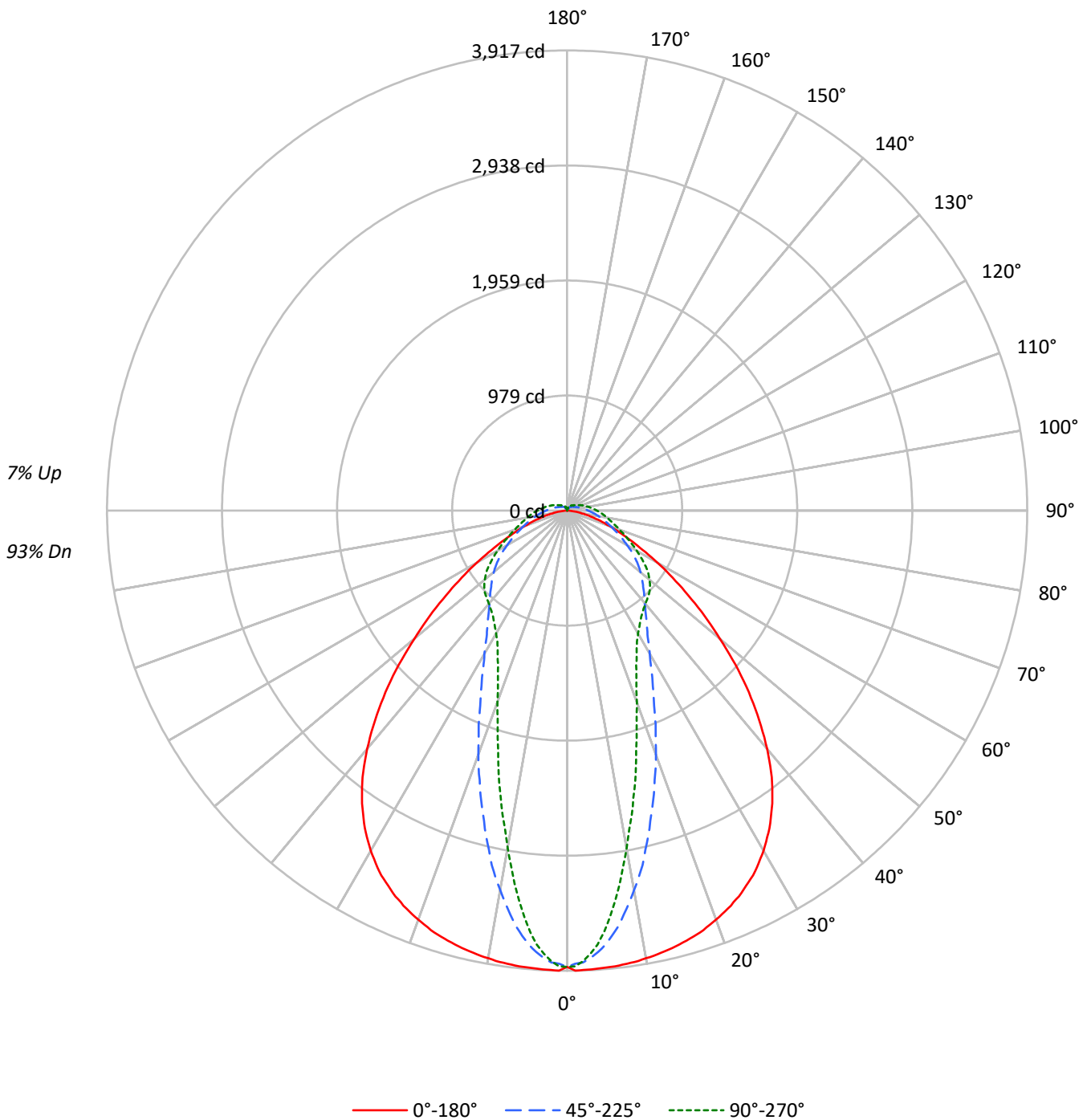
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6192.0 lumens
Efficiency: N/A
Efficacy: 147.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	41811	41811	41811
5°	42029	38429	36776
10°	41971	32949	28533
15°	41950	26877	21386
20°	41816	21411	16003
25°	41437	16778	12701
30°	40568	13578	10834
35°	38864	11491	9855
40°	35951	10146	9328
45°	31963	9281	9040
50°	27076	8541	8539
55°	22245	7739	7799
60°	17788	6808	6841
65°	13808	5978	5953
70°	10722	5287	5266
75°	8292	4751	4798
80°	5856	4346	4460
85°	3254	4053	4278



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.0	5.6
10°-20°	806.3	13.0
20°-30°	957.1	15.5
30°-40°	963.0	15.6
40°-50°	895.1	14.5
50°-60°	737.1	11.9
60°-70°	519.4	8.4
70°-80°	339.3	5.5
80°-90°	216.6	3.5
90°-100°	142.1	2.3
100°-110°	96.5	1.6
110°-120°	66.1	1.1
120°-130°	45.7	0.7
130°-140°	30.8	0.5
140°-150°	19.0	0.3
150°-160°	9.8	0.2
160°-170°	3.6	0.1
170°-180°	0.6	0.0
0°-30°	2107.4	34.0
0°-40°	3070.4	49.6
0°-60°	4702.6	75.9
0°-90°	5777.9	93.3
90°-120°	304.6	4.9
90°-150°	400.1	6.5
90°-180°	414.0	6.7
0°-180°	6192.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3884	3884	3884	3884	3884	
5°	3904	3852	3712	3641	3602	372
15°	3806	3401	2736	2392	2262	1075
25°	3557	2629	1743	1464	1402	1637
35°	3044	1778	1181	1107	1100	1893
45°	2187	1172	915	964	990	1679
55°	1256	769	707	785	811	1134
65°	591	464	487	548	568	599
75°	230	240	328	386	402	249
85°	39	110	221	286	299	49
90°	0	75	178	243	253	2
95°	0	55	149	204	214	0
105°	0	39	101	143	156	0
115°	3	32	71	104	110	3
125°	3	26	58	75	81	3
135°	3	23	45	58	62	2
145°	3	16	32	45	49	2
155°	3	13	23	32	36	1
165°	3	6	13	16	20	1
