

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: P567901

Luminaire Tested: **8SNX-62SL-LW-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567901  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-62SL-LW-UNV-L850-CD  
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

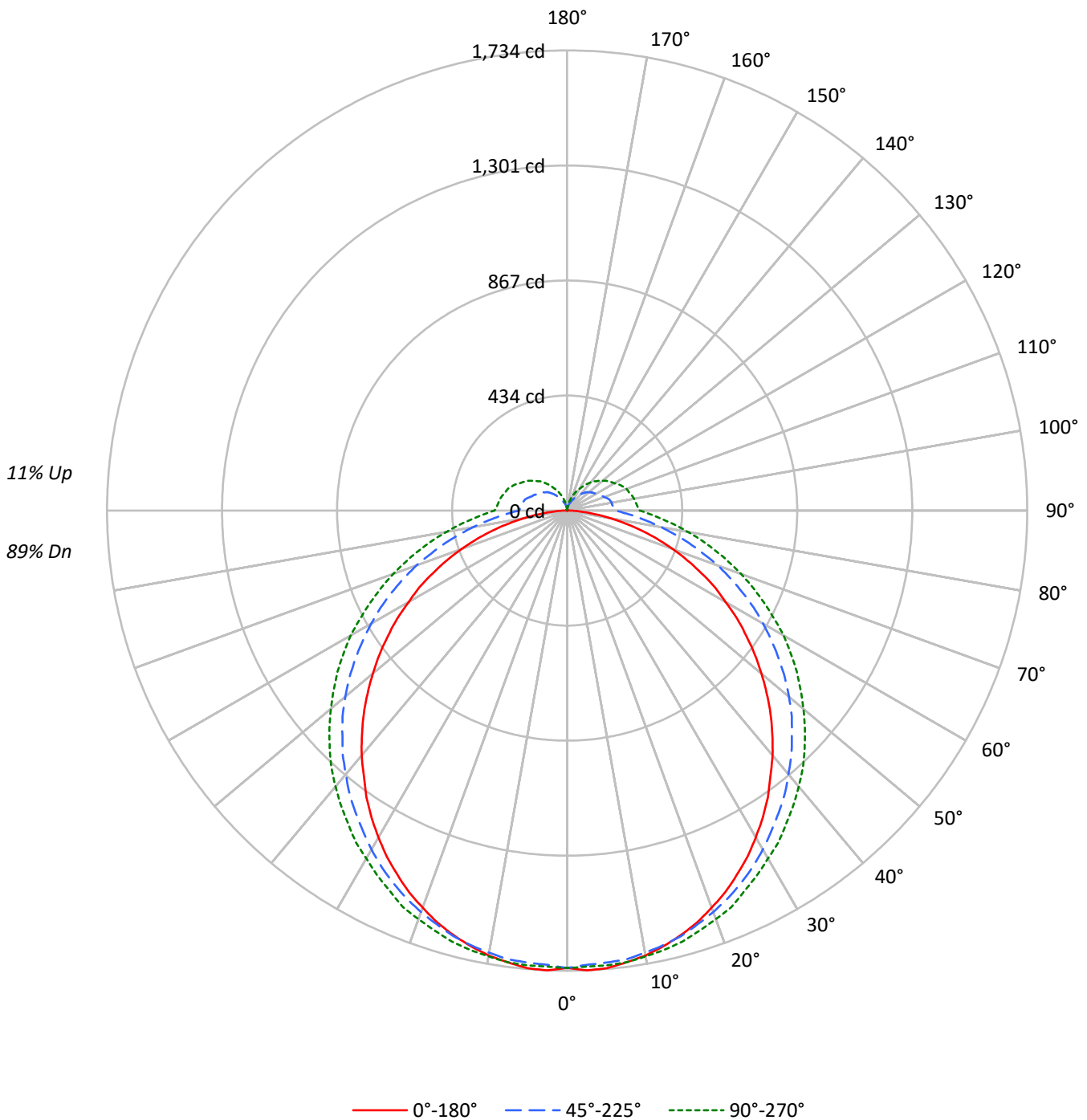
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6136.0 lumens  
Efficiency: N/A  
Efficacy: 157.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
CIE Type: Semi-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: P567901  
CATALOG NUMBER: 8SNX-62SL-LW-UNV-L850-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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	9276	9276	9276
5°	9333	8858	8781
10°	9269	8515	8342
15°	9176	8181	7947
20°	9050	7834	7551
25°	8904	7501	7164
30°	8729	7157	6793
35°	8538	6811	6447
40°	8319	6473	6116
45°	8081	6133	5778
50°	7811	5784	5422
55°	7513	5393	5073
60°	7162	4984	4705
65°	6802	4542	4284
70°	6294	4071	3871
75°	5622	3519	3432
80°	4532	2961	2995
85°	3192	2443	2546



