

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: P566630

Luminaire Tested: **4SNX-60SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566630
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-L830-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

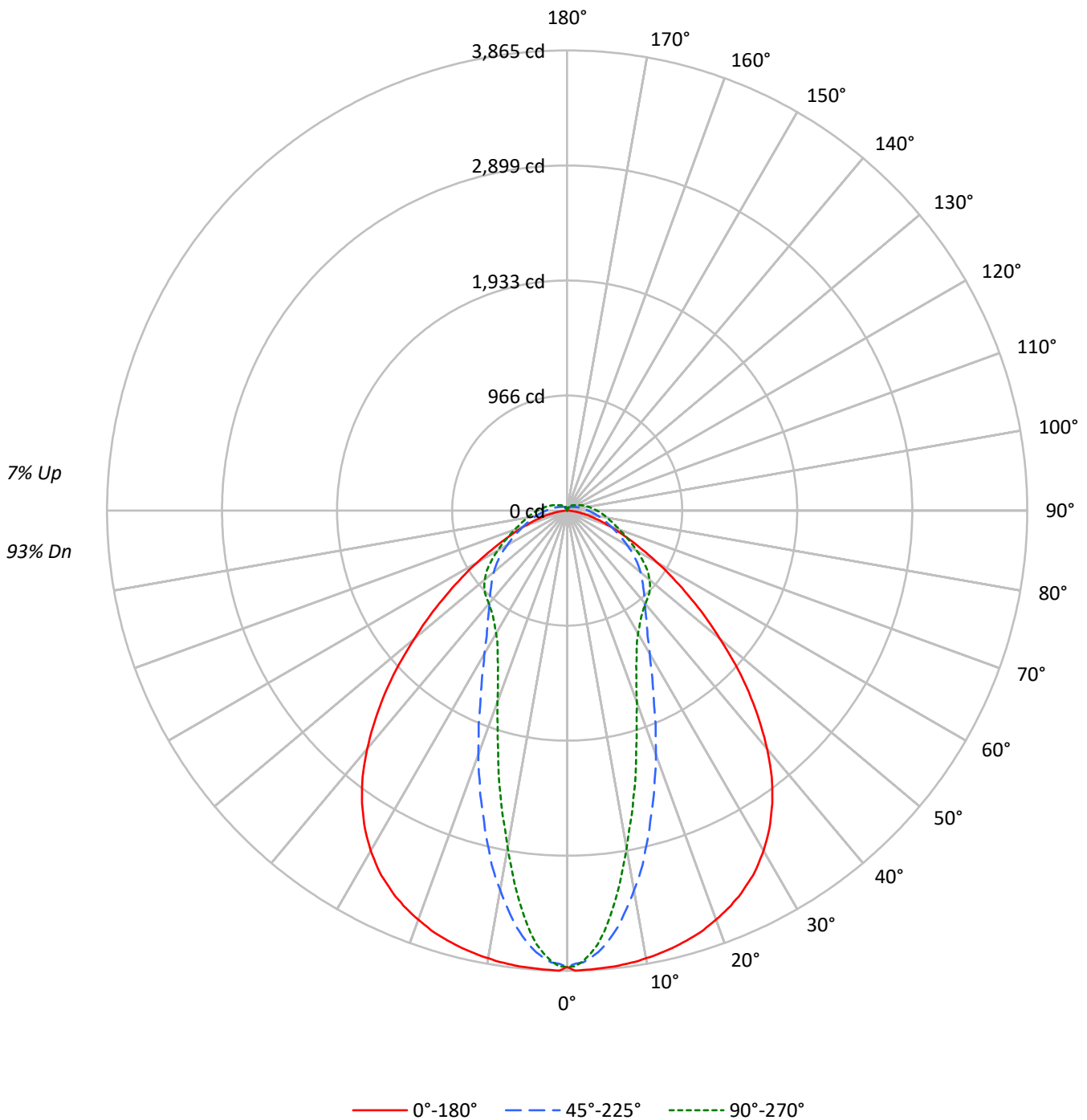
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6109.9 lumens
Efficiency: N/A
Efficacy: 145.5 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	68	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°	41258	41258	41258
5°	41472	37920	36289
10°	41415	32513	28154
15°	41394	26522	21102
20°	41263	21128	15792
25°	40888	16556	12533
30°	40031	13398	10691
35°	38349	11339	9724
40°	35476	10011	9204
45°	31540	9159	8921
50°	26717	8428	8426
55°	21949	7637	7695
60°	17553	6718	6751
65°	13626	5898	5874
70°	10581	5217	5196
75°	8185	4687	4735
80°	5781	4290	4400
85°	3212	3998	4221



