

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: P567753

Luminaire Tested: **8SNX-40SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567753  
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-40SL-LN-UNV-L950-CD  
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

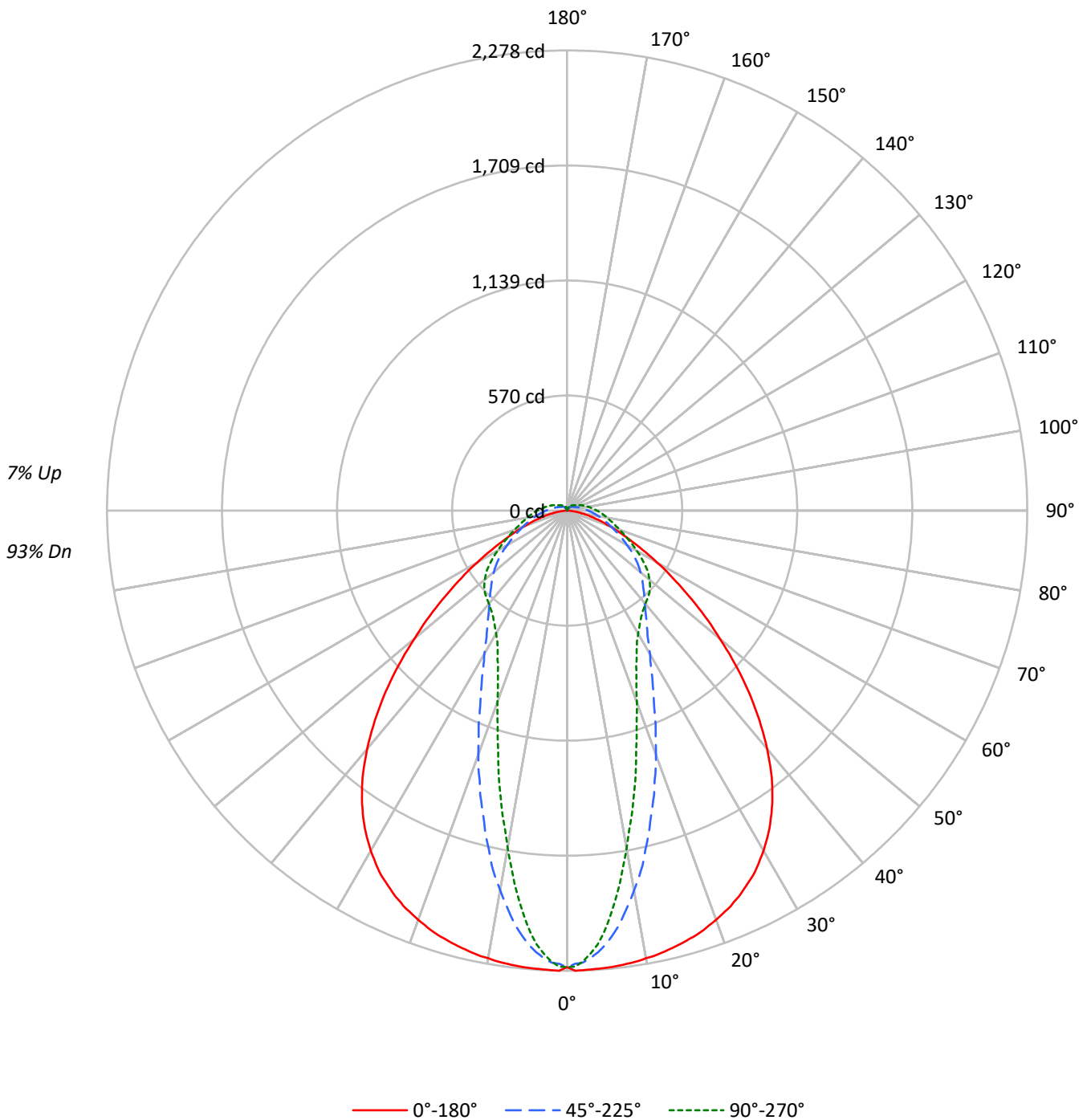
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3602.0 lumens  
Efficiency: N/A  
Efficacy: 148.8 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): 24.2  
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	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°	12161	12161	12161
5°	12247	11191	10697
10°	12252	9606	8299
15°	12269	7845	6220
20°	12254	6256	4655
25°	12168	4907	3694
30°	11940	3976	3151
35°	11467	3368	2866
40°	10636	2977	2713
45°	9486	2726	2630
50°	8066	2512	2484
55°	6657	2279	2268
60°	5355	2008	1990
65°	4189	1766	1732
70°	3288	1564	1532
75°	2585	1409	1396
80°	1885	1293	1297
85°	1132	1209	1244



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.1	5.6
10°-20°	469.1	13.0
20°-30°	556.8	15.5
30°-40°	560.2	15.6
40°-50°	520.7	14.5
50°-60°	428.8	11.9
60°-70°	302.1	8.4
70°-80°	197.4	5.5
80°-90°	126.0	3.5
90°-100°	82.7	2.3
100°-110°	56.1	1.6
110°-120°	38.5	1.1
120°-130°	26.6	0.7
130°-140°	17.9	0.5
140°-150°	11.0	0.3
150°-160°	5.7	0.2
160°-170°	2.1	0.1
170°-180°	0.4	0.0
0°-30°	1225.9	34.0
0°-40°	1786.1	49.6
0°-60°	2735.6	75.9
0°-90°	3361.1	93.3
90°-120°	177.2	4.9
90°-150°	232.8	6.5
90°-180°	241.0	6.7
0°-180°	3602.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2260	2260	2260	2260	2260	
5°	2271	2241	2160	2118	2095	216
15°	2214	1978	1591	1391	1316	625
25°	2069	1529	1014	851	816	952
35°	1771	1034	687	644	640	1101
45°	1272	682	532	561	576	977
55°	731	447	412	457	472	660
65°	344	270	283	319	330	349
