

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: P567891

Luminaire Tested: **8SNX-62SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567891  
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-L835-CD  
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

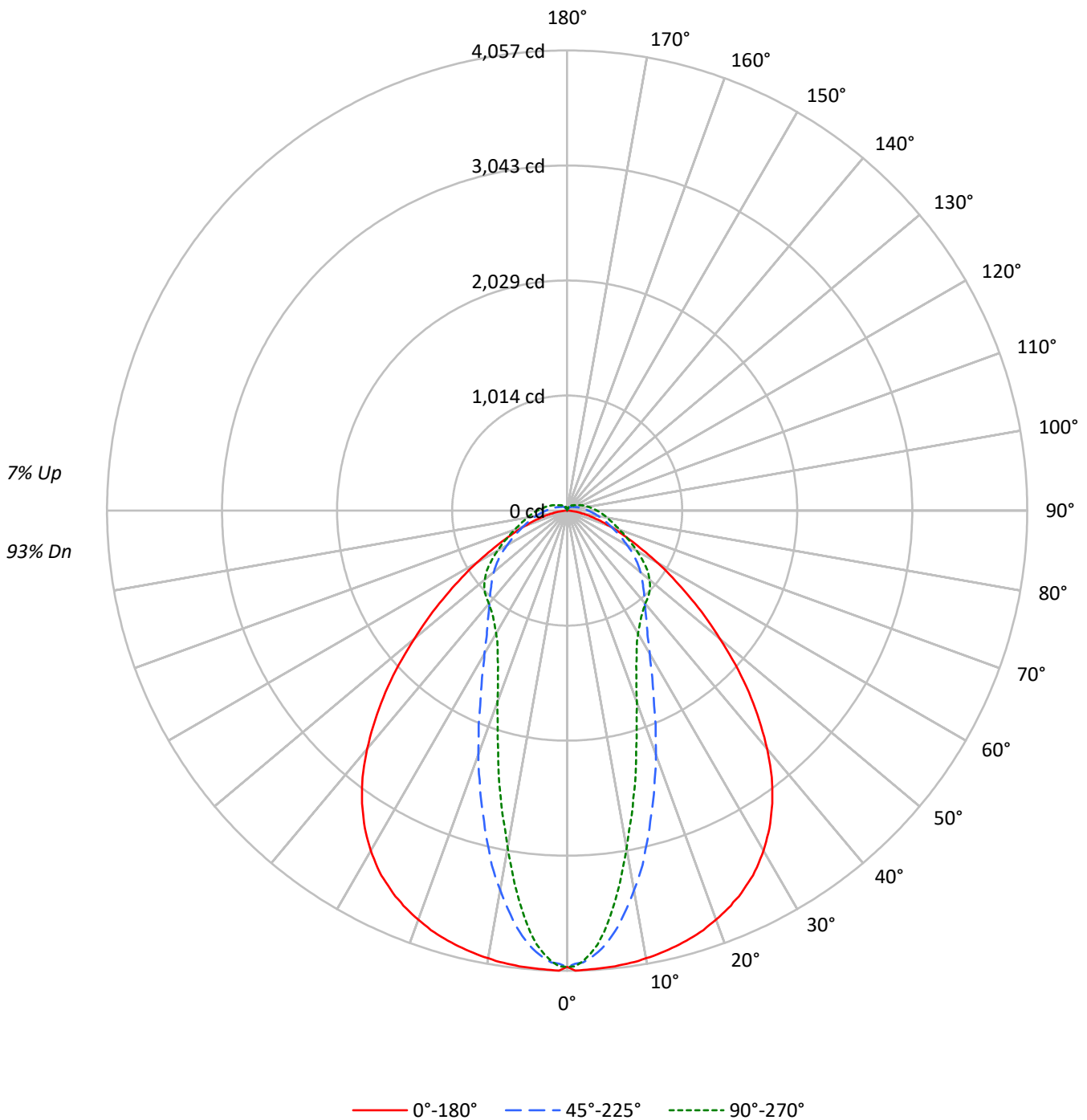
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6413.0 lumens  
Efficiency: N/A  
Efficacy: 164.4 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

