

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: P567904

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567904  
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-L940-CD  
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

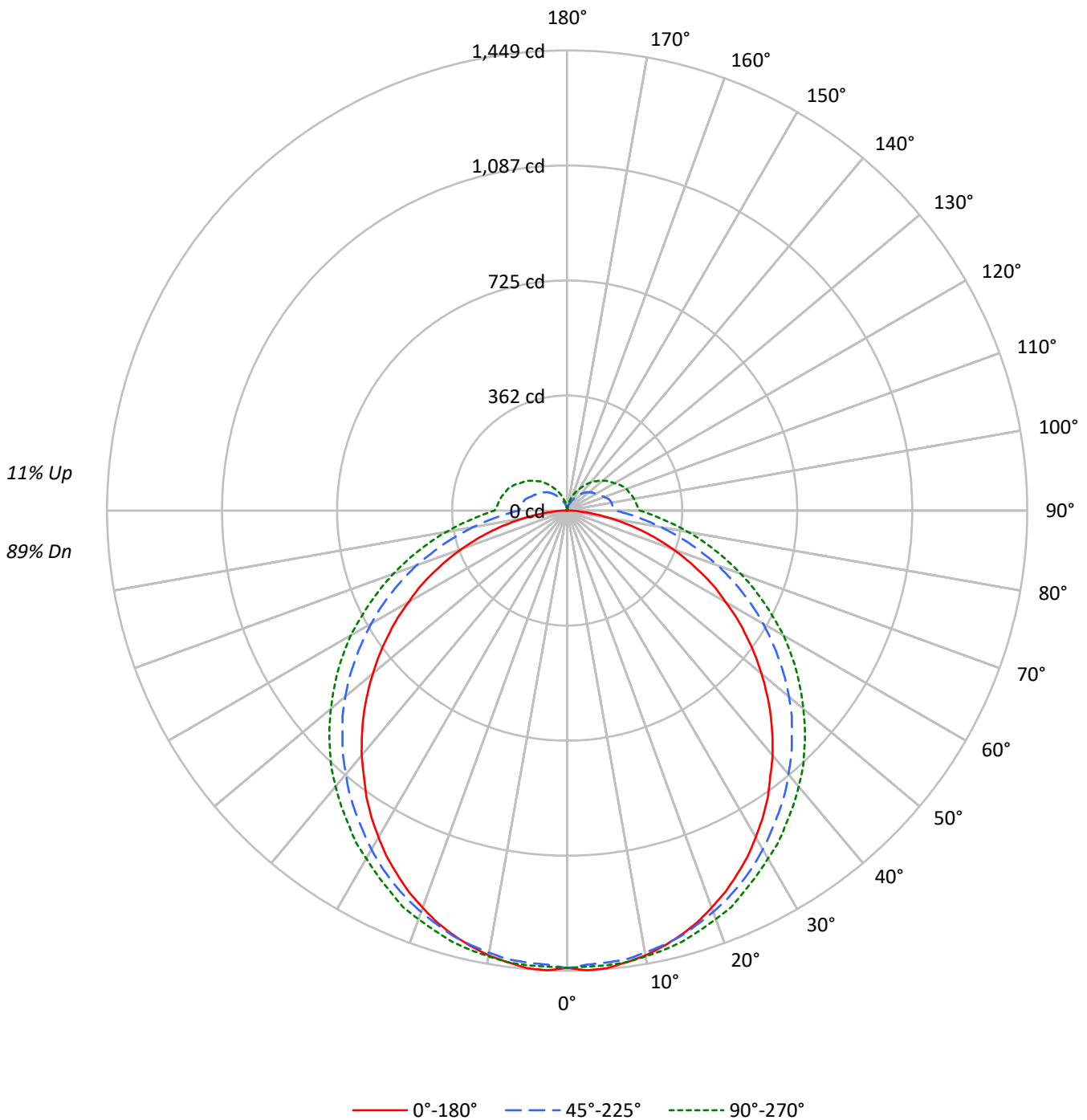
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5127.0 lumens  
Efficiency: N/A  
Efficacy: 131.5 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 (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	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°	7751	7751	7751
5°	7798	7402	7337
10°	7745	7115	6970
15°	7667	6836	6640
20°	7562	6546	6309
25°	7440	6268	5986
30°	7294	5980	5676
35°	7134	5691	5387
40°	6951	5409	5110
45°	6753	5125	4827
50°	6526	4833	4530
55°	6277	4506	4239
60°	5985	4165	3931
65°	5683	3795	3580
70°	5260	3401	3234
75°	4698	2940	2868
80°	3786	2474	2502
85°	2668	2042	2127



