

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: P567892

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567892  
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: 8SNX-62SL-LN-UNV-L840-CD  
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

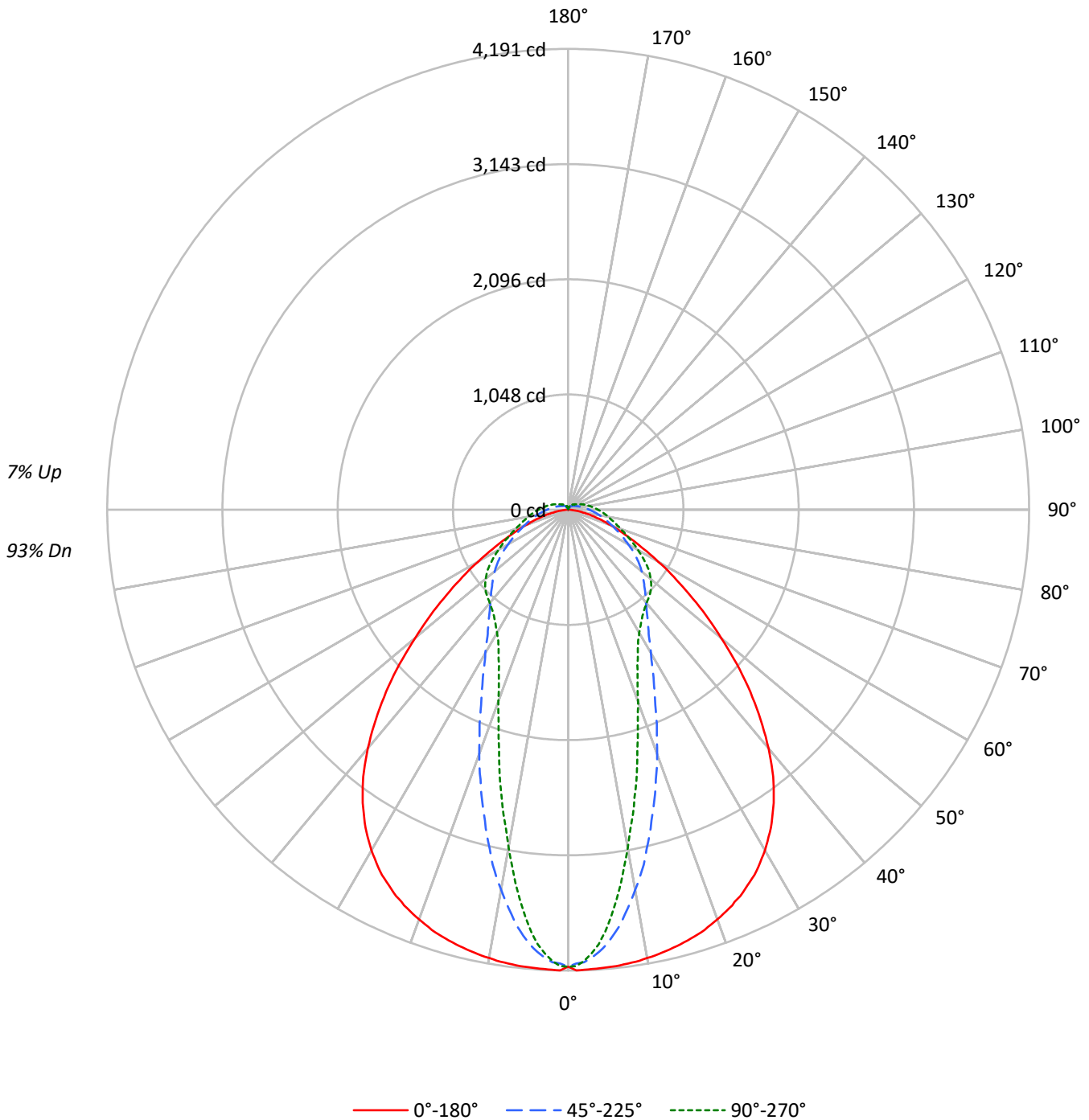
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6625.0 lumens  
Efficiency: N/A  
Efficacy: 169.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
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<sub>in</sub>): 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°	22368	22368	22368
5°	22525	20583	19674
10°	22535	17669	15264
15°	22566	14429	11440
20°	22539	11506	8562
25°	22380	9026	6795
30°	21960	7312	5796
35°	21090	6195	5272
40°	19563	5475	4990
45°	17448	5014	4836
50°	14836	4620	4568
55°	12244	4192	4172
60°	9848	3693	3660
65°	7703	3247	3185
70°	6046	2877	2817
75°	4756	2591	2566
80°	3465	2377	2386
85°	2080	2224	2288



