

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: P567888

Luminaire Tested: **8SNX-62SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567888
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-L940-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

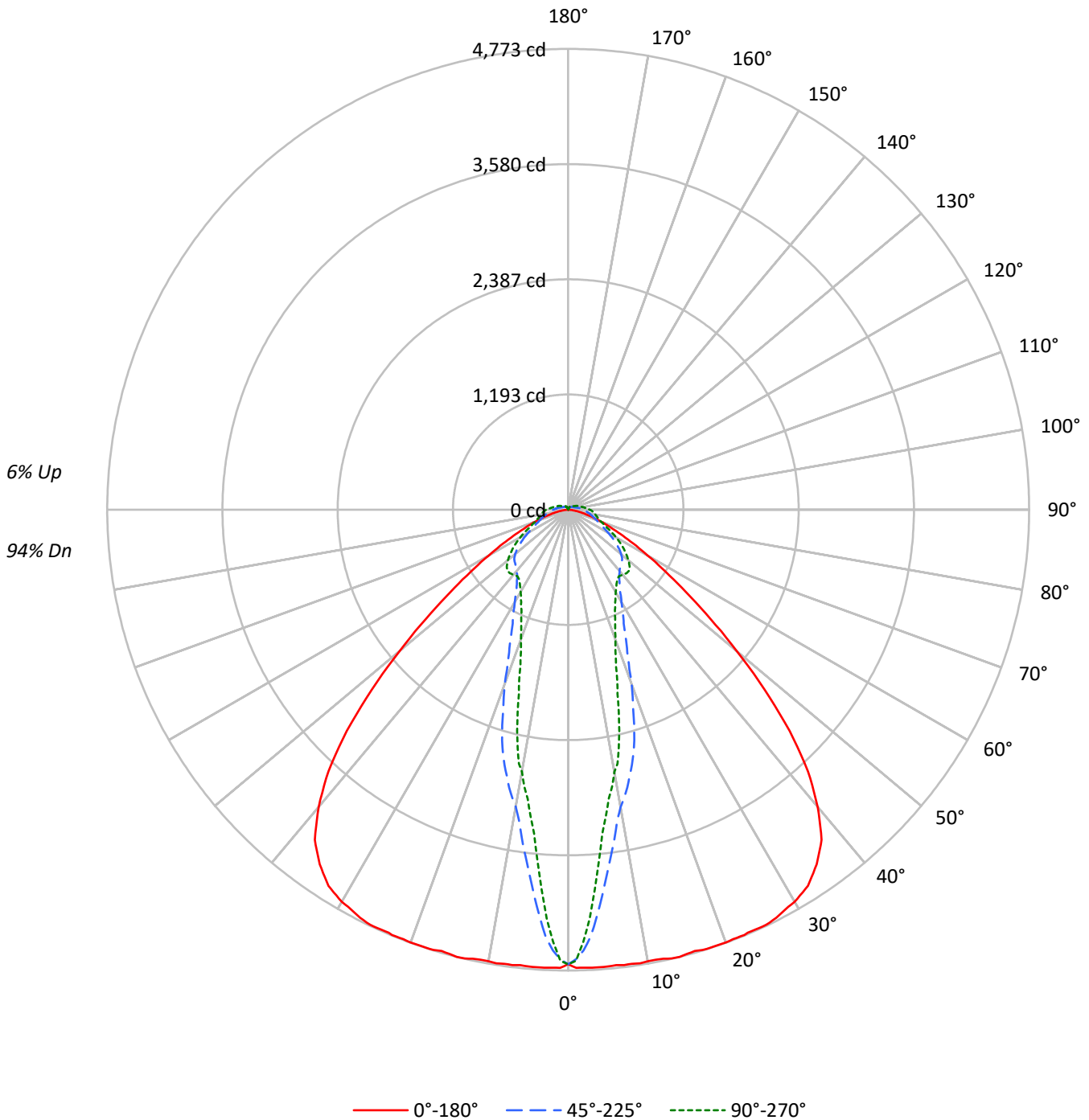
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5803.0 lumens
Efficiency: N/A
Efficacy: 148.8 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 (A_{in}): 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°	25337	25337	25337
5°	25611	20836	18627
10°	25860	15747	13481
15°	26381	12887	9335
20°	27114	9335	6593
25°	28019	6695	5186
30°	28799	5354	4417
35°	29041	4534	3956
40°	27763	4125	3966
45°	24168	3991	4074
50°	18611	3800	3802
55°	13549	3327	3373
60°	9886	2780	2852
65°	7251	2355	2338
70°	5400	2084	2016
75°	3901	1934	1879
80°	2639	1816	1851
85°	1337	1737	1853



