

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: P567882

Luminaire Tested: **8SNX-62SL-LC-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567882
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-L830-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

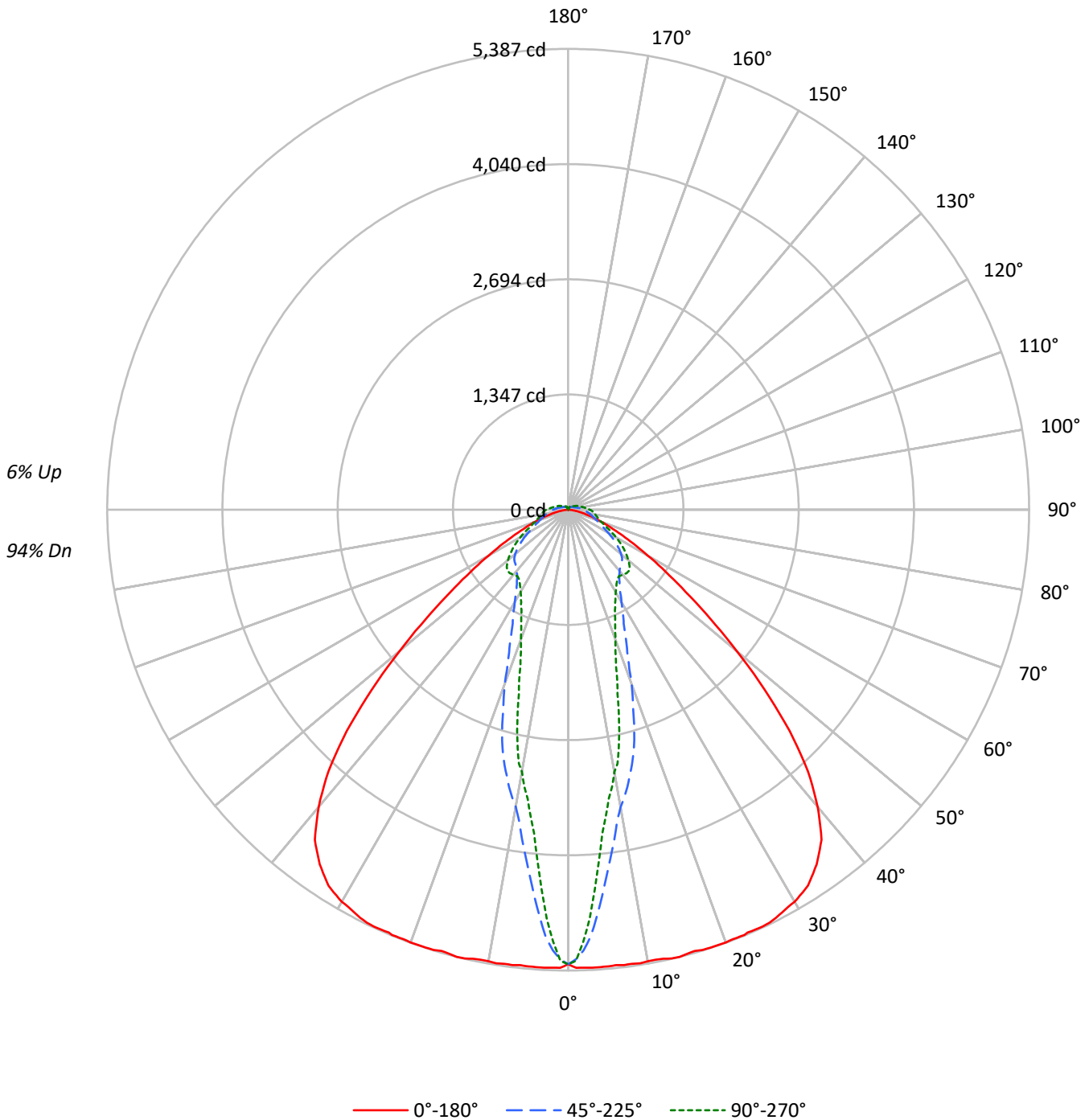
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6549.0 lumens
Efficiency: N/A
Efficacy: 167.9 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°	28594	28594	28594
5°	28904	23514	21022
10°	29185	17772	15214
15°	29773	14543	10535
20°	30600	10534	7440
25°	31621	7555	5853
30°	32501	6042	4985
35°	32775	5116	4465
40°	31332	4656	4476
45°	27276	4503	4598
50°	21004	4288	4291
55°	15291	3755	3807
60°	11158	3138	3219
65°	8182	2657	2638
70°	6095	2351	2276
75°	4403	2182	2121
80°	2977	2049	2089
85°	1506	1960	2092