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.4	5.6
10°-20°	795.6	13.0
20°-30°	944.4	15.5
30°-40°	950.2	15.6
40°-50°	883.3	14.5
50°-60°	727.3	11.9
60°-70°	512.5	8.4
70°-80°	334.8	5.5
80°-90°	213.8	3.5
90°-100°	140.2	2.3
100°-110°	95.2	1.6
110°-120°	65.2	1.1
120°-130°	45.1	0.7
130°-140°	30.3	0.5
140°-150°	18.7	0.3
150°-160°	9.7	0.2
160°-170°	3.5	0.1
170°-180°	0.6	0.0
0°-30°	2079.5	34.0
0°-40°	3029.7	49.6
0°-60°	4640.3	75.9
0°-90°	5701.4	93.3
90°-120°	300.6	4.9
90°-150°	394.7	6.5
90°-180°	409.0	6.7
0°-180°	6109.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3833	3833	3833	3833	3833	
5°	3852	3801	3663	3593	3554	367
15°	3756	3356	2699	2360	2232	1061
25°	3510	2594	1720	1444	1383	1615
35°	3004	1755	1166	1092	1086	1868
45°	2158	1156	903	951	977	1657
55°	1239	759	698	775	800	1119
65°	583	458	480	541	560	591
75°	227	237	323	381	397	246
85°	38	109	218	282	295	48
90°	0	74	176	240	250	2
95°	0	54	147	202	211	0
105°	0	38	99	141	154	0
115°	3	32	70	102	109	3
125°	3	26	58	74	80	3
135°	3	22	45	58	61	2
145°	3	16	32	45	48	2
155°	3	13	22	32	35	1
165°	3	6	13	16	19	1
175°	6	6	6	6	3	0
180°	3	3	3	3	3	



