

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: P567744

Luminaire Tested: **8SNX-40SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567744
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-L940-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

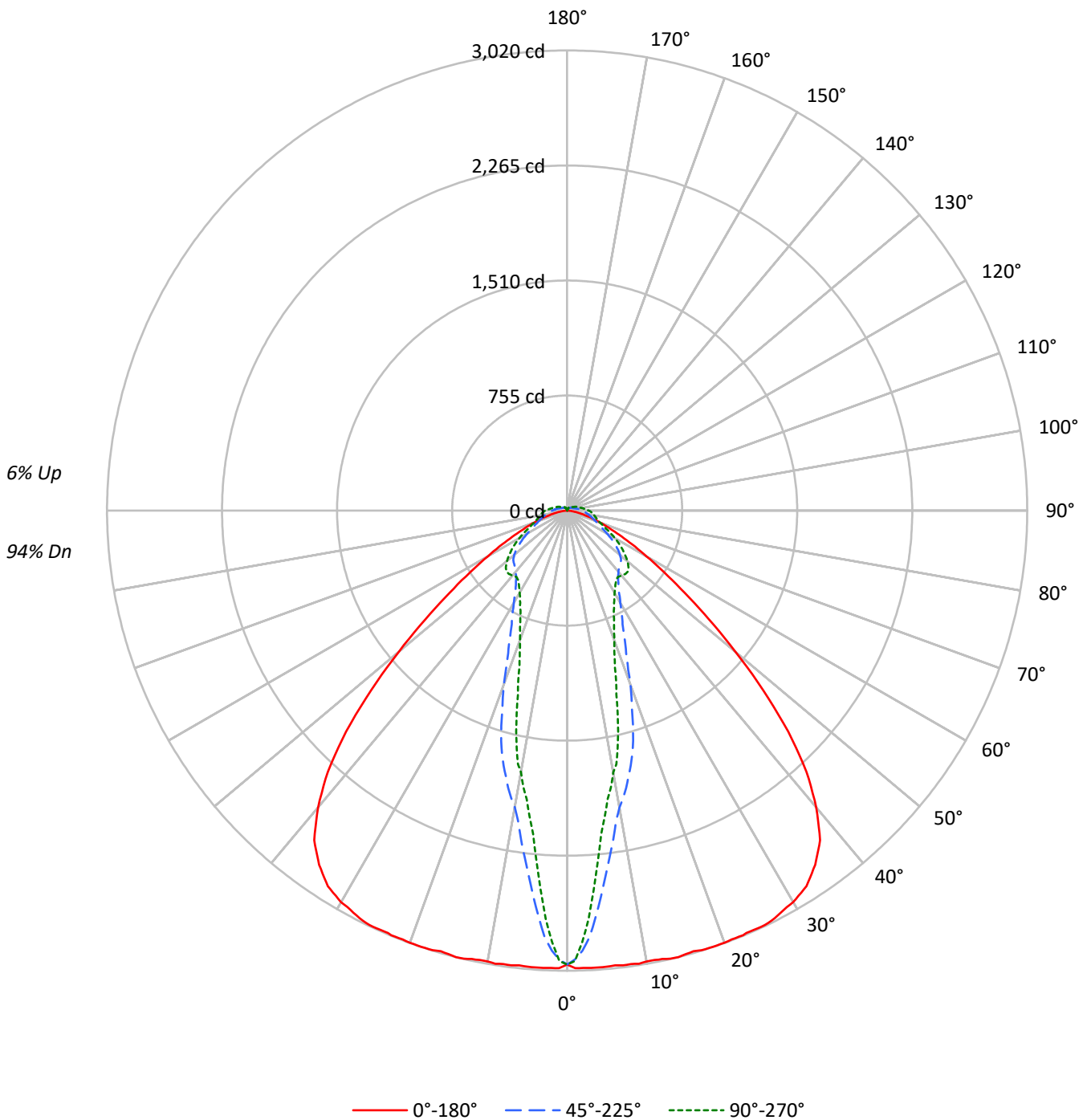
Lumens per Lamp: N/A
Luminaire Lumens: 3672.0 lumens
Efficiency: N/A
Efficacy: 151.7 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