75°	134	140	191	225	234	145
85°	23	64	128	166	174	28
90°	0	43	104	142	147	1
95°	0	32	87	119	125	0
105°	0	23	58	83	91	0
115°	2	19	42	60	64	2
125°	2	15	34	43	47	2
135°	2	13	26	34	36	1
145°	2	9	19	26	28	1
155°	2	8	13	19	21	1
165°	2	4	8	9	11	1
175°	4	4	4	4	2	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 8SNX-40SL-LN-UNV-L950-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2259.6	2259.6	2259.6	2259.6	2259.6
1°	2278.5	2269.1	2244.5	2261.5	2257.8
2°	2276.6	2267.2	2238.9	2246.4	2233.2
3°	2274.7	2261.5	2218.1	2216.2	2197.3
4°	2272.9	2252.1	2191.7	2169.0	2153.9
5°	2271.0	2240.8	2159.6	2118.1	2095.4
6°	2269.1	2227.6	2118.1	2055.8	2023.7
7°	2265.3	2206.8	2074.6	1989.7	1948.2
8°	2261.5	2187.9	2019.9	1918.0	1867.0
9°	2257.8	2163.4	1965.2	1840.6	1780.2
10°	2250.2	2138.8	1908.5	1761.3	1697.1
11°	2246.4	2110.5	1853.8	1685.8	1610.3
12°	2238.9	2080.3	1795.3	1606.5	1540.4
13°	2231.3	2048.2	1723.5	1538.5	1459.2
14°	2223.8	2014.2	1661.2	1463.0	1389.4
15°	2214.3	1978.4	1591.4	1391.3	1315.8
16°	2204.9	1936.8	1529.1	1317.7	1238.4
17°	2195.5	1897.2	1470.6	1249.7	1178.0
18°	2184.1	1857.6	1402.6	1183.6	1113.8
19°	2169.0	1812.2	1347.9	1123.2	1059.0
20°	2155.8	1770.7	1285.6	1066.6	1009.9
21°	2140.7	1719.7	1223.3	1013.7	957.1
22.5°	2118.1	1648.0	1144.0	947.7	894.8
23°	2106.7	1627.2	1111.9	923.1	877.8
24°	2091.6	1572.5	1059.0	885.4	840.1
25°	2069.0	1529.1	1013.7	851.4	815.5
26°	2048.2	1476.2	968.4	821.2	785.3
27°	2027.4	1425.3	928.8	789.1	758.9
28°	2001.0	1372.4	885.4	762.7	736.2
29°	1972.7	1323.3	849.5	740.0	719.2
30°	1944.4	1268.6	819.3	719.2	702.2
32.5°	1865.1	1147.8	741.9	679.6	668.3
35°	1770.7	1034.5	687.1	643.7	639.9
37.5°	1665.0	930.7	638.1	615.4	619.2
40°	1540.4	836.3	596.5	594.6	602.2
42.5°	1408.3	755.1	564.4	577.7	589.0