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	368.0	5.6
10°-20°	862.7	13.0
20°-30°	1024.0	15.5
30°-40°	1030.3	15.6
40°-50°	957.7	14.5
50°-60°	788.6	11.9
60°-70°	555.7	8.4
70°-80°	363.1	5.5
80°-90°	231.8	3.5
90°-100°	152.0	2.3
100°-110°	103.2	1.6
110°-120°	70.7	1.1
120°-130°	48.9	0.7
130°-140°	32.9	0.5
140°-150°	20.3	0.3
150°-160°	10.5	0.2
160°-170°	3.8	0.1
170°-180°	0.7	0.0
0°-30°	2254.8	34.0
0°-40°	3285.1	49.6
0°-60°	5031.4	75.9
0°-90°	6181.9	93.3
90°-120°	326.0	4.9
90°-150°	428.1	6.5
90°-180°	443.0	6.7
0°-180°	6625.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4156	4156	4156	4156	4156	
5°	4177	4121	3972	3896	3854	398
15°	4073	3639	2927	2559	2420	1150
25°	3805	2812	1864	1566	1500	1751
35°	3257	1903	1264	1184	1177	2025
45°	2340	1253	979	1031	1059	1797
55°	1344	823	757	840	868	1214
65°	632	496	521	587	608	641
75°	246	257	351	413	430	267
85°	42	118	236	306	319	52
90°	0	80	191	260	271	2
95°	0	59	160	219	229	0
105°	0	42	108	153	167	0
115°	4	35	76	111	118	3
125°	4	28	62	80	87	3
135°	4	24	49	62	66	3
145°	4	17	35	49	52	2
155°	4	14	24	35	38	2
165°	4	7	14	17	21	1
175°	7	7	7	7	4	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4156.1	4156.1	4156.1	4156.1	4156.1
1°	4190.8	4173.4	4128.3	4159.5	4152.6
2°	4187.3	4169.9	4117.9	4131.8	4107.5
3°	4183.8	4159.5	4079.7	4076.2	4041.5
4°	4180.4	4142.2	4031.1	3989.4	3961.6
5°	4176.9	4121.3	3972.0	3895.7	3854.0
6°	4173.4	4097.0	3895.7	3781.1	3722.1
7°	4166.5	4058.8	3815.8	3659.6	3583.2
8°	4159.5	4024.1	3715.1	3527.6	3433.9
9°	4152.6	3979.0	3614.4	3385.3	3274.2
10°	4138.7	3933.8	3510.3	3239.4	3121.4
11°	4131.8	3881.8	3409.6	3100.6	2961.7
12°	4117.9	3826.2	3301.9	2954.7	2833.2
13°	4104.0	3767.2	3170.0	2829.7	2683.9
14°	4090.1	3704.7	3055.4	2690.8	2555.4
15°	4072.7	3638.7	2927.0	2558.9	2420.0
16°	4055.4	3562.3	2812.4	2423.5	2277.7
17°	4038.0	3489.4	2704.7	2298.5	2166.6
18°	4017.2	3416.5	2579.7	2177.0	2048.5
19°	3989.4	3333.2	2479.1	2065.9	1947.8
20°	3965.1	3256.8	2364.5	1961.7	1857.6
21°	3937.3	3163.1	2249.9	1864.5	1760.3
22.5°	3895.7	3031.1	2104.1	1743.0	1645.8
23°	3874.8	2992.9	2045.0	1697.8	1614.5
24°	3847.0	2892.2	1947.8	1628.4	1545.1
25°	3805.4	2812.4	1864.5	1565.9	1499.9
26°	3767.2	2715.2	1781.2	1510.3	1444.4