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°	16032	16032	16032
5°	16206	13184	11787
10°	16363	9965	8530
15°	16694	8154	5907
20°	17157	5907	4172
25°	17730	4236	3282
30°	18223	3388	2795
35°	18377	2868	2503
40°	17568	2610	2509
45°	15294	2525	2578
50°	11777	2404	2406
55°	8574	2105	2135
60°	6256	1759	1805
65°	4588	1490	1480
70°	3417	1318	1276
75°	2470	1224	1189
80°	1669	1149	1171
85°	843	1099	1173



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.3	6.4
10°-20°	508.7	13.9
20°-30°	582.3	15.9
30°-40°	583.3	15.9
40°-50°	552.2	15.0
50°-60°	423.5	11.5
60°-70°	273.0	7.4
70°-80°	174.1	4.7
80°-90°	115.6	3.1
90°-100°	77.7	2.1
100°-110°	51.2	1.4
110°-120°	35.6	1.0
120°-130°	24.8	0.7
130°-140°	17.3	0.5
140°-150°	10.6	0.3
150°-160°	5.4	0.1
160°-170°	2.1	0.1
170°-180°	0.4	0.0
0°-30°	1325.3	36.1
0°-40°	1908.6	52.0
0°-60°	2884.4	78.5
0°-90°	3447.0	93.9
90°-120°	164.5	4.5
90°-150°	217.2	5.9
90°-180°	225.0	6.1
0°-180°	3672.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2979	2979	2979	2979	2979	
5°	3005	2840	2544	2373	2309	287
15°	3013	2170	1654	1359	1250	855
25°	3015	1536	875	760	724	1390
35°	2838	854	585	566	559	1761
45°	2051	540	493	546	564	1560
55°	941	386	380	427	444	865
65°	376	243	239	273	282	387
75°	128	132	166	190	200	141
85°	17	60	117	152	164	23
90°	0	41	98	136	141	1
95°	0	30	81	111	117	0
105°	0	23	53	75	81	1
115°	2	19	40	55	58	2
125°	2	17	34	40	41	2
135°	2	13	26	32	34	1
145°	2	9	19	24	26	1
155°	2	6	11	17	19	1
165°	4	4	8	9	11	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