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CATALOG NUMBER: 4SNX-60SL-LN-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3833.0	3833.0	3833.0	3833.0	3833.0
1°	3865.0	3849.0	3807.4	3836.2	3829.8
2°	3861.8	3845.8	3797.8	3810.6	3788.2
3°	3858.6	3836.2	3762.5	3759.3	3727.3
4°	3855.4	3820.2	3717.7	3679.3	3653.7
5°	3852.2	3801.0	3663.3	3592.8	3554.4
6°	3849.0	3778.5	3592.8	3487.2	3432.7
7°	3842.6	3743.3	3519.2	3375.1	3304.6
8°	3836.2	3711.3	3426.3	3253.4	3166.9
9°	3829.8	3669.7	3333.4	3122.1	3019.6
10°	3817.0	3628.0	3237.4	2987.6	2878.7
11°	3810.6	3580.0	3144.5	2859.5	2731.4
12°	3797.8	3528.8	3045.3	2725.0	2613.0
13°	3785.0	3474.3	2923.6	2609.8	2475.3
14°	3772.1	3416.7	2817.9	2481.7	2356.8
15°	3756.1	3355.9	2699.4	2360.0	2231.9
16°	3740.1	3285.4	2593.7	2235.1	2100.6
17°	3724.1	3218.2	2494.5	2119.8	1998.1
18°	3704.9	3150.9	2379.2	2007.8	1889.3
19°	3679.3	3074.1	2286.3	1905.3	1796.4
20°	3656.9	3003.6	2180.7	1809.2	1713.2
21°	3631.2	2917.2	2075.0	1719.6	1623.5
22.5°	3592.8	2795.5	1940.5	1607.5	1517.8
23°	3573.6	2760.3	1886.1	1565.9	1489.0
24°	3548.0	2667.4	1796.4	1501.8	1425.0
25°	3509.6	2593.7	1719.6	1444.2	1383.3
26°	3474.3	2504.1	1642.7	1392.9	1332.1
27°	3439.1	2417.6	1575.5	1338.5	1287.3
28°	3394.3	2328.0	1501.8	1293.7	1248.8
29°	3346.3	2244.7	1441.0	1255.2	1220.0
30°	3298.2	2151.9	1389.7	1220.0	1191.2
32.5°	3163.7	1946.9	1258.4	1152.8	1133.6
35°	3003.6	1754.8	1165.6	1091.9	1085.5
37.5°	2824.3	1578.7	1082.3	1043.9	1050.3
40°	2613.0	1418.6	1011.9	1008.7	1021.5
42.5°	2388.8	1280.9	957.4	979.9	999.1
45°	2158.3	1156.0	903.0	951.0	976.7
47.5°	1918.1	1047.1	855.0	915.8	944.6
50°	1674.7	941.4	803.7	874.2	903.0
52.5°	1457.0	848.6	752.5	826.2	858.2
55°	1239.2	758.9	698.1	774.9	800.5
57.5°	1050.3	675.7	640.4	717.3	736.5
60°	874.2	595.6	582.8	653.2	675.7
62.5°	714.1	525.2	528.4	595.6	618.0
65°	582.8	457.9	480.3	541.2	560.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	473.9	393.9	432.3	496.3	512.3
70°	374.7	336.2	393.9	451.5	467.5
72.5°	297.8	285.0	355.4	416.3	429.1
75°	227.4	237.0	323.4	381.1	397.1
77.5°	163.3	198.5	291.4	352.2	365.0
80°	115.3	163.3	265.8	326.6	339.4
82.5°	73.6	134.5	240.2	304.2	317.0
85°	38.4	108.9	217.7	281.8	294.6
87.5°	16.0	89.7	195.3	259.4	272.2
90°	0.0	73.6	176.1	240.2	249.8
92.5°	0.0	64.0	160.1	220.9	230.6
95°	0.0	54.4	147.3	201.7	211.3
97.5°	0.0	51.2	131.3	185.7	195.3
100°	0.0	44.8	118.5	169.7	182.5
102.5°	0.0	41.6	108.9	153.7	166.5
105°	0.0	38.4	99.3	140.9	153.7
107.5°	0.0	35.2	92.9	131.3	140.9
110°	0.0	35.2	83.3	121.7	131.3
112.5°	3.2	32.0	76.9	108.9	118.5
115°	3.2	32.0	70.4	102.5	108.9
117.5°	3.2	32.0	67.2	92.9	99.3
120°	3.2	28.8	64.0	86.5	92.9
122.5°	3.2	28.8	60.8	80.1	83.3
125°	3.2	25.6	57.6	73.6	80.1
127.5°	3.2	25.6	54.4	70.4	73.6
130°	3.2	25.6	51.2	64.0	70.4
132.5°	3.2	22.4	48.0	60.8	64.0
135°	3.2	22.4	44.8	57.6	60.8
137.5°	3.2	19.2	41.6	54.4	57.6
140°	3.2	19.2	38.4	51.2	54.4
142.5°	3.2	16.0	35.2	48.0	51.2
145°	3.2	16.0	32.0	44.8	48.0
147.5°	3.2	16.0	28.8	41.6	44.8
150°	3.2	12.8	25.6	38.4	41.6
152.5°	3.2	12.8	22.4	35.2	38.4
155°	3.2	12.8	22.4	32.0	35.2
157.5°	3.2	9.6	19.2	25.6	32.0
160°	3.2	9.6	16.0	22.4	28.8
162.5°	3.2	9.6	16.0	19.2	22.4
165°	3.2	6.4	12.8	16.0	19.2
167.5°	3.2	6.4	9.6	12.8	16.0
170°	3.2	6.4	9.6	9.6	12.8
172.5°	3.2	6.4	6.4	6.4	6.4
175°	6.4	6.4	6.4	6.4	3.2
177.5°	6.4	6.4	6.4	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)