

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: P567877

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567877
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-62SL-FDL-UNV-L850-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

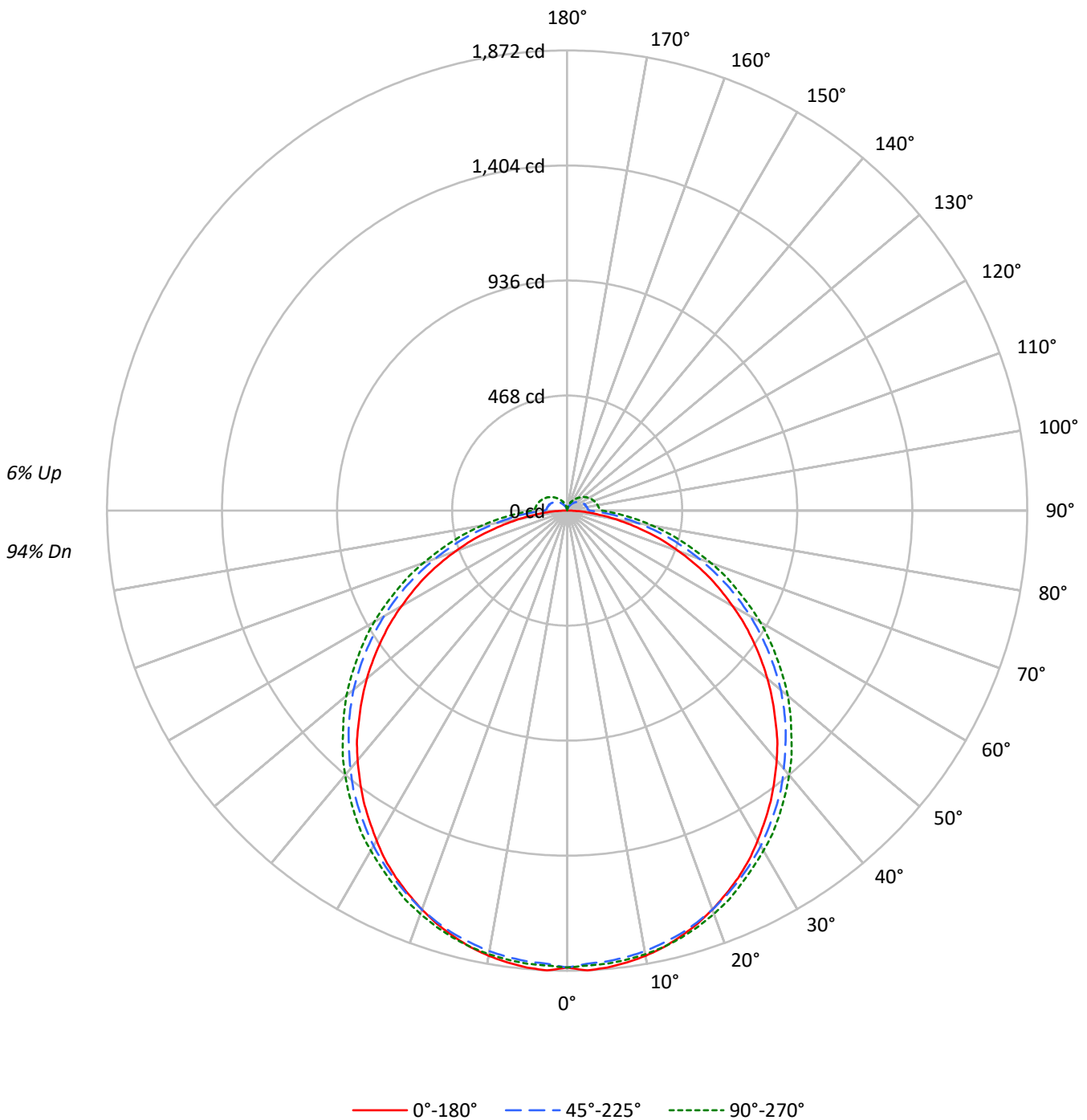
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5907.0 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10004	10004	10004
5°	10077	9841	9854
10°	10040	9738	9730
15°	9970	9619	9591
20°	9872	9472	9427
25°	9760	9312	9234
30°	9605	9148	9055
35°	9450	8956	8869
40°	9278	8743	8659
45°	9061	8533	8415
50°	8852	8293	8191
55°	8593	7995	7881
60°	8303	7655	7575
65°	7996	7249	7154
70°	7465	6737	6718
75°	6827	6136	6196
80°	5888	5335	5616
85°	4756	4650	4936



