

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: P567896

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567896  
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-L940-CD  
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

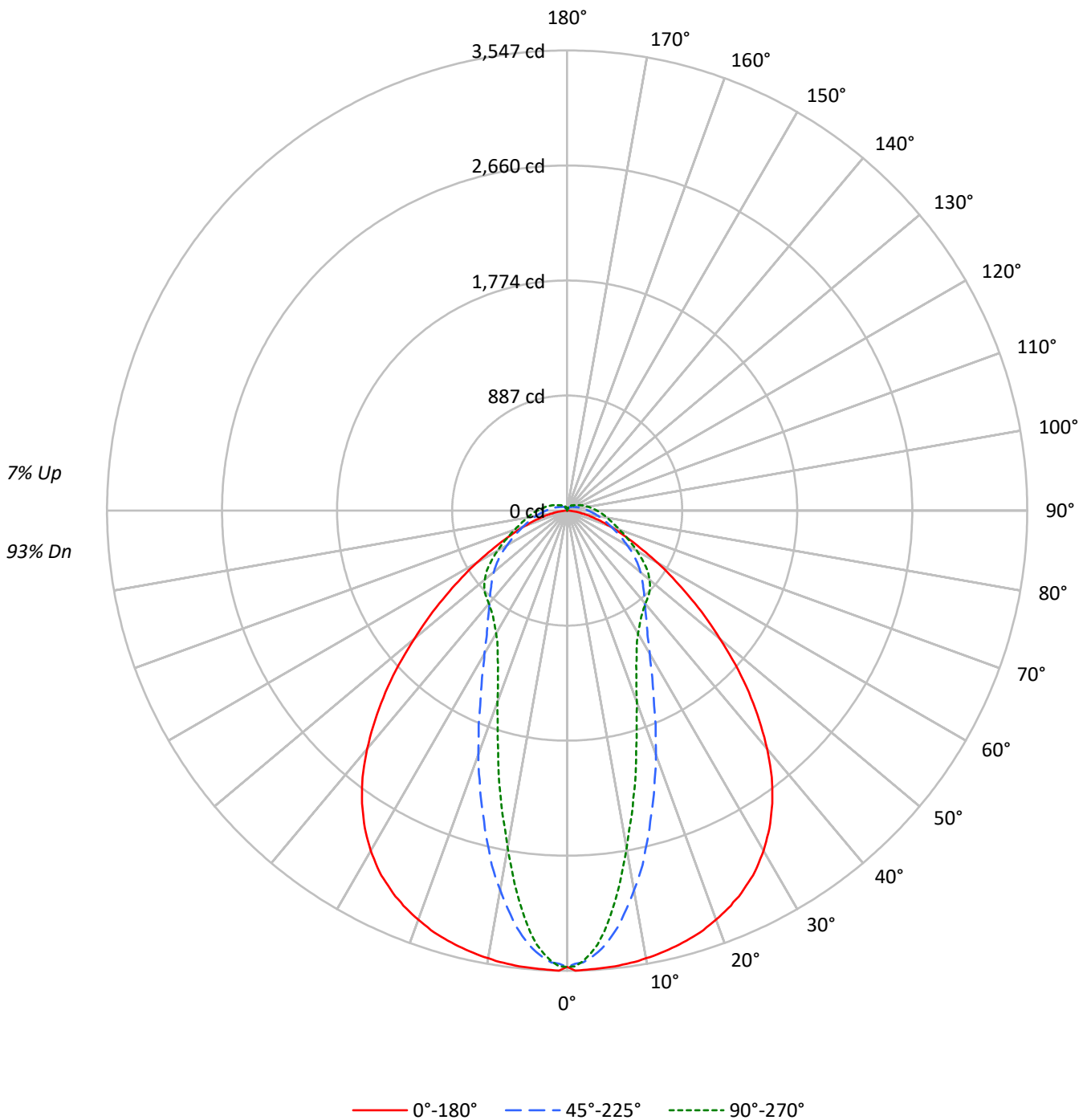
Lumens per Lamp: N/A  
Luminaire Lumens: 5607.0 lumens  
Efficiency: N/A  
Efficacy: 143.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 39  
Input Voltage (V): NR  
Input Current (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

