

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: P567849

Luminaire Tested: **8SNX-52SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567849
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-52SL-LN-UNV-L950-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

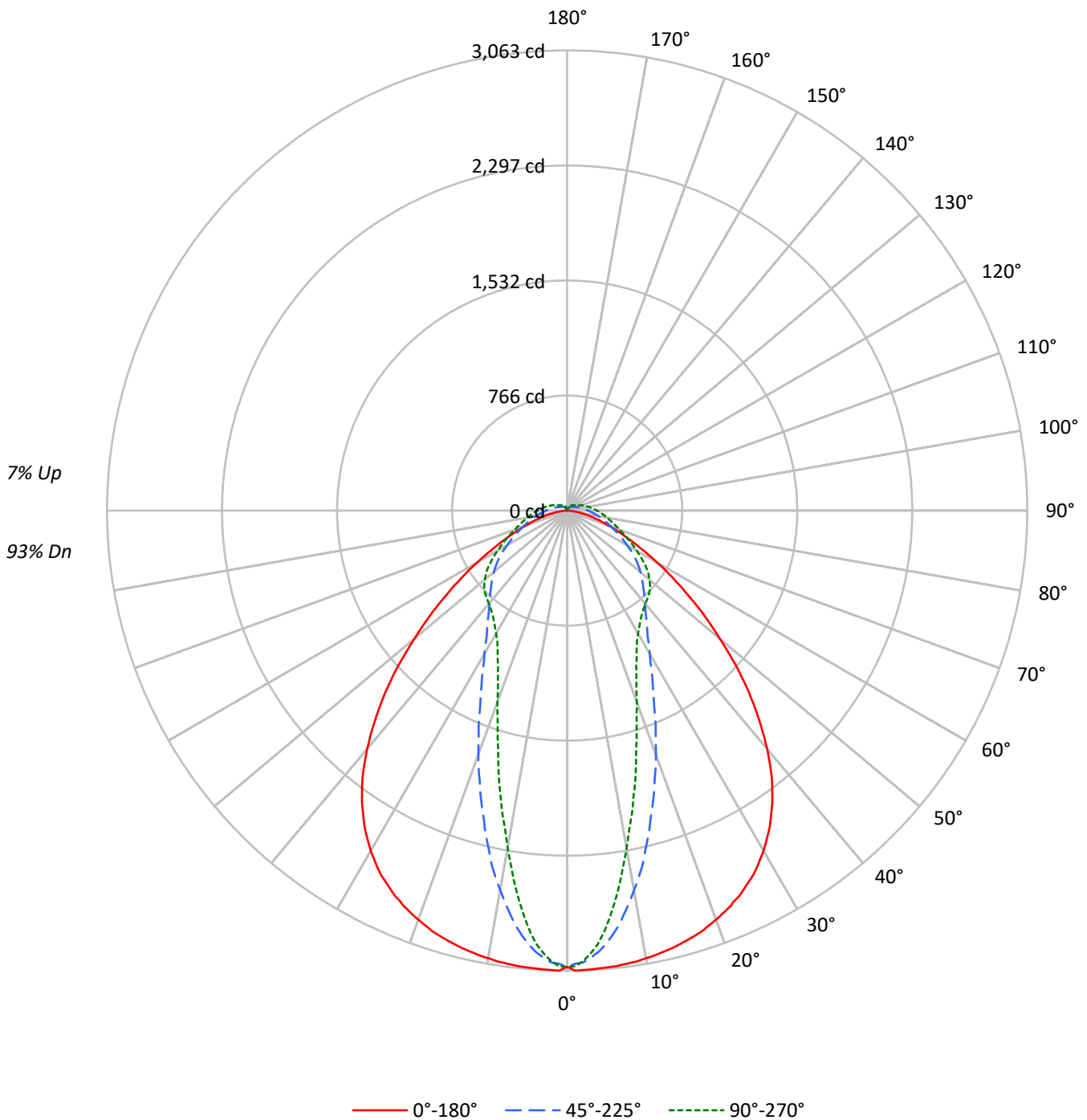
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4842.0 lumens
Efficiency: N/A
Efficacy: 147.6 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): 32.8
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: P567849
CATALOG NUMBER: 8SNX-52SL-LN-UNV-L950-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	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°	16348	16348	16348
5°	16463	15044	14379
10°	16470	12913	11156
15°	16493	10546	8361
20°	16473	8409	6257
25°	16357	6597	4966
30°	16050	5344	4236
35°	15414	4528	3853
40°	14298	4002	3647
45°	12753	3665	3535
50°	10843	3376	3339
55°	8949	3064	3049
60°	7198	2699	2675
65°	5629	2373	2328
70°	4419	2103	2059
75°	3477	1894	1876
80°	2533	1737	1744
85°	1521	1626	1673