175°	6	6	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3884.4	3884.4	3884.4	3884.4	3884.4
1°	3916.9	3900.7	3858.5	3887.7	3881.2
2°	3913.6	3897.4	3848.7	3861.7	3839.0
3°	3910.4	3887.7	3813.0	3809.8	3777.3
4°	3907.1	3871.4	3767.6	3728.7	3702.7
5°	3903.9	3852.0	3712.4	3641.0	3602.1
6°	3900.7	3829.3	3641.0	3534.0	3478.8
7°	3894.2	3793.6	3566.4	3420.4	3349.0
8°	3887.7	3761.1	3472.3	3297.1	3209.4
9°	3881.2	3718.9	3378.2	3164.0	3060.2
10°	3868.2	3676.7	3280.8	3027.7	2917.4
11°	3861.7	3628.1	3186.7	2897.9	2768.1
12°	3848.7	3576.1	3086.1	2761.6	2648.0
13°	3835.8	3521.0	2962.8	2644.8	2508.5
14°	3822.8	3462.6	2855.7	2515.0	2388.4
15°	3806.5	3400.9	2735.6	2391.7	2261.9
16°	3790.3	3329.5	2628.6	2265.1	2128.8
17°	3774.1	3261.4	2528.0	2148.3	2025.0
18°	3754.6	3193.2	2411.1	2034.7	1914.6
19°	3728.7	3115.3	2317.0	1930.9	1820.5
20°	3705.9	3043.9	2209.9	1833.5	1736.1
21°	3680.0	2956.3	2102.8	1742.6	1645.3
22.5°	3641.0	2833.0	1966.6	1629.1	1538.2
23°	3621.6	2797.3	1911.4	1586.9	1509.0
24°	3595.6	2703.2	1820.5	1522.0	1444.1
25°	3556.7	2628.6	1742.6	1463.6	1401.9
26°	3521.0	2537.7	1664.8	1411.6	1350.0
27°	3485.3	2450.1	1596.6	1356.5	1304.5
28°	3439.8	2359.2	1522.0	1311.0	1265.6
29°	3391.2	2274.8	1460.3	1272.1	1236.4
30°	3342.5	2180.7	1408.4	1236.4	1207.2
32.5°	3206.2	1973.0	1275.3	1168.2	1148.8
35°	3043.9	1778.3	1181.2	1106.6	1100.1
37.5°	2862.2	1599.9	1096.9	1057.9	1064.4
40°	2648.0	1437.6	1025.5	1022.2	1035.2
42.5°	2420.9	1298.1	970.3	993.0	1012.5
45°	2187.2	1171.5	915.1	963.8	989.8
47.5°	1943.8	1061.2	866.5	928.1	957.3
50°	1697.2	954.1	814.5	885.9	915.1
52.5°	1476.5	860.0	762.6	837.2	869.7
55°	1255.9	769.1	707.4	785.3	811.3