TEST NUMBER: P567896

CATALOG NUMBER: 8SNX-62SL-LN-UNV-L940-CD

### 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	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°	18930	18930	18930
5°	19064	17421	16651
10°	19072	14954	12919
15°	19099	12212	9683
20°	19075	9738	7246
25°	18941	7639	5751
30°	18586	6188	4905
35°	17850	5243	4462
40°	16557	4634	4223
45°	14767	4244	4093
50°	12556	3910	3867
55°	10362	3548	3531
60°	8334	3125	3097
65°	6519	2748	2695
70°	5117	2435	2384
75°	4025	2193	2172
80°	2933	2012	2019
85°	1761	1882	1936



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CATALOG NUMBER: 8SNX-62SL-LN-UNV-L940-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	311.5	5.6
10°-20°	730.1	13.0
20°-30°	866.7	15.5
30°-40°	872.0	15.6
40°-50°	810.5	14.5
50°-60°	667.4	11.9
60°-70°	470.3	8.4
70°-80°	307.3	5.5
80°-90°	196.2	3.5
90°-100°	128.7	2.3
100°-110°	87.3	1.6
110°-120°	59.8	1.1
120°-130°	41.4	0.7
130°-140°	27.9	0.5
140°-150°	17.2	0.3
150°-160°	8.9	0.2
160°-170°	3.2	0.1
170°-180°	0.6	0.0
0°-30°	1908.3	34.0
0°-40°	2780.3	49.6
0°-60°	4258.3	75.9
0°-90°	5232.0	93.3
90°-120°	275.8	4.9
90°-150°	362.3	6.5
90°-180°	375.0	6.7
0°-180°	5607.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3517	3517	3517	3517	3517	
5°	3535	3488	3362	3297	3262	337
15°	3447	3080	2477	2166	2048	973
25°	3221	2380	1578	1325	1270	1482
35°	2756	1610	1070	1002	996	1714
45°	1981	1061	829	873	896	1521
55°	1137	696	641	711	735	1027
65°	535	420	441	497	514	543
75°	209	218	297	350	364	226
85°	35	100	200	259	270	44
90°	0	68	162	220	229	2
95°	0	50	135	185	194	0
105°	0	35	91	129	141	0
115°	3	29	65	94	100	3
125°	3	24	53	68	74	3
135°	3	21	41	53	56	2
145°	3	15	29	41	44	2
155°	3	12	21	29	32	1
165°	3	6	12	15	18	1
175°	6	6	6	6	3	0
180°	3	3	3	3	3	



TEST NUMBER: P567896

CATALOG NUMBER: 8SNX-62SL-LN-UNV-L940-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3517.4	3517.4	3517.4	3517.4	3517.4
1°	3546.8	3532.1	3493.9	3520.4	3514.5
2°	3543.9	3529.2	3485.1	3496.9	3476.3
3°	3540.9	3520.4	3452.8	3449.9	3420.5
4°	3538.0	3505.7	3411.7	3376.4	3352.9
5°	3535.1	3488.1	3361.7	3297.0	3261.8
6°	3532.1	3467.5	3297.0	3200.1	3150.1
7°	3526.3	3435.2	3229.5	3097.2	3032.6
8°	3520.4	3405.8	3144.2	2985.6	2906.2
9°	3514.5	3367.6	3059.0	2865.1	2771.0
10°	3502.7	3329.4	2970.9	2741.7	2641.8
11°	3496.9	3285.3	2885.7	2624.1	2506.6
12°	3485.1	3238.3	2794.6	2500.7	2397.9
13°	3473.4	3188.3	2682.9	2394.9	2271.5
14°	3461.6	3135.4	2585.9	2277.4	2162.8
15°	3446.9	3079.6	2477.2	2165.7	2048.2
16°	3432.2	3014.9	2380.2	2051.1	1927.7
17°	3417.5	2953.2	2289.1	1945.3	1833.7
18°	3399.9	2891.5	2183.3	1842.5	1733.7
19°	3376.4	2821.0	2098.1	1748.4	1648.5
20°	3355.8	2756.4	2001.1	1660.3	1572.1
21°	3332.3	2677.0	1904.2	1578.0	1489.8
22.5°	3297.0	2565.4	1780.8	1475.1	1392.9
23°	3279.4	2533.0	1730.8	1436.9	1366.4
24°	3255.9	2447.8	1648.5	1378.2	1307.7
25°	3220.6	2380.2	1578.0	1325.3	1269.5
26°	3188.3	2297.9	1507.5	1278.3	1222.4
27°	3156.0	2218.6	1445.8	1228.3	1181.3
28°	3114.9	2136.3	1378.2	1187.2	1146.0
29°	3070.8	2059.9	1322.3	1151.9	1119.6
30°	3026.7	1974.7	1275.3	1119.6	1093.1
32.5°	2903.3	1786.6	1154.8	1057.9	1040.2
35°	2756.4	1610.3	1069.6	1002.0	996.2
37.5°	2591.8	1448.7	993.2	958.0	963.8
40°	2397.9	1301.8	928.6	925.6	937.4
42.5°	2192.2	1175.4	878.6	899.2	916.8
45°	1980.6	1060.8	828.7	872.7	896.3
47.5°	1760.2	960.9	784.6	840.4	866.9
50°	1536.9	863.9	737.6	802.2	828.7
52.5°	1337.0	778.7	690.6	758.1	787.5
55°	1137.2	696.4	640.6	711.1	734.6
57.5°	963.8	620.0	587.7	658.2	675.9
60°	802.2	546.6	534.8	599.5	620.0
62.5°	655.3	481.9	484.9	546.6	567.1
65°	534.8	420.2	440.8	496.6	514.2



