

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: P567909

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567909  
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-SLW-UNV-L850-CD  
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

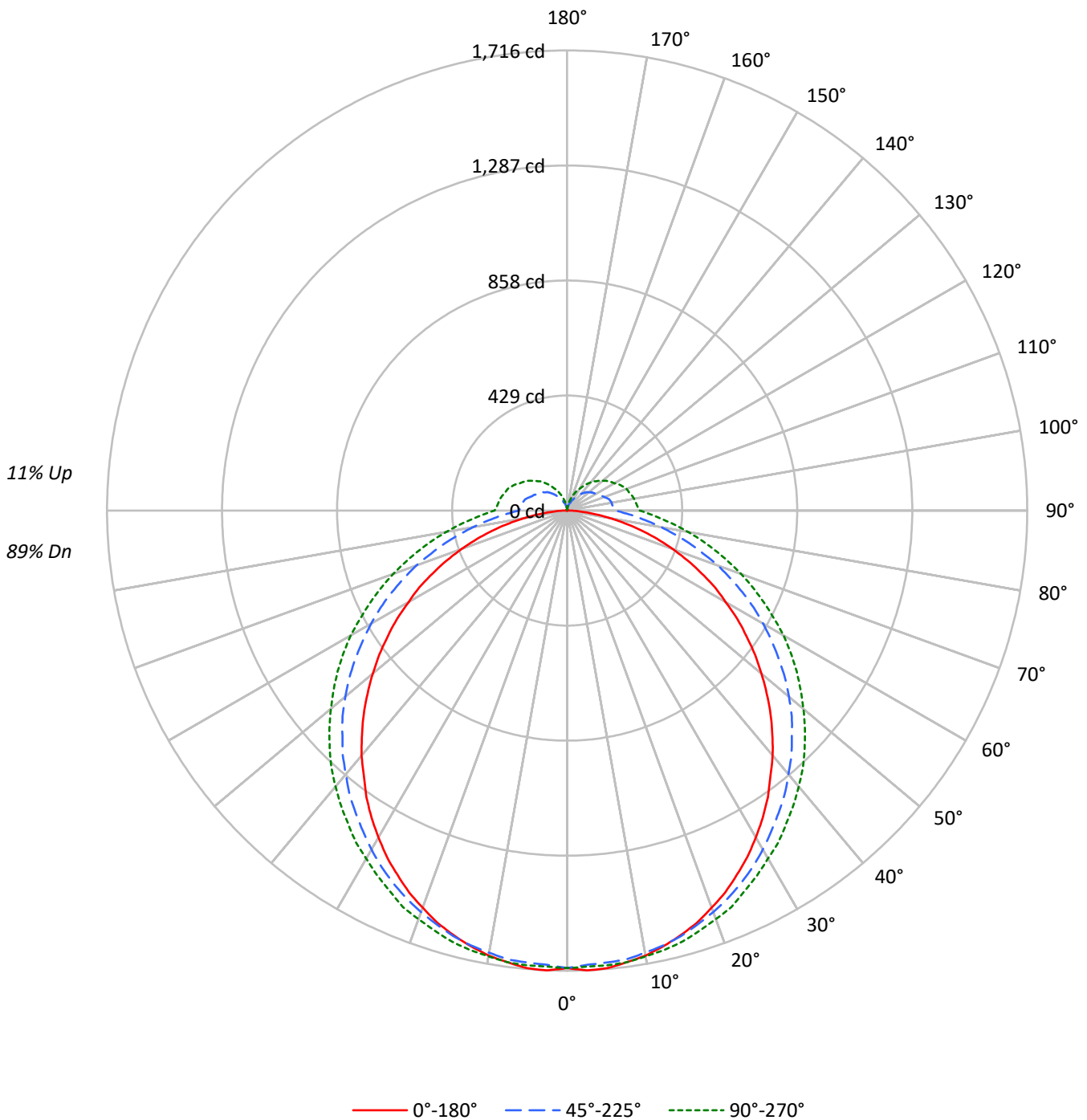
Lumens per Lamp: N/A  
Luminaire Lumens: 6073.0 lumens  
Efficiency: N/A  
Efficacy: 155.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
CIE Type: Semi-Direct

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	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°	9181	9181	9181
5°	9246	8951	8938
10°	9191	8775	8716
15°	9107	8595	8513
20°	8991	8387	8286
25°	8855	8183	8049
30°	8691	7959	7814
35°	8512	7726	7594
40°	8305	7497	7383
45°	8081	7264	7155
50°	7826	7017	6900
55°	7545	6720	6650
60°	7216	6402	6370
65°	6879	6045	6018
70°	6404	5651	5673
75°	5774	5149	5292
80°	4736	4641	4916
85°	3494	4209	4529