57.5°	1064.4	684.7	649.0	726.9	746.4
60°	885.9	603.6	590.6	662.0	684.7
62.5°	723.7	532.2	535.4	603.6	626.3
65°	590.6	464.1	486.8	548.4	567.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	480.3	399.2	438.1	503.0	519.2
70°	379.7	340.7	399.2	457.6	473.8
72.5°	301.8	288.8	360.2	421.9	434.8
75°	230.4	240.1	327.8	386.2	402.4
77.5°	165.5	201.2	295.3	357.0	369.9
80°	116.8	165.5	269.3	331.0	344.0
82.5°	74.6	136.3	243.4	308.3	321.3
85°	38.9	110.3	220.7	285.6	298.6
87.5°	16.2	90.9	198.0	262.9	275.8
90°	0.0	74.6	178.5	243.4	253.1
92.5°	0.0	64.9	162.3	223.9	233.6
95°	0.0	55.2	149.3	204.4	214.2
97.5°	0.0	51.9	133.1	188.2	198.0
100°	0.0	45.4	120.1	172.0	185.0
102.5°	0.0	42.2	110.3	155.8	168.7
105°	0.0	38.9	100.6	142.8	155.8
107.5°	0.0	35.7	94.1	133.1	142.8
110°	0.0	35.7	84.4	123.3	133.1
112.5°	3.2	32.5	77.9	110.3	120.1
115°	3.2	32.5	71.4	103.8	110.3
117.5°	3.2	32.5	68.1	94.1	100.6
120°	3.2	29.2	64.9	87.6	94.1
122.5°	3.2	29.2	61.7	81.1	84.4
125°	3.2	26.0	58.4	74.6	81.1
127.5°	3.2	26.0	55.2	71.4	74.6
130°	3.2	26.0	51.9	64.9	71.4
132.5°	3.2	22.7	48.7	61.7	64.9
135°	3.2	22.7	45.4	58.4	61.7
137.5°	3.2	19.5	42.2	55.2	58.4
140°	3.2	19.5	38.9	51.9	55.2
142.5°	3.2	16.2	35.7	48.7	51.9
145°	3.2	16.2	32.5	45.4	48.7
147.5°	3.2	16.2	29.2	42.2	45.4
150°	3.2	13.0	26.0	38.9	42.2
152.5°	3.2	13.0	22.7	35.7	38.9
155°	3.2	13.0	22.7	32.5	35.7
157.5°	3.2	9.7	19.5	26.0	32.5
160°	3.2	9.7	16.2	22.7	29.2
162.5°	3.2	9.7	16.2	19.5	22.7
165°	3.2	6.5	13.0	16.2	19.5
167.5°	3.2	6.5	9.7	13.0	16.2
170°	3.2	6.5	9.7	9.7	13.0
172.5°	3.2	6.5	6.5	6.5	6.5
175°	6.5	6.5	6.5	6.5	3.2
177.5°	6.5	6.5	6.5	3.2	3.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)