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.8	2.7
10°-20°	393.2	7.7
20°-30°	597.8	11.7
30°-40°	725.7	14.2
40°-50°	766.9	15.0
50°-60°	717.6	14.0
60°-70°	588.8	11.5
70°-80°	405.0	7.9
80°-90°	221.8	4.3
90°-100°	142.8	2.8
100°-110°	128.2	2.5
110°-120°	106.1	2.1
120°-130°	81.7	1.6
130°-140°	57.4	1.1
140°-150°	34.6	0.7
150°-160°	16.6	0.3
160°-170°	5.4	0.1
170°-180°	0.6	0.0
0°-30°	1127.8	22.0
0°-40°	1853.6	36.2
0°-60°	3338.1	65.1
0°-90°	4553.6	88.8
90°-120°	377.1	7.4
90°-150°	550.7	10.7
90°-180°	573.0	11.2
0°-180°	5127.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1440	1440	1440	1440	1440	
5°	1446	1443	1428	1440	1437	137
15°	1384	1390	1387	1405	1405	390
25°	1265	1280	1295	1321	1321	583
35°	1102	1128	1161	1194	1203	688
45°	906	947	1001	1045	1057	698
55°	689	745	814	864	882	617
65°	466	529	609	665	683	462
75°	244	309	398	460	481	256
85°	54	128	217	276	297	62
90°	0	71	151	208	229	4
95°	0	68	146	199	220	0
105°	0	56	137	187	205	2
115°	3	50	116	166	187	3
125°	3	42	98	142	160	3
135°	3	33	80	116	131	2
145°	3	24	56	89	98	2
155°	3	15	36	56	65	1
165°	3	9	18	27	33	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1440.2	1440.2	1440.2	1440.2	1440.2
2.5°	1449.1	1446.1	1431.3	1443.2	1437.2
5°	1446.1	1443.2	1428.3	1440.2	1437.2
7.5°	1434.2	1434.2	1425.3	1437.2	1434.2
10°	1422.4	1422.4	1413.5	1428.3	1425.3
12.5°	1404.6	1407.5	1401.6	1419.4	1416.4
15°	1383.8	1389.7	1386.7	1404.6	1404.6
17.5°	1360.0	1365.9	1365.9	1386.7	1386.7
20°	1330.3	1339.2	1345.2	1368.9	1368.9
22.5°	1300.6	1312.5	1321.4	1342.2	1351.1
25°	1265.0	1279.8	1294.7	1321.4	1321.4
27.5°	1229.4	1247.2	1265.0	1291.7	1294.7
30°	1187.8	1208.6	1232.3	1259.0	1265.0
32.5°	1146.2	1172.9	1196.7	1229.4	1238.3
35°	1101.7	1128.4	1161.1	1193.7	1202.6
37.5°	1051.2	1083.9	1125.4	1161.1	1170.0
40°	1006.6	1042.3	1083.9	1125.4	1134.3
42.5°	956.2	994.8	1045.2	1083.9	1098.7
45°	905.7	947.3	1000.7	1045.2	1057.1
47.5°	852.2	899.7	959.1	1000.7	1015.6
50°	798.8	849.3	911.6	959.1	971.0
52.5°	745.3	798.8	864.1	911.6	926.5
55°	688.9	745.3	813.6	864.1	881.9
57.5°	635.5	691.9	763.2	816.6	834.4
60°	576.1	641.4	712.7	766.1	786.9
62.5°	525.6	585.0	662.2	715.6	733.5
65°	466.2	528.6	608.7	665.2	683.0
67.5°	409.8	475.1	555.3	614.7	632.5
70°	353.4	418.7	504.8	561.2	582.0
72.5°	296.9	365.2	448.4	510.7	531.5
75°	243.5	308.8	397.9	460.3	481.1
77.5°	187.1	258.3	347.4	409.8	433.5
80°	136.6	210.8	299.9	362.3	386.0
82.5°	92.1	166.3	255.4	317.7	341.5
85°	53.5	127.7	216.8	276.2	296.9
87.5°	26.7	98.0	181.1	240.5	261.3
90°	0.0	71.3	151.4	207.9	228.6
92.5°	0.0	68.3	148.5	201.9	222.7
95°	0.0	68.3	145.5	199.0	219.7
97.5°	0.0	65.3	142.5	199.0	216.8
100°	0.0	62.4	142.5	196.0	213.8
102.5°	0.0	59.4	139.6	193.0	210.8
105°	0.0	56.4	136.6	187.1	204.9
107.5°	3.0	56.4	130.7	184.1	201.9
110°	3.0	53.5	124.7	181.1	199.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	50.5	118.8	175.2	193.0
115°	3.0	50.5	115.8	166.3	187.1
117.5°	3.0	47.5	109.9	160.4	181.1
120°	3.0	47.5	106.9	154.4	172.2
122.5°	3.0	44.5	101.0	148.5	166.3
125°	3.0	41.6	98.0	142.5	160.4
127.5°	3.0	38.6	95.0	136.6	154.4
130°	3.0	35.6	89.1	130.7	145.5
132.5°	3.0	35.6	86.1	121.7	139.6
135°	3.0	32.7	80.2	115.8	130.7
137.5°	3.0	29.7	74.2	109.9	124.7
140°	3.0	26.7	68.3	103.9	115.8
142.5°	3.0	26.7	62.4	95.0	106.9
145°	3.0	23.8	56.4	89.1	98.0
147.5°	3.0	20.8	50.5	80.2	89.1
150°	3.0	20.8	44.5	71.3	80.2
152.5°	3.0	17.8	38.6	65.3	74.2
155°	3.0	14.8	35.6	56.4	65.3
157.5°	3.0	14.8	29.7	47.5	56.4
160°	3.0	11.9	26.7	38.6	47.5
162.5°	3.0	11.9	23.8	32.7	41.6
165°	3.0	8.9	17.8	26.7	32.7
167.5°	3.0	8.9	14.8	20.8	26.7
170°	3.0	5.9	11.9	14.8	20.8
172.5°	3.0	5.9	8.9	8.9	8.9
175°	3.0	3.0	5.9	5.9	3.0
177.5°	3.0	3.0	3.0	3.0	3.0
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)