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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	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°	21652	21652	21652
5°	21804	19925	19044
10°	21814	17103	14776
15°	21844	13967	11074
20°	21817	11138	8287
25°	21664	8737	6577
30°	21258	7078	5611
35°	20415	5997	5104
40°	18937	5300	4830
45°	16890	4854	4681
50°	14361	4472	4422
55°	11852	4058	4039
60°	9532	3574	3543
65°	7457	3143	3083
70°	5852	2785	2727
75°	4604	2508	2485
80°	3354	2302	2310
85°	2010	2152	2215



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	356.3	5.6
10°-20°	835.1	13.0
20°-30°	991.3	15.5
30°-40°	997.3	15.6
40°-50°	927.1	14.5
50°-60°	763.4	11.9
60°-70°	537.9	8.4
70°-80°	351.4	5.5
80°-90°	224.4	3.5
90°-100°	147.1	2.3
100°-110°	99.9	1.6
110°-120°	68.5	1.1
120°-130°	47.4	0.7
130°-140°	31.9	0.5
140°-150°	19.6	0.3
150°-160°	10.2	0.2
160°-170°	3.7	0.1
170°-180°	0.6	0.0
0°-30°	2182.6	34.0
0°-40°	3180.0	49.6
0°-60°	4870.4	75.9
0°-90°	5984.1	93.3
90°-120°	315.5	4.9
90°-150°	414.4	6.5
90°-180°	429.0	6.7
0°-180°	6413.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4023	4023	4023	4023	4023	
5°	4043	3990	3845	3771	3731	385
15°	3942	3522	2833	2477	2343	1113
25°	3684	2722	1805	1516	1452	1695
35°	3153	1842	1223	1146	1139	1961
45°	2265	1213	948	998	1025	1739
55°	1301	796	733	813	840	1175
65°	612	481	504	568	588	621
75°	239	249	340	400	417	258
85°	40	114	228	296	309	51
90°	0	77	185	252	262	2
95°	0	57	155	212	222	0
105°	0	40	104	148	161	0
115°	3	34	74	108	114	3
125°	3	27	60	77	84	3
135°	3	24	47	60	64	3
145°	3	17	34	47	50	2
155°	3	13	24	34	37	2
165°	3	7	13	17	20	1
175°	7	7	7	7	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4023.1	4023.1	4023.1	4023.1	4023.1
1°	4056.7	4039.9	3996.2	4026.4	4019.7
2°	4053.3	4036.5	3986.1	3999.5	3976.0
3°	4050.0	4026.4	3949.1	3945.8	3912.2
4°	4046.6	4009.6	3902.1	3861.7	3834.9
5°	4043.2	3989.5	3844.9	3771.0	3730.7
6°	4039.9	3965.9	3771.0	3660.1	3602.9
7°	4033.1	3929.0	3693.7	3542.4	3468.5
8°	4026.4	3895.4	3596.2	3414.7	3324.0
9°	4019.7	3851.7	3498.8	3276.9	3169.4
10°	4006.3	3808.0	3397.9	3135.8	3021.5
11°	3999.5	3757.6	3300.5	3001.3	2866.9
12°	3986.1	3703.8	3196.3	2860.2	2742.5
13°	3972.7	3646.6	3068.6	2739.2	2598.0
14°	3959.2	3586.1	2957.6	2604.7	2473.7
15°	3942.4	3522.3	2833.3	2477.0	2342.6
16°	3925.6	3448.3	2722.4	2345.9	2204.8
17°	3908.8	3377.8	2618.2	2225.0	2097.2
18°	3888.6	3307.2	2497.2	2107.3	1983.0
19°	3861.7	3226.5	2399.7	1999.8	1885.5