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.7	2.7
10°-20°	470.6	7.7
20°-30°	715.5	11.7
30°-40°	868.6	14.2
40°-50°	917.8	15.0
50°-60°	858.8	14.0
60°-70°	704.7	11.5
70°-80°	484.7	7.9
80°-90°	265.4	4.3
90°-100°	170.9	2.8
100°-110°	153.4	2.5
110°-120°	127.0	2.1
120°-130°	97.8	1.6
130°-140°	68.7	1.1
140°-150°	41.4	0.7
150°-160°	19.8	0.3
160°-170°	6.5	0.1
170°-180°	0.8	0.0
0°-30°	1349.8	22.0
0°-40°	2218.3	36.2
0°-60°	3995.0	65.1
0°-90°	5449.8	88.8
90°-120°	451.3	7.4
90°-150°	659.1	10.7
90°-180°	686.0	11.2
0°-180°	6136.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1724	1724	1724	1724	1724	
5°	1731	1727	1709	1724	1720	164
15°	1656	1663	1660	1681	1681	467
25°	1514	1532	1550	1582	1582	698
35°	1318	1350	1390	1429	1439	824
45°	1084	1134	1198	1251	1265	835
55°	824	892	974	1034	1056	738
65°	558	633	728	796	817	553
75°	291	370	476	551	576	307
85°	64	153	259	330	355	74
90°	0	85	181	249	274	4
95°	0	82	174	238	263	0
105°	0	68	164	224	245	2
115°	4	60	139	199	224	4
125°	4	50	117	171	192	3
135°	4	39	96	139	156	3
145°	4	28	68	107	117	2
155°	4	18	43	68	78	2
165°	4	11	21	32	39	1
175°	4	4	7	7	4	0
180°	4	4	4	4	4	



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CATALOG NUMBER: 8SNX-62SL-LW-UNV-L850-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1723.6	1723.6	1723.6	1723.6	1723.6
2.5°	1734.3	1730.7	1713.0	1727.2	1720.1
5°	1730.7	1727.2	1709.4	1723.6	1720.1
7.5°	1716.5	1716.5	1705.8	1720.1	1716.5
10°	1702.3	1702.3	1691.6	1709.4	1705.8
12.5°	1681.0	1684.5	1677.4	1698.7	1695.2
15°	1656.1	1663.2	1659.6	1681.0	1681.0
17.5°	1627.7	1634.8	1634.8	1659.6	1659.6
20°	1592.1	1602.8	1609.9	1638.3	1638.3
22.5°	1556.6	1570.8	1581.5	1606.3	1617.0
25°	1513.9	1531.7	1549.5	1581.5	1581.5
27.5°	1471.3	1492.6	1513.9	1545.9	1549.5
30°	1421.5	1446.4	1474.8	1506.8	1513.9
32.5°	1371.8	1403.8	1432.2	1471.3	1482.0
35°	1318.5	1350.5	1389.6	1428.6	1439.3
37.5°	1258.1	1297.2	1346.9	1389.6	1400.2
40°	1204.8	1247.4	1297.2	1346.9	1357.6
42.5°	1144.3	1190.5	1251.0	1297.2	1314.9
45°	1083.9	1133.7	1197.6	1251.0	1265.2
47.5°	1020.0	1076.8	1147.9	1197.6	1215.4
50°	956.0	1016.4	1091.0	1147.9	1162.1
52.5°	892.0	956.0	1034.2	1091.0	1108.8
55°	824.5	892.0	973.8	1034.2	1055.5
57.5°	760.5	828.0	913.3	977.3	998.6
60°	689.4	767.6	852.9	916.9	941.8
62.5°	629.0	700.1	792.5	856.5	877.8
65°	558.0	632.6	728.5	796.1	817.4
67.5°	490.4	568.6	664.6	735.6	757.0
70°	422.9	501.1	604.2	671.7	696.6
72.5°	355.4	437.1	536.6	611.3	636.1
75°	291.4	369.6	476.2	550.8	575.7
77.5°	223.9	309.2	415.8	490.4	518.9
80°	163.5	252.3	358.9	433.6	462.0
82.5°	110.2	199.0	305.6	380.3	408.7
85°	64.0	152.8	259.4	330.5	355.4
87.5°	32.0	117.3	216.8	287.9	312.7
90°	0.0	85.3	181.2	248.8	273.6
92.5°	0.0	81.7	177.7	241.7	266.5
95°	0.0	81.7	174.1	238.1	263.0
97.5°	0.0	78.2	170.6	238.1	259.4
100°	0.0	74.6	170.6	234.6	255.9
102.5°	0.0	71.1	167.0	231.0	252.3
105°	0.0	67.5	163.5	223.9	245.2
107.5°	3.6	67.5	156.4	220.3	241.7
110°	3.6	64.0	149.3	216.8	238.1



TEST NUMBER: P567901

CATALOG NUMBER: 8SNX-62SL-LW-UNV-L850-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.6	60.4	142.2	209.7	231.0
115°	3.6	60.4	138.6	199.0	223.9
117.5°	3.6	56.9	131.5	191.9	216.8
120°	3.6	56.9	127.9	184.8	206.1
122.5°	3.6	53.3	120.8	177.7	199.0
125°	3.6	49.8	117.3	170.6	191.9
127.5°	3.6	46.2	113.7	163.5	184.8
130°	3.6	42.6	106.6	156.4	174.1
132.5°	3.6	42.6	103.1	145.7	167.0
135°	3.6	39.1	96.0	138.6	156.4
137.5°	3.6	35.5	88.8	131.5	149.3
140°	3.6	32.0	81.7	124.4	138.6
142.5°	3.6	32.0	74.6	113.7	127.9
145°	3.6	28.4	67.5	106.6	117.3
147.5°	3.6	24.9	60.4	96.0	106.6
150°	3.6	24.9	53.3	85.3	96.0
152.5°	3.6	21.3	46.2	78.2	88.8
155°	3.6	17.8	42.6	67.5	78.2
157.5°	3.6	17.8	35.5	56.9	67.5
160°	3.6	14.2	32.0	46.2	56.9
162.5°	3.6	14.2	28.4	39.1	49.8
165°	3.6	10.7	21.3	32.0	39.1
167.5°	3.6	10.7	17.8	24.9	32.0
170°	3.6	7.1	14.2	17.8	24.9
172.5°	3.6	7.1	10.7	10.7	10.7
175°	3.6	3.6	7.1	7.1	3.6
177.5°	3.6	3.6	3.6	3.6	3.6
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)