TEST NUMBER: P567849

CATALOG NUMBER: 8SNX-52SL-LN-UNV-L950-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.0	5.6
10°-20°	630.5	13.0
20°-30°	748.4	15.5
30°-40°	753.0	15.6
40°-50°	700.0	14.5
50°-60°	576.4	11.9
60°-70°	406.1	8.4
70°-80°	265.3	5.5
80°-90°	169.4	3.5
90°-100°	111.1	2.3
100°-110°	75.4	1.6
110°-120°	51.7	1.1
120°-130°	35.8	0.7
130°-140°	24.1	0.5
140°-150°	14.8	0.3
150°-160°	7.7	0.2
160°-170°	2.8	0.1
170°-180°	0.5	0.0
0°-30°	1648.0	34.0
0°-40°	2401.0	49.6
0°-60°	3677.3	75.9
0°-90°	4518.2	93.3
90°-120°	238.2	4.9
90°-150°	312.9	6.5
90°-180°	324.0	6.7
0°-180°	4842.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3038	3038	3038	3038	3038	
5°	3053	3012	2903	2847	2817	291
15°	2977	2659	2139	1870	1769	841
25°	2781	2056	1363	1144	1096	1280
35°	2380	1391	924	865	860	1480
45°	1710	916	716	754	774	1313
55°	982	601	553	614	634	887
65°	462	363	381	429	444	469
75°	180	188	256	302	315	195
85°	30	86	173	223	234	38
90°	0	58	140	190	198	2
95°	0	43	117	160	168	0
105°	0	30	79	112	122	0
115°	2	25	56	81	86	2
125°	2	20	46	58	63	2
135°	2	18	36	46	48	2
145°	2	13	25	36	38	2
155°	2	10	18	25	28	1
165°	2	5	10	13	15	1
175°	5	5	5	5	2	0
180°	2	2	2	2	2	



TEST NUMBER: P567849

CATALOG NUMBER: 8SNX-52SL-LN-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3037.5	3037.5	3037.5	3037.5	3037.5
1°	3062.9	3050.2	3017.2	3040.1	3035.0
2°	3060.4	3047.7	3009.6	3019.8	3002.0
3°	3057.8	3040.1	2981.7	2979.2	2953.8
4°	3055.3	3027.4	2946.2	2915.7	2895.4
5°	3052.8	3012.2	2903.0	2847.2	2816.8
6°	3050.2	2994.4	2847.2	2763.5	2720.3
7°	3045.1	2966.5	2788.8	2674.7	2618.8
8°	3040.1	2941.1	2715.3	2578.2	2509.7
9°	3035.0	2908.1	2641.7	2474.2	2393.0
10°	3024.8	2875.1	2565.5	2367.6	2281.3
11°	3019.8	2837.1	2491.9	2266.1	2164.6
12°	3009.6	2796.5	2413.3	2159.5	2070.7
13°	2999.5	2753.3	2316.8	2068.2	1961.6
14°	2989.3	2707.6	2233.1	1966.7	1867.7
15°	2976.6	2659.4	2139.2	1870.2	1768.7
16°	2963.9	2603.6	2055.5	1771.3	1664.7
17°	2951.3	2550.3	1976.8	1679.9	1583.5
18°	2936.0	2497.0	1885.5	1591.1	1497.2
19°	2915.7	2436.1	1811.9	1509.9	1423.6
20°	2898.0	2380.3	1728.1	1433.8	1357.6
21°	2877.7	2311.8	1644.4	1362.7	1286.6
22.5°	2847.2	2215.3	1537.8	1273.9	1202.8
23°	2832.0	2187.4	1494.7	1240.9	1180.0
24°	2811.7	2113.8	1423.6	1190.1	1129.2
25°	2781.2	2055.5	1362.7	1144.5	1096.3
26°	2753.3	1984.4	1301.8	1103.9	1055.7
27°	2725.4	1915.9	1248.5	1060.7	1020.1
28°	2689.9	1844.9	1190.1	1025.2	989.7
29°	2651.8	1778.9	1141.9	994.7	966.8
30°	2613.7	1705.3	1101.3	966.8	944.0
32.5°	2507.2	1542.9	997.3	913.5	898.3
35°	2380.3	1390.6	923.7	865.3	860.3
37.5°	2238.2	1251.0	857.7	827.3	832.3
40°	2070.7	1124.2	801.9	799.4	809.5
42.5°	1893.1	1015.0	758.7	776.5	791.7
45°	1710.4	916.1	715.6	753.7	774.0
47.5°	1520.0	829.8	677.5	725.8	748.6
50°	1327.2	746.1	636.9	692.8	715.6
52.5°	1154.6	672.5	596.3	654.7	680.1
55°	982.1	601.4	553.2	614.1	634.4
57.5°	832.3	535.4	507.5	568.4	583.7
60°	692.8	472.0	461.8	517.7	535.4
62.5°	565.9	416.2	418.7	472.0	489.8
65°	461.8	362.9	380.6	428.9	444.1