20°	3838.2	3152.6	2288.8	1898.9	1798.1
21°	3811.3	3061.8	2177.9	1804.8	1704.0
22.5°	3771.0	2934.1	2036.7	1687.2	1593.1
23°	3750.8	2897.1	1979.6	1643.5	1562.8
24°	3723.9	2799.7	1885.5	1576.3	1495.6
25°	3683.6	2722.4	1804.8	1515.8	1451.9
26°	3646.6	2628.3	1724.2	1462.0	1398.2
27°	3609.7	2537.5	1653.6	1404.9	1351.1
28°	3562.6	2443.4	1576.3	1357.8	1310.8
29°	3512.2	2356.0	1512.4	1317.5	1280.5
30°	3461.8	2258.6	1458.7	1280.5	1250.3
32.5°	3320.6	2043.5	1320.9	1209.9	1189.8
35°	3152.6	1841.8	1223.4	1146.1	1139.4
37.5°	2964.4	1657.0	1136.0	1095.7	1102.4
40°	2742.5	1488.9	1062.1	1058.7	1072.1
42.5°	2507.3	1344.4	1004.9	1028.5	1048.6
45°	2265.3	1213.3	947.8	998.2	1025.1
47.5°	2013.2	1099.0	897.4	961.2	991.5
50°	1757.8	988.1	843.6	917.5	947.8
52.5°	1529.2	890.7	789.8	867.1	900.7
55°	1300.7	796.5	732.7	813.4	840.2
57.5°	1102.4	709.2	672.2	752.9	773.0
60°	917.5	625.1	611.7	685.6	709.2
62.5°	749.5	551.2	554.6	625.1	648.7
65°	611.7	480.6	504.1	568.0	588.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	497.4	413.4	453.7	520.9	537.8
70°	393.2	352.9	413.4	473.9	490.7
72.5°	312.6	299.1	373.1	436.9	450.4
75°	238.6	248.7	339.5	400.0	416.8
77.5°	171.4	208.4	305.8	369.7	383.1
80°	121.0	171.4	279.0	342.8	356.3
82.5°	77.3	141.2	252.1	319.3	332.7
85°	40.3	114.3	228.5	295.8	309.2
87.5°	16.8	94.1	205.0	272.2	285.7
90°	0.0	77.3	184.9	252.1	262.2
92.5°	0.0	67.2	168.0	231.9	242.0
95°	0.0	57.1	154.6	211.7	221.8
97.5°	0.0	53.8	137.8	194.9	205.0
100°	0.0	47.1	124.4	178.1	191.6
102.5°	0.0	43.7	114.3	161.3	174.8
105°	0.0	40.3	104.2	147.9	161.3
107.5°	0.0	37.0	97.5	137.8	147.9
110°	0.0	37.0	87.4	127.7	137.8
112.5°	3.4	33.6	80.7	114.3	124.4
115°	3.4	33.6	73.9	107.6	114.3
117.5°	3.4	33.6	70.6	97.5	104.2
120°	3.4	30.2	67.2	90.7	97.5
122.5°	3.4	30.2	63.9	84.0	87.4
125°	3.4	26.9	60.5	77.3	84.0
127.5°	3.4	26.9	57.1	73.9	77.3
130°	3.4	26.9	53.8	67.2	73.9
132.5°	3.4	23.5	50.4	63.9	67.2
135°	3.4	23.5	47.1	60.5	63.9
137.5°	3.4	20.2	43.7	57.1	60.5
140°	3.4	20.2	40.3	53.8	57.1
142.5°	3.4	16.8	37.0	50.4	53.8
145°	3.4	16.8	33.6	47.1	50.4
147.5°	3.4	16.8	30.2	43.7	47.1
150°	3.4	13.4	26.9	40.3	43.7
152.5°	3.4	13.4	23.5	37.0	40.3
155°	3.4	13.4	23.5	33.6	37.0
157.5°	3.4	10.1	20.2	26.9	33.6
160°	3.4	10.1	16.8	23.5	30.2
162.5°	3.4	10.1	16.8	20.2	23.5
165°	3.4	6.7	13.4	16.8	20.2
167.5°	3.4	6.7	10.1	13.4	16.8
170°	3.4	6.7	10.1	10.1	13.4
172.5°	3.4	6.7	6.7	6.7	6.7
175°	6.7	6.7	6.7	6.7	3.4
177.5°	6.7	6.7	6.7	3.4	3.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)