

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: P567745

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-40SL-LC-UNV-L950-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

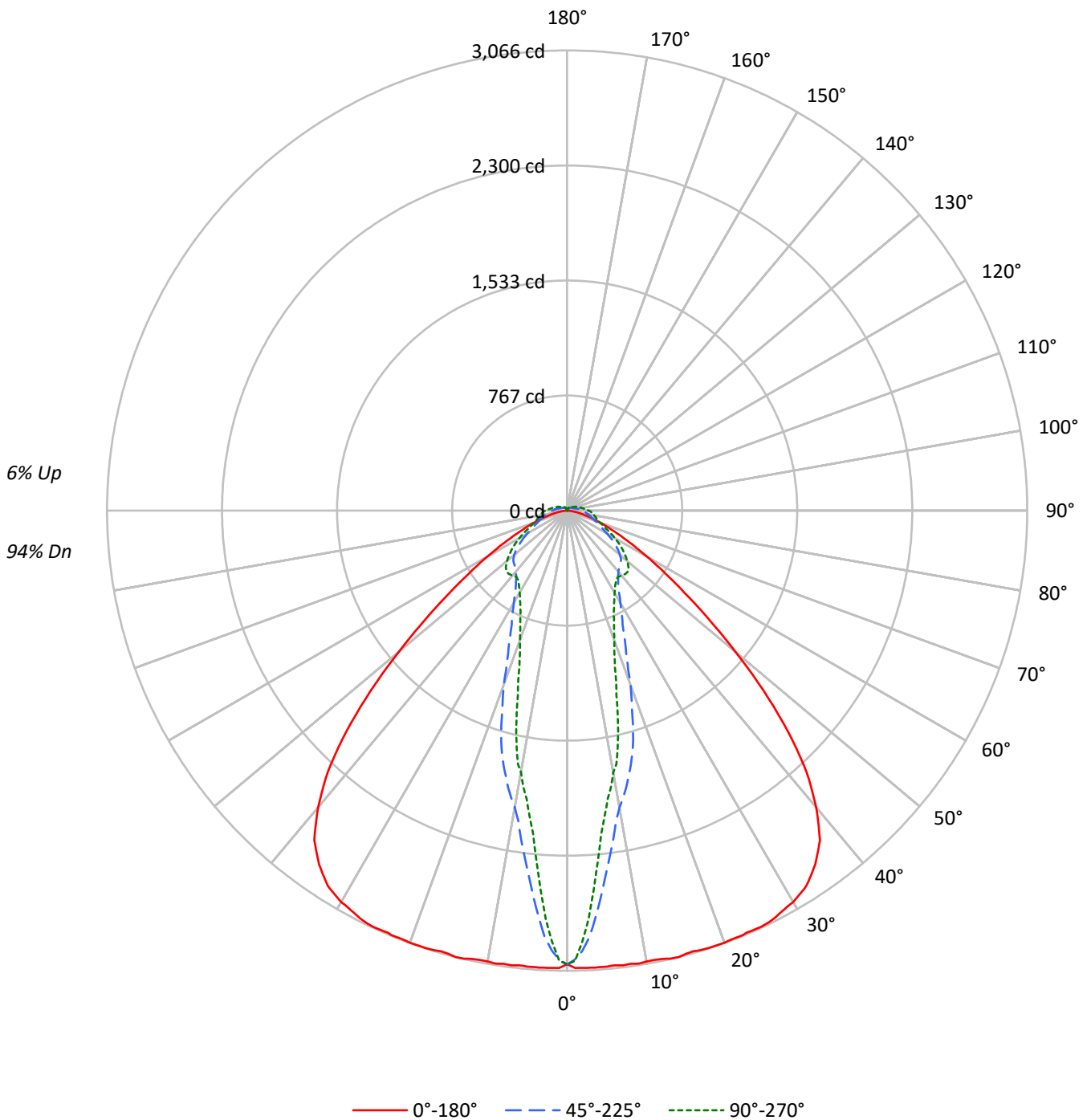
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3727.0 lumens
Efficiency: N/A
Efficacy: 154.0 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16272	16272	16272
5°	16449	13382	11964
10°	16609	10114	8658
15°	16943	8276	5995
20°	17414	5995	4234
25°	17995	4299	3331
30°	18496	3439	2837
35°	18652	2912	2541
40°	17831	2650	2547
45°	15522	2563	2617
50°	11954	2440	2442
55°	8702	2137	2167
60°	6350	1786	1832
65°	4657	1513	1502
70°	3468	1338	1295
75°	2506	1242	1207
80°	1694	1166	1189
85°	858	1115	1191