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.8	6.4
10°-20°	907.3	13.9
20°-30°	1038.5	15.9
30°-40°	1040.4	15.9
40°-50°	984.9	15.0
50°-60°	755.3	11.5
60°-70°	486.8	7.4
70°-80°	310.5	4.7
80°-90°	206.2	3.1
90°-100°	138.6	2.1
100°-110°	91.3	1.4
110°-120°	63.5	1.0
120°-130°	44.3	0.7
130°-140°	30.8	0.5
140°-150°	18.8	0.3
150°-160°	9.6	0.1
160°-170°	3.7	0.1
170°-180°	0.7	0.0
0°-30°	2363.7	36.1
0°-40°	3404.1	52.0
0°-60°	5144.2	78.6
0°-90°	6147.7	93.9
90°-120°	293.4	4.5
90°-150°	387.3	5.9
90°-180°	401.0	6.1
0°-180°	6549.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5313	5313	5313	5313	5313	
5°	5360	5064	4538	4232	4118	512
15°	5373	3870	2950	2423	2228	1524
25°	5377	2739	1561	1356	1292	2479
35°	5061	1524	1044	1010	997	3140
45°	3658	963	879	973	1007	2781
55°	1678	688	678	762	792	1543
65°	671	433	426	487	503	690
75°	228	235	295	339	356	251
85°	30	107	208	272	292	42
90°	0	74	174	242	252	1
95°	0	54	144	198	208	0
105°	0	40	94	134	144	2
115°	3	34	70	97	104	3
125°	3	30	60	70	74	3
135°	3	24	47	57	60	3
145°	3	17	34	44	47	2
155°	3	10	20	30	34	2
165°	7	7	13	17	20	2
175°	7	7	7	7	3	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5312.9	5312.9	5312.9	5312.9	5312.9
1°	5356.5	5326.3	5255.8	5275.9	5272.6
2°	5356.5	5292.7	5155.1	5114.9	5054.4
3°	5359.9	5235.7	5000.7	4869.8	4785.9
4°	5359.9	5151.8	4772.5	4554.4	4447.0
5°	5359.9	5064.5	4537.6	4232.2	4118.1
6°	5353.1	4960.5	4299.3	3977.1	3805.9
7°	5363.2	4846.4	4084.5	3738.8	3604.6
8°	5359.9	4712.1	3886.5	3557.6	3409.9
9°	5369.9	4581.2	3671.7	3386.4	3275.7
10°	5359.9	4460.4	3530.7	3225.3	3111.2
11°	5359.9	4342.9	3430.0	3121.3	3023.9
12°	5366.6	4208.7	3319.3	2973.6	2839.3
13°	5383.3	4071.1	3191.7	2812.5	2654.8
14°	5386.7	3967.0	3074.3	2607.8	2443.3
15°	5373.3	3869.7	2950.1	2423.2	2228.5
16°	5366.6	3769.0	2802.4	2248.7	2074.1
17°	5380.0	3651.5	2634.6	2070.8	1909.7
18°	5383.3	3544.1	2456.7	1936.5	1795.6
19°	5383.3	3460.2	2312.4	1812.3	1691.5
20°	5383.3	3379.7	2164.7	1718.4	1614.3
21°	5376.6	3279.0	1996.9	1621.0	1533.8
22.5°	5380.0	3091.1	1805.6	1506.9	1436.5
23°	5369.9	3044.1	1758.6	1476.7	1402.9
24°	5373.3	2909.8	1658.0	1416.3	1345.8
25°	5376.6	2738.7	1560.6	1355.9	1292.1
26°	5369.9	2601.1	1480.1	1298.8	1255.2