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.0	2.7
10°-20°	465.7	7.7
20°-30°	708.2	11.7
30°-40°	859.6	14.2
40°-50°	908.4	15.0
50°-60°	850.0	14.0
60°-70°	697.5	11.5
70°-80°	479.7	7.9
80°-90°	262.7	4.3
90°-100°	169.2	2.8
100°-110°	151.8	2.5
110°-120°	125.6	2.1
120°-130°	96.8	1.6
130°-140°	68.0	1.1
140°-150°	41.0	0.7
150°-160°	19.6	0.3
160°-170°	6.4	0.1
170°-180°	0.8	0.0
0°-30°	1335.9	22.0
0°-40°	2195.6	36.2
0°-60°	3954.0	65.1
0°-90°	5393.9	88.8
90°-120°	446.6	7.4
90°-150°	652.3	10.7
90°-180°	679.0	11.2
0°-180°	6073.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1706	1706	1706	1706	1706	
5°	1713	1709	1692	1706	1702	162
15°	1639	1646	1643	1664	1664	462
25°	1498	1516	1534	1565	1565	690
35°	1305	1337	1375	1414	1424	815
45°	1073	1122	1185	1238	1252	827
55°	816	883	964	1024	1045	730
65°	552	626	721	788	809	547
75°	288	366	471	545	570	304
85°	63	151	257	327	352	73
90°	0	84	179	246	271	4
95°	0	81	172	236	260	0
105°	0	67	162	222	243	2
115°	4	60	137	197	222	3
125°	4	49	116	169	190	3
135°	4	39	95	137	155	3
145°	4	28	67	106	116	2
155°	4	18	42	67	77	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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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1705.9	1705.9	1705.9	1705.9	1705.9
2.5°	1716.5	1713.0	1695.4	1709.4	1702.4
5°	1713.0	1709.4	1691.9	1705.9	1702.4
7.5°	1698.9	1698.9	1688.3	1702.4	1698.9
10°	1684.8	1684.8	1674.3	1691.9	1688.3
12.5°	1663.7	1667.2	1660.2	1681.3	1677.8
15°	1639.1	1646.1	1642.6	1663.7	1663.7
17.5°	1611.0	1618.0	1618.0	1642.6	1642.6
20°	1575.8	1586.3	1593.4	1621.5	1621.5
22.5°	1540.6	1554.7	1565.2	1589.8	1600.4
25°	1498.4	1516.0	1533.6	1565.2	1565.2
27.5°	1456.2	1477.3	1498.4	1530.1	1533.6
30°	1406.9	1431.6	1459.7	1491.4	1498.4
32.5°	1357.7	1389.4	1417.5	1456.2	1466.7
35°	1304.9	1336.6	1375.3	1414.0	1424.5
37.5°	1245.1	1283.8	1333.1	1375.3	1385.8
40°	1192.4	1234.6	1283.8	1333.1	1343.6
42.5°	1132.6	1178.3	1238.1	1283.8	1301.4
45°	1072.8	1122.0	1185.4	1238.1	1252.2
47.5°	1009.5	1065.8	1136.1	1185.4	1202.9
50°	946.2	1006.0	1079.8	1136.1	1150.2
52.5°	882.9	946.2	1023.6	1079.8	1097.4
55°	816.0	882.9	963.8	1023.6	1044.7
57.5°	752.7	819.5	904.0	967.3	988.4
60°	682.4	759.7	844.2	907.5	932.1
62.5°	622.6	692.9	784.4	847.7	868.8
65°	552.2	626.1	721.1	787.9	809.0
67.5°	485.4	562.8	657.7	728.1	749.2
70°	418.6	495.9	598.0	664.8	689.4
72.5°	351.7	432.6	531.1	605.0	629.6
75°	288.4	365.8	471.3	545.2	569.8
77.5°	221.6	306.0	411.5	485.4	513.5
80°	161.8	249.7	355.3	429.1	457.3
82.5°	109.0	197.0	302.5	376.4	404.5
85°	63.3	151.2	256.8	327.1	351.7
87.5°	31.7	116.1	214.6	284.9	309.5
90°	0.0	84.4	179.4	246.2	270.8
92.5°	0.0	80.9	175.9	239.2	263.8
95°	0.0	80.9	172.4	235.7	260.3
97.5°	0.0	77.4	168.8	235.7	256.8
100°	0.0	73.9	168.8	232.1	253.2
102.5°	0.0	70.3	165.3	228.6	249.7
105°	0.0	66.8	161.8	221.6	242.7
107.5°	3.5	66.8	154.8	218.1	239.2
110°	3.5	63.3	147.7	214.6	235.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.5	59.8	140.7	207.5	228.6
115°	3.5	59.8	137.2	197.0	221.6
117.5°	3.5	56.3	130.1	189.9	214.6
120°	3.5	56.3	126.6	182.9	204.0
122.5°	3.5	52.8	119.6	175.9	197.0
125°	3.5	49.2	116.1	168.8	189.9
127.5°	3.5	45.7	112.6	161.8	182.9
130°	3.5	42.2	105.5	154.8	172.4
132.5°	3.5	42.2	102.0	144.2	165.3
135°	3.5	38.7	95.0	137.2	154.8
137.5°	3.5	35.2	87.9	130.1	147.7
140°	3.5	31.7	80.9	123.1	137.2
142.5°	3.5	31.7	73.9	112.6	126.6
145°	3.5	28.1	66.8	105.5	116.1
147.5°	3.5	24.6	59.8	95.0	105.5
150°	3.5	24.6	52.8	84.4	95.0
152.5°	3.5	21.1	45.7	77.4	87.9
155°	3.5	17.6	42.2	66.8	77.4
157.5°	3.5	17.6	35.2	56.3	66.8
160°	3.5	14.1	31.7	45.7	56.3
162.5°	3.5	14.1	28.1	38.7	49.2
165°	3.5	10.6	21.1	31.7	38.7
167.5°	3.5	10.6	17.6	24.6	31.7
170°	3.5	7.0	14.1	17.6	24.6
172.5°	3.5	7.0	10.6	10.6	10.6
175°	3.5	3.5	7.0	7.0	3.5
177.5°	3.5	3.5	3.5	3.5	3.5
180°	3.5	3.5	3.5	3.5	3.5

(END OF REPORT)