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.8	6.4
10°-20°	516.3	13.9
20°-30°	591.0	15.9
30°-40°	592.1	15.9
40°-50°	560.5	15.0
50°-60°	429.8	11.5
60°-70°	277.1	7.4
70°-80°	176.7	4.7
80°-90°	117.3	3.1
90°-100°	78.9	2.1
100°-110°	52.0	1.4
110°-120°	36.1	1.0
120°-130°	25.2	0.7
130°-140°	17.5	0.5
140°-150°	10.7	0.3
150°-160°	5.4	0.1
160°-170°	2.1	0.1
170°-180°	0.4	0.0
0°-30°	1345.1	36.1
0°-40°	1937.2	52.0
0°-60°	2927.6	78.6
0°-90°	3498.6	93.9
90°-120°	167.0	4.5
90°-150°	220.4	5.9
90°-180°	228.0	6.1
0°-180°	3727.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3024	3024	3024	3024	3024	
5°	3050	2882	2582	2408	2344	291
15°	3058	2202	1679	1379	1268	867
25°	3060	1559	888	772	735	1411
35°	2880	867	594	575	567	1787
45°	2082	548	500	554	573	1583
55°	955	392	386	434	451	878
65°	382	246	243	277	286	393
75°	130	134	168	193	202	143
85°	17	61	118	155	166	24
90°	0	42	99	138	143	1
95°	0	31	82	113	118	0
105°	0	23	54	76	82	1
115°	2	19	40	55	59	2
125°	2	17	34	40	42	2
135°	2	13	27	32	34	1
145°	2	10	19	25	27	1
155°	2	6	12	17	19	1
165°	4	4	8	10	12	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3023.5	3023.5	3023.5	3023.5	3023.5
1°	3048.4	3031.2	2991.1	3002.5	3000.6
2°	3048.4	3012.1	2933.8	2910.8	2876.5
3°	3050.3	2979.6	2845.9	2771.4	2723.7
4°	3050.3	2931.8	2716.0	2591.9	2530.7
5°	3050.3	2882.2	2582.3	2408.5	2343.6
6°	3046.4	2823.0	2446.7	2263.3	2165.9
7°	3052.2	2758.0	2324.5	2127.7	2051.3
8°	3050.3	2681.6	2211.8	2024.6	1940.6
9°	3056.0	2607.1	2089.5	1927.2	1864.2
10°	3050.3	2538.4	2009.3	1835.5	1770.6
11°	3050.3	2471.5	1952.0	1776.3	1720.9
12°	3054.1	2395.1	1889.0	1692.3	1615.9
13°	3063.6	2316.8	1816.4	1600.6	1510.8
14°	3065.5	2257.6	1749.6	1484.1	1390.5
15°	3057.9	2202.2	1678.9	1379.0	1268.2
16°	3054.1	2144.9	1594.8	1279.7	1180.4
17°	3061.7	2078.1	1499.3	1178.5	1086.8
18°	3063.6	2017.0	1398.1	1102.1	1021.8
19°	3063.6	1969.2	1316.0	1031.4	962.6
20°	3063.6	1923.4	1231.9	977.9	918.7
21°	3059.8	1866.1	1136.4	922.5	872.9
22.5°	3061.7	1759.1	1027.6	857.6	817.5
23°	3056.0	1732.4	1000.8	840.4	798.4
24°	3057.9	1656.0	943.5	806.0	765.9
25°	3059.8	1558.6	888.1	771.6	735.3
26°	3056.0	1480.2	842.3	739.2	714.3
