

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: P567884

Luminaire Tested: **8SNX-62SL-LC-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567884
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: 8SNX-62SL-LC-UNV-L840-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

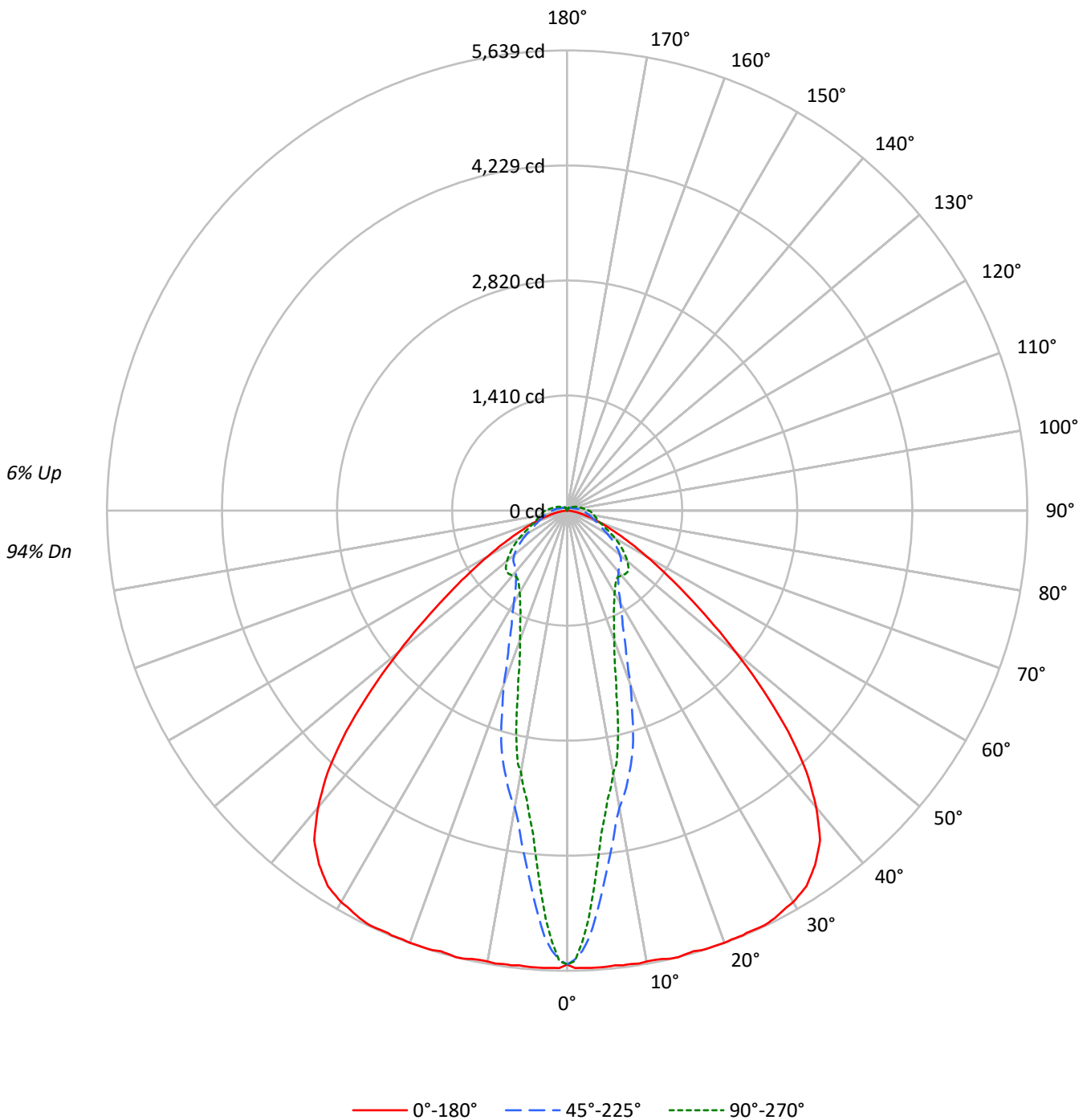
Lumens per Lamp: N/A
Luminaire Lumens: 6856.0 lumens
Efficiency: N/A
Efficacy: 175.8 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 39
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°	29934	29934	29934
5°	30259	24617	22007
10°	30552	18605	15927
15°	31169	15225	11029
20°	32035	11028	7789
25°	33103	7909	6128
30°	34024	6325	5219
35°	34311	5356	4674
40°	32801	4874	4686
45°	28554	4714	4814
50°	21989	4489	4492
55°	16008	3930	3986
60°	11680	3285	3370
65°	8566	2782	2762
70°	6381	2462	2382
75°	4609	2285	2220
80°	3116	2145	2187
85°	1576	2051	2190