TEST NUMBER: P567849

CATALOG NUMBER: 8SNX-52SL-LN-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	375.6	312.1	342.6	393.3	406.0
70°	296.9	266.5	312.1	357.8	370.5
72.5°	236.0	225.8	281.7	329.9	340.0
75°	180.2	187.8	256.3	302.0	314.7
77.5°	129.4	157.3	230.9	279.1	289.3
80°	91.4	129.4	210.6	258.8	269.0
82.5°	58.4	106.6	190.3	241.1	251.2
85°	30.5	86.3	172.6	223.3	233.5
87.5°	12.7	71.1	154.8	205.5	215.7
90°	0.0	58.4	139.6	190.3	197.9
92.5°	0.0	50.8	126.9	175.1	182.7
95°	0.0	43.1	116.7	159.9	167.5
97.5°	0.0	40.6	104.0	147.2	154.8
100°	0.0	35.5	93.9	134.5	144.6
102.5°	0.0	33.0	86.3	121.8	132.0
105°	0.0	30.5	78.7	111.7	121.8
107.5°	0.0	27.9	73.6	104.0	111.7
110°	0.0	27.9	66.0	96.4	104.0
112.5°	2.5	25.4	60.9	86.3	93.9
115°	2.5	25.4	55.8	81.2	86.3
117.5°	2.5	25.4	53.3	73.6	78.7
120°	2.5	22.8	50.8	68.5	73.6
122.5°	2.5	22.8	48.2	63.4	66.0
125°	2.5	20.3	45.7	58.4	63.4
127.5°	2.5	20.3	43.1	55.8	58.4
130°	2.5	20.3	40.6	50.8	55.8
132.5°	2.5	17.8	38.1	48.2	50.8
135°	2.5	17.8	35.5	45.7	48.2
137.5°	2.5	15.2	33.0	43.1	45.7
140°	2.5	15.2	30.5	40.6	43.1
142.5°	2.5	12.7	27.9	38.1	40.6
145°	2.5	12.7	25.4	35.5	38.1
147.5°	2.5	12.7	22.8	33.0	35.5
150°	2.5	10.2	20.3	30.5	33.0
152.5°	2.5	10.2	17.8	27.9	30.5
155°	2.5	10.2	17.8	25.4	27.9
157.5°	2.5	7.6	15.2	20.3	25.4
160°	2.5	7.6	12.7	17.8	22.8
162.5°	2.5	7.6	12.7	15.2	17.8
165°	2.5	5.1	10.2	12.7	15.2
167.5°	2.5	5.1	7.6	10.2	12.7
170°	2.5	5.1	7.6	7.6	10.2
172.5°	2.5	5.1	5.1	5.1	5.1
175°	5.1	5.1	5.1	5.1	2.5
177.5°	5.1	5.1	5.1	2.5	2.5



TEST NUMBER: P567849

CATALOG NUMBER: 8SNX-52SL-LN-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)