TEST NUMBER: P567896

CATALOG NUMBER: 8SNX-62SL-LN-UNV-L940-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	434.9	361.4	396.7	455.5	470.2
70°	343.8	308.5	361.4	414.3	429.0
72.5°	273.3	261.5	326.2	382.0	393.8
75°	208.6	217.5	296.8	349.7	364.4
77.5°	149.9	182.2	267.4	323.2	335.0
80°	105.8	149.9	243.9	299.7	311.5
82.5°	67.6	123.4	220.4	279.2	290.9
85°	35.3	99.9	199.8	258.6	270.3
87.5°	14.7	82.3	179.3	238.0	249.8
90°	0.0	67.6	161.6	220.4	229.2
92.5°	0.0	58.8	146.9	202.8	211.6
95°	0.0	50.0	135.2	185.1	193.9
97.5°	0.0	47.0	120.5	170.4	179.3
100°	0.0	41.1	108.7	155.7	167.5
102.5°	0.0	38.2	99.9	141.1	152.8
105°	0.0	35.3	91.1	129.3	141.1
107.5°	0.0	32.3	85.2	120.5	129.3
110°	0.0	32.3	76.4	111.7	120.5
112.5°	2.9	29.4	70.5	99.9	108.7
115°	2.9	29.4	64.6	94.0	99.9
117.5°	2.9	29.4	61.7	85.2	91.1
120°	2.9	26.4	58.8	79.3	85.2
122.5°	2.9	26.4	55.8	73.5	76.4
125°	2.9	23.5	52.9	67.6	73.5
127.5°	2.9	23.5	50.0	64.6	67.6
130°	2.9	23.5	47.0	58.8	64.6
132.5°	2.9	20.6	44.1	55.8	58.8
135°	2.9	20.6	41.1	52.9	55.8
137.5°	2.9	17.6	38.2	50.0	52.9
140°	2.9	17.6	35.3	47.0	50.0
142.5°	2.9	14.7	32.3	44.1	47.0
145°	2.9	14.7	29.4	41.1	44.1
147.5°	2.9	14.7	26.4	38.2	41.1
150°	2.9	11.8	23.5	35.3	38.2
152.5°	2.9	11.8	20.6	32.3	35.3
155°	2.9	11.8	20.6	29.4	32.3
157.5°	2.9	8.8	17.6	23.5	29.4
160°	2.9	8.8	14.7	20.6	26.4
162.5°	2.9	8.8	14.7	17.6	20.6
165°	2.9	5.9	11.8	14.7	17.6
167.5°	2.9	5.9	8.8	11.8	14.7
170°	2.9	5.9	8.8	8.8	11.8
172.5°	2.9	5.9	5.9	5.9	5.9
175°	5.9	5.9	5.9	5.9	2.9
177.5°	5.9	5.9	5.9	2.9	2.9



TEST NUMBER: P567896

CATALOG NUMBER: 8SNX-62SL-LN-UNV-L940-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)