27°	3046.4	1417.2	809.8	712.4	689.5
28°	3033.1	1333.2	775.5	689.5	668.5
29°	3019.7	1237.7	741.1	664.7	649.4
30°	3012.1	1161.3	708.6	645.6	632.2
32.5°	2966.2	1010.4	641.8	607.4	595.9
35°	2880.3	867.1	594.0	574.9	567.3
37.5°	2767.6	756.4	557.7	553.9	555.8
40°	2582.3	668.5	531.0	548.2	565.4
42.5°	2360.8	599.7	511.9	553.9	573.0
45°	2081.9	548.2	500.4	553.9	573.0
47.5°	1772.5	506.1	487.0	534.8	553.9
50°	1463.1	467.9	460.3	506.1	523.3
52.5°	1189.9	431.7	425.9	469.9	487.0
55°	955.0	391.5	385.8	433.6	450.8
57.5°	765.9	353.3	347.6	391.5	408.7
60°	611.2	315.1	305.6	349.5	366.7
62.5°	487.0	278.9	273.1	311.3	326.6
65°	382.0	246.4	242.6	276.9	286.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	301.8	215.8	217.7	246.4	257.8
70°	233.0	187.2	198.6	225.4	233.0
72.5°	175.7	158.5	183.4	206.3	215.8
75°	129.9	133.7	168.1	192.9	202.5
77.5°	89.8	110.8	154.7	181.4	191.0
80°	61.1	89.8	141.3	171.9	183.4
82.5°	36.3	74.5	129.9	162.3	175.7
85°	17.2	61.1	118.4	154.7	166.2
87.5°	5.7	49.7	107.0	147.1	156.6
90°	0.0	42.0	99.3	137.5	143.2
92.5°	0.0	36.3	89.8	126.1	129.9
95°	0.0	30.6	82.1	112.7	118.4
97.5°	0.0	28.6	76.4	101.2	108.9
100°	0.0	26.7	68.8	91.7	99.3
102.5°	0.0	22.9	61.1	82.1	89.8
105°	0.0	22.9	53.5	76.4	82.1
107.5°	1.9	21.0	49.7	68.8	76.4
110°	1.9	21.0	43.9	64.9	70.7
112.5°	1.9	21.0	42.0	59.2	66.8
115°	1.9	19.1	40.1	55.4	59.2
117.5°	1.9	19.1	38.2	49.7	53.5
120°	1.9	17.2	36.3	45.8	47.7
122.5°	1.9	17.2	34.4	42.0	43.9
125°	1.9	17.2	34.4	40.1	42.0
127.5°	1.9	15.3	32.5	38.2	38.2
130°	1.9	15.3	30.6	36.3	36.3
132.5°	1.9	13.4	28.6	34.4	36.3
135°	1.9	13.4	26.7	32.5	34.4
137.5°	1.9	11.5	24.8	30.6	32.5
140°	1.9	11.5	22.9	28.6	30.6
142.5°	1.9	9.5	21.0	26.7	28.6
145°	1.9	9.5	19.1	24.8	26.7
147.5°	1.9	9.5	17.2	22.9	24.8
150°	1.9	7.6	15.3	21.0	22.9
152.5°	1.9	7.6	13.4	19.1	21.0
155°	1.9	5.7	11.5	17.2	19.1
157.5°	1.9	5.7	11.5	15.3	17.2
160°	3.8	5.7	9.5	13.4	15.3
162.5°	1.9	3.8	9.5	11.5	13.4
165°	3.8	3.8	7.6	9.5	11.5
167.5°	3.8	3.8	5.7	7.6	9.5
170°	3.8	3.8	5.7	5.7	7.6
172.5°	3.8	3.8	3.8	5.7	3.8
175°	3.8	3.8	3.8	3.8	1.9
177.5°	3.8	3.8	3.8	3.8	1.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.8	3.8	3.8	3.8	3.8

(END OF REPORT)