27°	5353.1	2490.3	1423.0	1251.9	1211.6
28°	5329.6	2342.6	1362.6	1211.6	1174.7
29°	5306.2	2174.8	1302.2	1168.0	1141.1
30°	5292.7	2040.6	1245.2	1134.4	1110.9
32.5°	5212.2	1775.4	1127.7	1067.3	1047.1
35°	5061.2	1523.7	1043.8	1010.2	996.8
37.5°	4863.1	1329.1	980.0	973.3	976.7
40°	4537.6	1174.7	933.0	963.2	993.4
42.5°	4148.3	1053.8	899.5	973.3	1006.9
45°	3658.3	963.2	879.3	973.3	1006.9
47.5°	3114.6	889.4	855.8	939.7	973.3
50°	2570.9	822.3	808.8	889.4	919.6
52.5°	2090.9	758.5	748.4	825.6	855.8
55°	1678.1	688.0	678.0	761.9	792.1
57.5°	1345.8	620.9	610.8	688.0	718.2
60°	1074.0	553.8	537.0	614.2	644.4
62.5°	855.8	490.0	479.9	547.1	573.9
65°	671.2	432.9	426.2	486.6	503.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	530.3	379.3	382.6	432.9	453.1
70°	409.5	328.9	349.0	396.0	409.5
72.5°	308.8	278.6	322.2	362.5	379.3
75°	228.2	234.9	295.3	339.0	355.8
77.5°	157.7	194.7	271.9	318.8	335.6
80°	107.4	157.7	248.4	302.1	322.2
82.5°	63.8	130.9	228.2	285.3	308.8
85°	30.2	107.4	208.1	271.9	292.0
87.5°	10.1	87.3	187.9	258.4	275.2
90°	0.0	73.8	174.5	241.6	251.7
92.5°	0.0	63.8	157.7	221.5	228.2
95°	0.0	53.7	144.3	198.0	208.1
97.5°	0.0	50.3	134.2	177.9	191.3
100°	0.0	47.0	120.8	161.1	174.5
102.5°	0.0	40.3	107.4	144.3	157.7
105°	0.0	40.3	94.0	134.2	144.3
107.5°	3.4	36.9	87.3	120.8	134.2
110°	3.4	36.9	77.2	114.1	124.2
112.5°	3.4	36.9	73.8	104.0	117.5
115°	3.4	33.6	70.5	97.3	104.0
117.5°	3.4	33.6	67.1	87.3	94.0
120°	3.4	30.2	63.8	80.5	83.9
122.5°	3.4	30.2	60.4	73.8	77.2
125°	3.4	30.2	60.4	70.5	73.8
127.5°	3.4	26.8	57.1	67.1	67.1
130°	3.4	26.8	53.7	63.8	63.8
132.5°	3.4	23.5	50.3	60.4	63.8
135°	3.4	23.5	47.0	57.1	60.4
137.5°	3.4	20.1	43.6	53.7	57.1
140°	3.4	20.1	40.3	50.3	53.7
142.5°	3.4	16.8	36.9	47.0	50.3
145°	3.4	16.8	33.6	43.6	47.0
147.5°	3.4	16.8	30.2	40.3	43.6
150°	3.4	13.4	26.8	36.9	40.3
152.5°	3.4	13.4	23.5	33.6	36.9
155°	3.4	10.1	20.1	30.2	33.6
157.5°	3.4	10.1	20.1	26.8	30.2
160°	6.7	10.1	16.8	23.5	26.8
162.5°	3.4	6.7	16.8	20.1	23.5
165°	6.7	6.7	13.4	16.8	20.1
167.5°	6.7	6.7	10.1	13.4	16.8
170°	6.7	6.7	10.1	10.1	13.4
172.5°	6.7	6.7	6.7	10.1	6.7
175°	6.7	6.7	6.7	6.7	3.4
177.5°	6.7	6.7	6.7	6.7	3.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.7	6.7	6.7	6.7	6.7

(END OF REPORT)