45°	1272.3	681.5	532.3	560.7	575.8
47.5°	1130.8	617.3	504.0	539.9	556.9
50°	987.3	555.0	473.8	515.4	532.3
52.5°	858.9	500.3	443.6	487.0	505.9
55°	730.6	447.4	411.5	456.8	471.9
57.5°	619.2	398.3	377.6	422.9	434.2
60°	515.4	351.1	343.6	385.1	398.3
62.5°	421.0	309.6	311.5	351.1	364.3
65°	343.6	269.9	283.2	319.0	330.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	279.4	232.2	254.8	292.6	302.0
70°	220.9	198.2	232.2	266.2	275.6
72.5°	175.6	168.0	209.5	245.4	253.0
75°	134.0	139.7	190.7	224.6	234.1
77.5°	96.3	117.0	171.8	207.7	215.2
80°	68.0	96.3	156.7	192.6	200.1
82.5°	43.4	79.3	141.6	179.3	186.9
85°	22.7	64.2	128.4	166.1	173.7
87.5°	9.4	52.9	115.2	152.9	160.5
90°	0.0	43.4	103.8	141.6	147.2
92.5°	0.0	37.8	94.4	130.3	135.9
95°	0.0	32.1	86.8	118.9	124.6
97.5°	0.0	30.2	77.4	109.5	115.2
100°	0.0	26.4	69.8	100.1	107.6
102.5°	0.0	24.5	64.2	90.6	98.2
105°	0.0	22.7	58.5	83.1	90.6
107.5°	0.0	20.8	54.7	77.4	83.1
110°	0.0	20.8	49.1	71.7	77.4
112.5°	1.9	18.9	45.3	64.2	69.8
115°	1.9	18.9	41.5	60.4	64.2
117.5°	1.9	18.9	39.6	54.7	58.5
120°	1.9	17.0	37.8	51.0	54.7
122.5°	1.9	17.0	35.9	47.2	49.1
125°	1.9	15.1	34.0	43.4	47.2
127.5°	1.9	15.1	32.1	41.5	43.4
130°	1.9	15.1	30.2	37.8	41.5
132.5°	1.9	13.2	28.3	35.9	37.8
135°	1.9	13.2	26.4	34.0	35.9
137.5°	1.9	11.3	24.5	32.1	34.0
140°	1.9	11.3	22.7	30.2	32.1
142.5°	1.9	9.4	20.8	28.3	30.2
145°	1.9	9.4	18.9	26.4	28.3
147.5°	1.9	9.4	17.0	24.5	26.4
150°	1.9	7.6	15.1	22.7	24.5
152.5°	1.9	7.6	13.2	20.8	22.7
155°	1.9	7.6	13.2	18.9	20.8
157.5°	1.9	5.7	11.3	15.1	18.9
160°	1.9	5.7	9.4	13.2	17.0
162.5°	1.9	5.7	9.4	11.3	13.2
165°	1.9	3.8	7.6	9.4	11.3
167.5°	1.9	3.8	5.7	7.6	9.4
170°	1.9	3.8	5.7	5.7	7.6
172.5°	1.9	3.8	3.8	3.8	3.8
175°	3.8	3.8	3.8	3.8	1.9
177.5°	3.8	3.8	3.8	1.9	1.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)