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.2	6.4
10°-20°	803.9	13.9
20°-30°	920.2	15.9
30°-40°	921.9	15.9
40°-50°	872.7	15.0
50°-60°	669.3	11.5
60°-70°	431.4	7.4
70°-80°	275.1	4.7
80°-90°	182.7	3.1
90°-100°	122.8	2.1
100°-110°	80.9	1.4
110°-120°	56.3	1.0
120°-130°	39.3	0.7
130°-140°	27.3	0.5
140°-150°	16.7	0.3
150°-160°	8.5	0.1
160°-170°	3.3	0.1
170°-180°	0.6	0.0
0°-30°	2094.4	36.1
0°-40°	3016.3	52.0
0°-60°	4558.3	78.5
0°-90°	5447.4	93.9
90°-120°	260.0	4.5
90°-150°	343.2	5.9
90°-180°	356.0	6.1
0°-180°	5803.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4708	4708	4708	4708	4708	
5°	4749	4488	4021	3750	3649	453
15°	4761	3429	2614	2147	1975	1350
25°	4764	2427	1383	1202	1145	2196
35°	4485	1350	925	895	883	2782
45°	3242	854	779	862	892	2465
55°	1487	610	601	675	702	1367
65°	595	384	378	431	446	612
75°	202	208	262	300	315	222
85°	27	95	184	241	259	37
90°	0	65	155	214	223	1
95°	0	48	128	176	184	0
105°	0	36	83	119	128	2
115°	3	30	62	86	92	3
125°	3	27	54	62	65	3
135°	3	21	42	51	54	2
145°	3	15	30	39	42	2
155°	3	9	18	27	30	2
165°	6	6	12	15	18	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°	4707.7	4707.7	4707.7	4707.7	4707.7
1°	4746.3	4719.6	4657.1	4675.0	4672.0
2°	4746.3	4689.8	4567.9	4532.2	4478.7
3°	4749.3	4639.3	4431.1	4315.1	4240.8
4°	4749.3	4564.9	4228.9	4035.6	3940.4
5°	4749.3	4487.6	4020.7	3750.1	3649.0
6°	4743.4	4395.4	3809.6	3524.1	3372.4
7°	4752.3	4294.3	3619.2	3312.9	3194.0
8°	4749.3	4175.3	3443.8	3152.3	3021.5
9°	4758.2	4059.4	3253.4	3000.7	2902.5
10°	4749.3	3952.3	3128.5	2857.9	2756.8
11°	4749.3	3848.2	3039.3	2765.7	2679.5
12°	4755.3	3729.3	2941.2	2634.9	2515.9
13°	4770.1	3607.3	2828.2	2492.1	2352.4
14°	4773.1	3515.1	2724.1	2310.7	2165.0
15°	4761.2	3428.9	2614.1	2147.2	1974.7
16°	4755.3	3339.7	2483.2	1992.5	1837.9
17°	4767.2	3235.6	2334.5	1834.9	1692.1
18°	4770.1	3140.4	2176.9	1715.9	1591.0
19°	4770.1	3066.1	2049.0	1605.9	1498.8
20°	4770.1	2994.7	1918.2	1522.6	1430.4
21°	4764.2	2905.5	1769.5	1436.4	1359.1
22.5°	4767.2	2739.0	1600.0	1335.3	1272.8
23°	4758.2	2697.3	1558.3	1308.5	1243.1
24°	4761.2	2578.4	1469.1	1255.0	1192.5
25°	4764.2	2426.7	1382.9	1201.5	1144.9
26°	4758.2	2304.8	1311.5	1150.9	1112.2