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.3	3.0
10°-20°	505.9	8.6
20°-30°	766.6	13.0
30°-40°	925.4	15.7
40°-50°	966.4	16.4
50°-60°	887.8	15.0
60°-70°	702.1	11.9
70°-80°	444.3	7.5
80°-90°	191.0	3.2
90°-100°	84.1	1.4
100°-110°	75.2	1.3
110°-120°	63.5	1.1
120°-130°	49.5	0.8
130°-140°	34.3	0.6
140°-150°	20.6	0.3
150°-160°	10.0	0.2
160°-170°	3.5	0.1
170°-180°	0.5	0.0
0°-30°	1448.7	24.5
0°-40°	2374.2	40.2
0°-60°	4228.3	71.6
0°-90°	5565.7	94.2
90°-120°	222.8	3.8
90°-150°	327.2	5.5
90°-180°	341.0	5.8
0°-180°	5907.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1859	1859	1859	1859	1859	
5°	1866	1861	1841	1857	1850	177
15°	1792	1792	1782	1801	1798	506
25°	1648	1655	1657	1679	1676	759
35°	1444	1460	1479	1502	1507	902
45°	1197	1226	1257	1281	1290	924
55°	923	960	1000	1032	1040	825
65°	635	670	718	751	763	625
75°	335	374	429	466	483	355
85°	82	126	180	219	232	90
90°	5	45	92	129	142	7
95°	1	39	84	117	130	1
105°	1	36	78	110	121	1
115°	1	30	71	99	110	1
125°	2	27	60	86	95	2
135°	2	21	48	68	76	2
145°	2	16	34	51	56	1
155°	2	10	22	32	39	1
165°	3	7	12	16	22	1
175°	3	4	5	5	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1858.8	1858.8	1858.8	1858.8	1858.8
2.5°	1872.4	1866.1	1845.2	1859.9	1852.5
5°	1866.1	1860.9	1841.0	1856.7	1850.5
7.5°	1854.6	1850.5	1832.7	1849.4	1843.1
10°	1838.9	1835.8	1820.1	1836.9	1832.7
12.5°	1819.1	1818.0	1802.3	1821.2	1818.0
15°	1791.9	1791.9	1782.5	1801.3	1798.2
17.5°	1762.6	1763.6	1756.3	1776.2	1774.1
20°	1727.0	1732.3	1727.0	1747.9	1745.8
22.5°	1688.3	1695.6	1693.5	1714.5	1715.5
25°	1647.5	1654.8	1656.9	1678.9	1675.8
27.5°	1602.5	1614.0	1618.2	1638.1	1637.1
30°	1550.2	1565.9	1575.3	1592.1	1597.3
32.5°	1496.9	1515.7	1527.2	1550.2	1556.5
35°	1443.5	1460.3	1479.1	1502.1	1507.4
37.5°	1385.0	1403.8	1428.9	1450.9	1457.1
40°	1326.4	1347.3	1371.4	1395.4	1404.8
42.5°	1265.7	1287.7	1313.8	1342.1	1351.5
45°	1196.7	1226.0	1257.3	1281.4	1289.8
47.5°	1130.8	1163.2	1196.7	1222.8	1232.2
50°	1063.8	1098.3	1133.9	1158.0	1172.6
52.5°	993.7	1031.4	1067.0	1097.3	1106.7
55°	922.6	960.3	1000.0	1032.4	1039.8
57.5°	853.6	890.2	929.9	960.3	974.9
60°	778.3	818.0	860.9	891.2	906.9
62.5°	705.0	743.7	789.8	822.2	834.7
65°	634.9	670.5	717.6	751.1	762.6
67.5°	557.5	598.3	643.3	682.0	696.7
70°	481.2	519.9	571.1	607.8	622.4
72.5°	410.0	447.7	499.0	535.6	549.2
75°	334.7	374.5	428.9	465.5	483.3
77.5°	262.6	306.5	358.8	398.5	418.4
80°	195.6	234.3	290.8	334.7	352.5
82.5°	132.8	174.7	233.3	274.1	293.9
85°	81.6	125.5	179.9	218.6	232.2
87.5°	38.7	80.5	130.8	168.4	185.1
90°	5.2	45.0	92.1	128.7	142.3
92.5°	1.0	38.7	84.7	119.2	131.8
95°	1.0	38.7	83.7	117.2	129.7
97.5°	1.0	37.7	82.6	116.1	127.6
100°	1.0	36.6	81.6	114.0	126.6
102.5°	1.0	36.6	79.5	111.9	123.4
105°	1.0	35.6	78.5	109.8	121.3
107.5°	1.0	34.5	76.4	107.7	119.2
110°	1.0	32.4	75.3	104.6	116.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	31.4	73.2	102.5	113.0
115°	1.0	30.3	71.1	99.4	109.8
117.5°	1.0	29.3	68.0	96.2	106.7
120°	2.1	29.3	65.9	93.1	102.5
122.5°	2.1	28.2	62.8	88.9	98.3
125°	2.1	27.2	59.6	85.8	95.2
127.5°	2.1	26.2	56.5	81.6	90.0
130°	2.1	24.1	54.4	77.4	85.8
132.5°	2.1	23.0	51.3	72.2	80.5
135°	2.1	20.9	48.1	68.0	76.4
137.5°	2.1	19.9	45.0	63.8	71.1
140°	2.1	18.8	40.8	59.6	66.9
142.5°	2.1	16.7	37.7	55.4	61.7
145°	2.1	15.7	33.5	51.3	56.5
147.5°	2.1	13.6	30.3	47.1	52.3
150°	2.1	12.6	27.2	42.9	48.1
152.5°	2.1	11.5	24.1	37.7	42.9
155°	2.1	10.5	22.0	32.4	38.7
157.5°	2.1	9.4	18.8	28.2	34.5
160°	3.1	8.4	16.7	24.1	29.3
162.5°	3.1	7.3	13.6	19.9	26.2
165°	3.1	7.3	11.5	15.7	22.0
167.5°	3.1	6.3	9.4	12.6	17.8
170°	3.1	5.2	8.4	9.4	13.6
172.5°	3.1	4.2	6.3	6.3	7.3
175°	3.1	4.2	5.2	5.2	3.1
177.5°	3.1	3.1	3.1	3.1	2.1
180°	3.1	3.1	3.1	3.1	3.1

(END OF REPORT)