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.4	6.4
10°-20°	949.8	13.9
20°-30°	1087.2	15.9
30°-40°	1089.2	15.9
40°-50°	1031.0	15.0
50°-60°	790.7	11.5
60°-70°	509.7	7.4
70°-80°	325.0	4.7
80°-90°	215.8	3.1
90°-100°	145.1	2.1
100°-110°	95.6	1.4
110°-120°	66.5	1.0
120°-130°	46.4	0.7
130°-140°	32.2	0.5
140°-150°	19.7	0.3
150°-160°	10.0	0.1
160°-170°	3.8	0.1
170°-180°	0.7	0.0
0°-30°	2474.5	36.1
0°-40°	3563.6	52.0
0°-60°	5385.4	78.6
0°-90°	6435.9	93.9
90°-120°	307.2	4.5
90°-150°	405.5	5.9
90°-180°	420.0	6.1
0°-180°	6856.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5562	5562	5562	5562	5562	
5°	5611	5302	4750	4431	4311	536
15°	5625	4051	3088	2537	2333	1596
25°	5629	2867	1634	1420	1353	2595
35°	5298	1595	1093	1058	1044	3287
45°	3830	1008	920	1019	1054	2912
55°	1757	720	710	798	829	1615
65°	703	453	446	510	527	723
75°	239	246	309	355	372	263
85°	32	112	218	285	306	43
90°	0	77	183	253	264	1
95°	0	56	151	207	218	0
105°	0	42	98	140	151	2
115°	4	35	74	102	109	3
125°	4	32	63	74	77	3
135°	4	25	49	60	63	3
145°	4	18	35	46	49	2
155°	4	10	21	32	35	2
165°	7	7	14	18	21	2
175°	7	7	7	7	4	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5561.9	5561.9	5561.9	5561.9	5561.9
1°	5607.6	5576.0	5502.2	5523.3	5519.8
2°	5607.6	5540.8	5396.8	5354.6	5291.4
3°	5611.1	5481.1	5235.2	5098.1	5010.3
4°	5611.1	5393.3	4996.2	4767.9	4655.4
5°	5611.1	5301.9	4750.3	4430.6	4311.1
6°	5604.1	5193.0	4500.8	4163.5	3984.3
7°	5614.6	5073.5	4276.0	3914.1	3773.5
8°	5611.1	4933.0	4068.7	3724.3	3569.7
9°	5621.6	4796.0	3843.8	3545.2	3429.2
10°	5611.1	4669.5	3696.2	3376.5	3257.0
11°	5611.1	4546.5	3590.8	3267.6	3165.7
12°	5618.1	4406.0	3474.9	3113.0	2972.4
13°	5635.7	4261.9	3341.4	2944.3	2779.2
14°	5639.2	4153.0	3218.4	2730.0	2557.9
15°	5625.2	4051.1	3088.4	2536.8	2333.0
16°	5618.1	3945.7	2933.8	2354.1	2171.4
17°	5632.2	3822.7	2758.1	2167.8	1999.2
18°	5635.7	3710.3	2571.9	2027.3	1879.7
19°	5635.7	3622.5	2420.8	1897.3	1770.8
20°	5635.7	3538.1	2266.2	1798.9	1690.0
21°	5628.7	3432.7	2090.6	1697.0	1605.7
22.5°	5632.2	3236.0	1890.3	1577.6	1503.8
23°	5621.6	3186.8	1841.1	1546.0	1468.7
24°	5625.2	3046.2	1735.7	1482.7	1408.9
25°	5628.7	2867.0	1633.8	1419.5	1352.7
26°	5621.6	2723.0	1549.5	1359.7	1314.1