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CATALOG NUMBER: 8SNX-40SL-LC-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2978.9	2978.9	2978.9	2978.9	2978.9
1°	3003.4	2986.4	2946.9	2958.2	2956.3
2°	3003.4	2967.6	2890.5	2867.9	2834.0
3°	3005.2	2935.6	2803.9	2730.5	2683.5
4°	3005.2	2888.6	2675.9	2553.6	2493.4
5°	3005.2	2839.7	2544.2	2373.0	2309.0
6°	3001.5	2781.3	2410.6	2229.9	2134.0
7°	3007.1	2717.3	2290.2	2096.3	2021.1
8°	3005.2	2642.1	2179.1	1994.7	1911.9
9°	3010.9	2568.7	2058.7	1898.7	1836.6
10°	3005.2	2500.9	1979.7	1808.4	1744.4
11°	3005.2	2435.1	1923.2	1750.1	1695.5
12°	3009.0	2359.8	1861.1	1667.3	1592.0
13°	3018.4	2282.6	1789.6	1577.0	1488.5
14°	3020.3	2224.3	1723.7	1462.2	1370.0
15°	3012.8	2169.7	1654.1	1358.7	1249.5
16°	3009.0	2113.3	1571.3	1260.8	1163.0
17°	3016.5	2047.4	1477.2	1161.1	1070.7
18°	3018.4	1987.2	1377.5	1085.8	1006.8
19°	3018.4	1940.1	1296.6	1016.2	948.4
20°	3018.4	1895.0	1213.8	963.5	905.2
21°	3014.7	1838.5	1119.7	908.9	860.0
22.5°	3016.5	1733.1	1012.4	844.9	805.4
23°	3010.9	1706.8	986.1	828.0	786.6
24°	3012.8	1631.5	929.6	794.1	754.6
25°	3014.7	1535.6	875.0	760.3	724.5
26°	3010.9	1458.4	829.9	728.3	703.8
27°	3001.5	1396.3	797.9	701.9	679.3
28°	2988.3	1313.5	764.0	679.3	658.6
29°	2975.1	1219.4	730.1	654.9	639.8
30°	2967.6	1144.1	698.2	636.1	622.9
32.5°	2922.5	995.5	632.3	598.4	587.1
35°	2837.8	854.3	585.2	566.4	558.9
37.5°	2726.7	745.2	549.5	545.7	547.6
40°	2544.2	658.6	523.1	540.1	557.0
42.5°	2325.9	590.9	504.3	545.7	564.5
45°	2051.2	540.1	493.0	545.7	564.5
47.5°	1746.3	498.7	479.9	526.9	545.7
50°	1441.5	461.0	453.5	498.7	515.6
52.5°	1172.4	425.3	419.6	462.9	479.9
55°	940.9	385.8	380.1	427.2	444.1
57.5°	754.6	348.1	342.5	385.8	402.7
60°	602.2	310.5	301.1	344.4	361.3
62.5°	479.9	274.7	269.1	306.7	321.8
65°	376.4	242.8	239.0	272.9	282.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	297.3	212.6	214.5	242.8	254.0
70°	229.6	184.4	195.7	222.1	229.6
72.5°	173.1	156.2	180.7	203.2	212.6
75°	128.0	131.7	165.6	190.1	199.5
77.5°	88.4	109.1	152.4	178.8	188.2
80°	60.2	88.4	139.3	169.4	180.7
82.5°	35.8	73.4	128.0	160.0	173.1
85°	16.9	60.2	116.7	152.4	163.7
87.5°	5.6	48.9	105.4	144.9	154.3
90°	0.0	41.4	97.9	135.5	141.1
92.5°	0.0	35.8	88.4	124.2	128.0
95°	0.0	30.1	80.9	111.0	116.7
97.5°	0.0	28.2	75.3	99.7	107.3
100°	0.0	26.3	67.7	90.3	97.9
102.5°	0.0	22.6	60.2	80.9	88.4
105°	0.0	22.6	52.7	75.3	80.9
107.5°	1.9	20.7	48.9	67.7	75.3
110°	1.9	20.7	43.3	64.0	69.6
112.5°	1.9	20.7	41.4	58.3	65.9
115°	1.9	18.8	39.5	54.6	58.3
117.5°	1.9	18.8	37.6	48.9	52.7
120°	1.9	16.9	35.8	45.2	47.0
122.5°	1.9	16.9	33.9	41.4	43.3
125°	1.9	16.9	33.9	39.5	41.4
127.5°	1.9	15.1	32.0	37.6	37.6
130°	1.9	15.1	30.1	35.8	35.8
132.5°	1.9	13.2	28.2	33.9	35.8
135°	1.9	13.2	26.3	32.0	33.9
137.5°	1.9	11.3	24.5	30.1	32.0
140°	1.9	11.3	22.6	28.2	30.1
142.5°	1.9	9.4	20.7	26.3	28.2
145°	1.9	9.4	18.8	24.5	26.3
147.5°	1.9	9.4	16.9	22.6	24.5
150°	1.9	7.5	15.1	20.7	22.6
152.5°	1.9	7.5	13.2	18.8	20.7
155°	1.9	5.6	11.3	16.9	18.8
157.5°	1.9	5.6	11.3	15.1	16.9
160°	3.8	5.6	9.4	13.2	15.1
162.5°	1.9	3.8	9.4	11.3	13.2
165°	3.8	3.8	7.5	9.4	11.3
167.5°	3.8	3.8	5.6	7.5	9.4
170°	3.8	3.8	5.6	5.6	7.5
172.5°	3.8	3.8	3.8	5.6	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)