27°	4743.4	2206.6	1260.9	1109.3	1073.6
28°	4722.5	2075.8	1207.4	1073.6	1040.9
29°	4701.7	1927.1	1153.9	1034.9	1011.1
30°	4689.8	1808.1	1103.3	1005.2	984.4
32.5°	4618.5	1573.2	999.2	945.7	927.9
35°	4484.6	1350.1	924.9	895.1	883.2
37.5°	4309.2	1177.7	868.4	862.4	865.4
40°	4020.7	1040.9	826.7	853.5	880.3
42.5°	3675.7	933.8	797.0	862.4	892.2
45°	3241.5	853.5	779.2	862.4	892.2
47.5°	2759.8	788.1	758.3	832.7	862.4
50°	2278.0	728.6	716.7	788.1	814.8
52.5°	1852.7	672.1	663.2	731.6	758.3
55°	1486.9	609.6	600.7	675.1	701.8
57.5°	1192.5	550.2	541.2	609.6	636.4
60°	951.6	490.7	475.8	544.2	571.0
62.5°	758.3	434.2	425.3	484.7	508.5
65°	594.8	383.6	377.7	431.2	446.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	469.9	336.1	339.0	383.6	401.5
70°	362.8	291.4	309.3	350.9	362.8
72.5°	273.6	246.8	285.5	321.2	336.1
75°	202.2	208.2	261.7	300.4	315.2
77.5°	139.8	172.5	240.9	282.5	297.4
80°	95.2	139.8	220.1	267.7	285.5
82.5°	56.5	116.0	202.2	252.8	273.6
85°	26.8	95.2	184.4	240.9	258.7
87.5°	8.9	77.3	166.5	229.0	243.9
90°	0.0	65.4	154.6	214.1	223.0
92.5°	0.0	56.5	139.8	196.3	202.2
95°	0.0	47.6	127.9	175.5	184.4
97.5°	0.0	44.6	119.0	157.6	169.5
100°	0.0	41.6	107.1	142.7	154.6
102.5°	0.0	35.7	95.2	127.9	139.8
105°	0.0	35.7	83.3	119.0	127.9
107.5°	3.0	32.7	77.3	107.1	119.0
110°	3.0	32.7	68.4	101.1	110.0
112.5°	3.0	32.7	65.4	92.2	104.1
115°	3.0	29.7	62.5	86.2	92.2
117.5°	3.0	29.7	59.5	77.3	83.3
120°	3.0	26.8	56.5	71.4	74.3
122.5°	3.0	26.8	53.5	65.4	68.4
125°	3.0	26.8	53.5	62.5	65.4
127.5°	3.0	23.8	50.6	59.5	59.5
130°	3.0	23.8	47.6	56.5	56.5
132.5°	3.0	20.8	44.6	53.5	56.5
135°	3.0	20.8	41.6	50.6	53.5
137.5°	3.0	17.8	38.7	47.6	50.6
140°	3.0	17.8	35.7	44.6	47.6
142.5°	3.0	14.9	32.7	41.6	44.6
145°	3.0	14.9	29.7	38.7	41.6
147.5°	3.0	14.9	26.8	35.7	38.7
150°	3.0	11.9	23.8	32.7	35.7
152.5°	3.0	11.9	20.8	29.7	32.7
155°	3.0	8.9	17.8	26.8	29.7
157.5°	3.0	8.9	17.8	23.8	26.8
160°	5.9	8.9	14.9	20.8	23.8
162.5°	3.0	5.9	14.9	17.8	20.8
165°	5.9	5.9	11.9	14.9	17.8
167.5°	5.9	5.9	8.9	11.9	14.9
170°	5.9	5.9	8.9	8.9	11.9
172.5°	5.9	5.9	5.9	8.9	5.9
175°	5.9	5.9	5.9	5.9	3.0
177.5°	5.9	5.9	5.9	5.9	3.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.9	5.9	5.9	5.9	5.9

(END OF REPORT)