27°	5604.1	2607.0	1489.7	1310.5	1268.4
28°	5579.5	2452.4	1426.5	1268.4	1229.7
29°	5554.9	2276.8	1363.3	1222.7	1194.6
30°	5540.8	2136.2	1303.5	1187.6	1163.0
32.5°	5456.5	1858.7	1180.5	1117.3	1096.2
35°	5298.4	1595.1	1092.7	1057.6	1043.5
37.5°	5091.1	1391.4	1026.0	1018.9	1022.4
40°	4750.3	1229.7	976.8	1008.4	1040.0
42.5°	4342.7	1103.2	941.6	1018.9	1054.1
45°	3829.7	1008.4	920.5	1018.9	1054.1
47.5°	3260.6	931.1	896.0	983.8	1018.9
50°	2691.4	860.8	846.8	931.1	962.7
52.5°	2188.9	794.1	783.5	864.3	896.0
55°	1756.8	720.3	709.7	797.6	829.2
57.5°	1408.9	650.0	639.5	720.3	751.9
60°	1124.3	579.7	562.2	643.0	674.6
62.5°	896.0	513.0	502.4	572.7	600.8
65°	702.7	453.2	446.2	509.5	527.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	555.1	397.0	400.5	453.2	474.3
70°	428.7	344.3	365.4	414.6	428.7
72.5°	323.2	291.6	337.3	379.5	397.0
75°	238.9	245.9	309.2	354.9	372.4
77.5°	165.1	203.8	284.6	333.8	351.4
80°	112.4	165.1	260.0	316.2	337.3
82.5°	66.8	137.0	238.9	298.7	323.2
85°	31.6	112.4	217.8	284.6	305.7
87.5°	10.5	91.4	196.8	270.5	288.1
90°	0.0	77.3	182.7	253.0	263.5
92.5°	0.0	66.8	165.1	231.9	238.9
95°	0.0	56.2	151.1	207.3	217.8
97.5°	0.0	52.7	140.5	186.2	200.3
100°	0.0	49.2	126.5	168.6	182.7
102.5°	0.0	42.2	112.4	151.1	165.1
105°	0.0	42.2	98.4	140.5	151.1
107.5°	3.5	38.6	91.4	126.5	140.5
110°	3.5	38.6	80.8	119.5	130.0
112.5°	3.5	38.6	77.3	108.9	123.0
115°	3.5	35.1	73.8	101.9	108.9
117.5°	3.5	35.1	70.3	91.4	98.4
120°	3.5	31.6	66.8	84.3	87.8
122.5°	3.5	31.6	63.2	77.3	80.8
125°	3.5	31.6	63.2	73.8	77.3
127.5°	3.5	28.1	59.7	70.3	70.3
130°	3.5	28.1	56.2	66.8	66.8
132.5°	3.5	24.6	52.7	63.2	66.8
135°	3.5	24.6	49.2	59.7	63.2
137.5°	3.5	21.1	45.7	56.2	59.7
140°	3.5	21.1	42.2	52.7	56.2
142.5°	3.5	17.6	38.6	49.2	52.7
145°	3.5	17.6	35.1	45.7	49.2
147.5°	3.5	17.6	31.6	42.2	45.7
150°	3.5	14.1	28.1	38.6	42.2
152.5°	3.5	14.1	24.6	35.1	38.6
155°	3.5	10.5	21.1	31.6	35.1
157.5°	3.5	10.5	21.1	28.1	31.6
160°	7.0	10.5	17.6	24.6	28.1
162.5°	3.5	7.0	17.6	21.1	24.6
165°	7.0	7.0	14.1	17.6	21.1
167.5°	7.0	7.0	10.5	14.1	17.6
170°	7.0	7.0	10.5	10.5	14.1
172.5°	7.0	7.0	7.0	10.5	7.0
175°	7.0	7.0	7.0	7.0	3.5
177.5°	7.0	7.0	7.0	7.0	3.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.0	7.0	7.0	7.0	7.0

(END OF REPORT)