27°	3729.0	2621.4	1708.3	1451.3	1395.8
28°	3680.4	2524.2	1628.4	1402.7	1354.1
29°	3628.3	2433.9	1562.4	1361.0	1322.9
30°	3576.2	2333.2	1506.9	1322.9	1291.6
32.5°	3430.4	2111.0	1364.5	1249.9	1229.1
35°	3256.8	1902.7	1263.8	1184.0	1177.0
37.5°	3062.4	1711.7	1173.6	1131.9	1138.8
40°	2833.2	1538.1	1097.2	1093.7	1107.6
42.5°	2590.2	1388.8	1038.1	1062.5	1083.3
45°	2340.2	1253.4	979.1	1031.2	1059.0
47.5°	2079.8	1135.4	927.0	993.0	1024.3
50°	1815.9	1020.8	871.5	947.9	979.1
52.5°	1579.8	920.1	815.9	895.8	930.5
55°	1343.7	822.9	756.9	840.2	868.0
57.5°	1138.8	732.6	694.4	777.7	798.6
60°	947.9	645.8	631.9	708.3	732.6
62.5°	774.3	569.4	572.9	645.8	670.1
65°	631.9	496.5	520.8	586.8	607.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	513.9	427.1	468.7	538.2	555.5
70°	406.2	364.6	427.1	489.6	506.9
72.5°	322.9	309.0	385.4	451.4	465.3
75°	246.5	256.9	350.7	413.2	430.5
77.5°	177.1	215.3	316.0	381.9	395.8
80°	125.0	177.1	288.2	354.2	368.0
82.5°	79.9	145.8	260.4	329.8	343.7
85°	41.7	118.1	236.1	305.5	319.4
87.5°	17.4	97.2	211.8	281.2	295.1
90°	0.0	79.9	191.0	260.4	270.8
92.5°	0.0	69.4	173.6	239.6	250.0
95°	0.0	59.0	159.7	218.7	229.2
97.5°	0.0	55.6	142.4	201.4	211.8
100°	0.0	48.6	128.5	184.0	197.9
102.5°	0.0	45.1	118.1	166.7	180.5
105°	0.0	41.7	107.6	152.8	166.7
107.5°	0.0	38.2	100.7	142.4	152.8
110°	0.0	38.2	90.3	131.9	142.4
112.5°	3.5	34.7	83.3	118.1	128.5
115°	3.5	34.7	76.4	111.1	118.1
117.5°	3.5	34.7	72.9	100.7	107.6
120°	3.5	31.2	69.4	93.7	100.7
122.5°	3.5	31.2	66.0	86.8	90.3
125°	3.5	27.8	62.5	79.9	86.8
127.5°	3.5	27.8	59.0	76.4	79.9
130°	3.5	27.8	55.6	69.4	76.4
132.5°	3.5	24.3	52.1	66.0	69.4
135°	3.5	24.3	48.6	62.5	66.0
137.5°	3.5	20.8	45.1	59.0	62.5
140°	3.5	20.8	41.7	55.6	59.0
142.5°	3.5	17.4	38.2	52.1	55.6
145°	3.5	17.4	34.7	48.6	52.1
147.5°	3.5	17.4	31.2	45.1	48.6
150°	3.5	13.9	27.8	41.7	45.1
152.5°	3.5	13.9	24.3	38.2	41.7
155°	3.5	13.9	24.3	34.7	38.2
157.5°	3.5	10.4	20.8	27.8	34.7
160°	3.5	10.4	17.4	24.3	31.2
162.5°	3.5	10.4	17.4	20.8	24.3
165°	3.5	6.9	13.9	17.4	20.8
167.5°	3.5	6.9	10.4	13.9	17.4
170°	3.5	6.9	10.4	10.4	13.9
172.5°	3.5	6.9	6.9	6.9	6.9
175°	6.9	6.9	6.9	6.9	3.5
177.5°	6.9	6.9	6.9	3.5	3.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.5	3.5	3.5	3.5	3.5

(END OF REPORT)