

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: P567743

Luminaire Tested: **8SNX-40SL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567743
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-L935-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

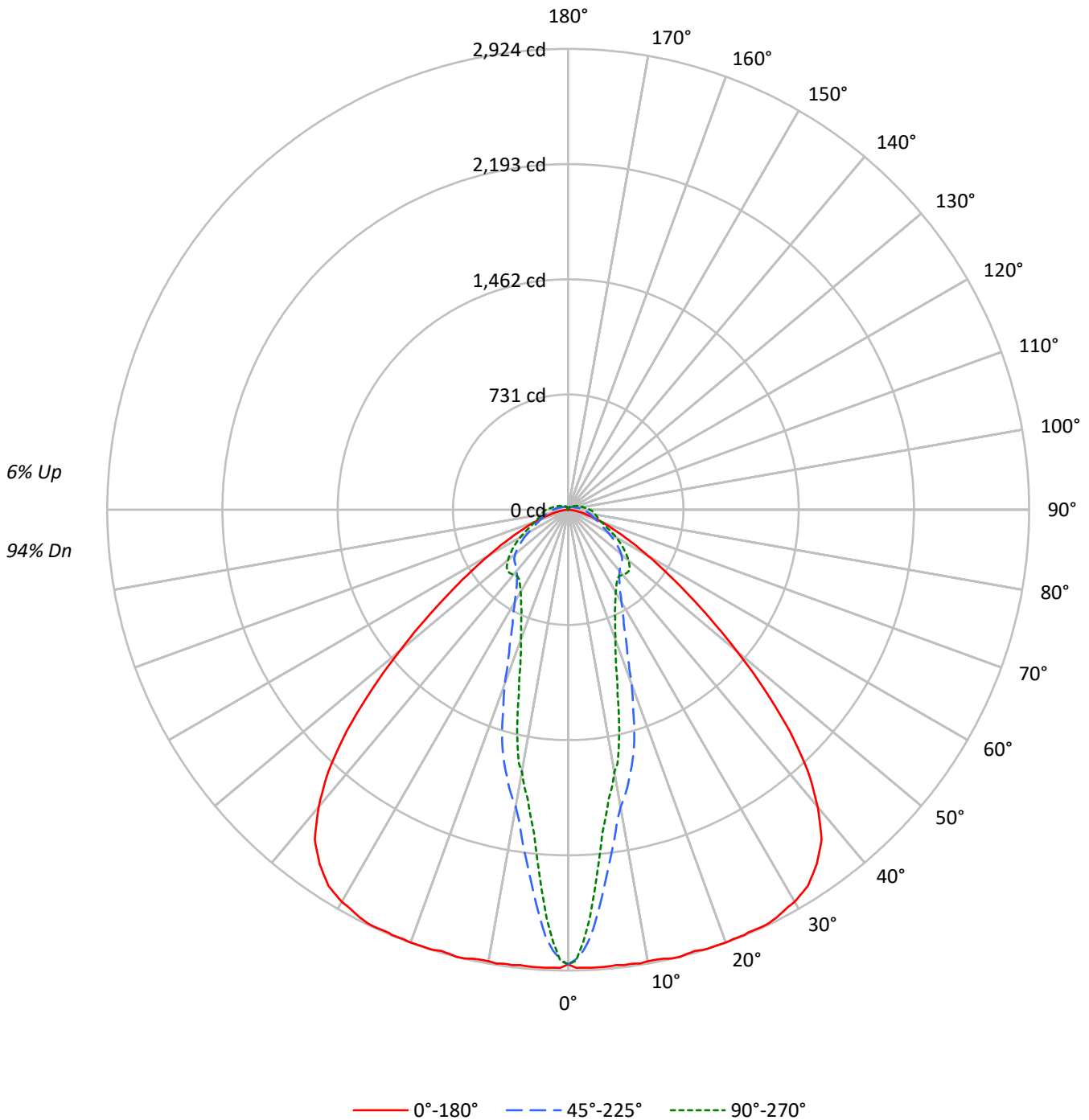
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3555.0 lumens
Efficiency: N/A
Efficacy: 146.9 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°	15522	15522	15522
5°	15690	12764	11411
10°	15842	9647	8259
15°	16162	7894	5719
20°	16611	5718	4039
25°	17165	4101	3177
30°	17643	3280	2706
35°	17791	2777	2424
40°	17008	2527	2430
45°	14806	2444	2496
50°	11401	2328	2329
55°	8300	2038	2067
60°	6057	1703	1747
65°	4442	1443	1432
70°	3309	1277	1235
75°	2391	1184	1151
80°	1616	1112	1134
85°	818	1064	1135



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.8	6.4
10°-20°	492.5	13.9
20°-30°	563.8	15.9
30°-40°	564.8	15.9
40°-50°	534.6	15.0
50°-60°	410.0	11.5
60°-70°	264.3	7.4
70°-80°	168.5	4.7
80°-90°	111.9	3.1
90°-100°	75.2	2.1
100°-110°	49.6	1.4
110°-120°	34.5	1.0
120°-130°	24.1	0.7
130°-140°	16.7	0.5
140°-150°	10.2	0.3
150°-160°	5.2	0.1
160°-170°	2.0	0.1
170°-180°	0.4	0.0
0°-30°	1283.1	36.1
0°-40°	1847.8	52.0
0°-60°	2792.5	78.6
0°-90°	3337.2	93.9
90°-120°	159.3	4.5
90°-150°	210.2	5.9
90°-180°	218.0	6.1
0°-180°	3555.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2884	2884	2884	2884	2884	
5°	2910	2749	2463	2297	2235	278
15°	2917	2101	1601	1315	1210	827
25°	2919	1487	847	736	701	1345
35°	2747	827	567	548	541	1705
45°	1986	523	477	528	547	1510
55°	911	374	368	414	430	838
65°	364	235	231	264	273	375
75°	124	128	160	184	193	136
85°	16	58	113	148	158	23
90°	0	40	95	131	137	1
95°	0	29	78	108	113	0
105°	0	22	51	73	78	1
115°	2	18	38	53	56	2
125°	2	16	33	38	40	2
135°	2	13	26	31	33	1
145°	2	9	18	24	26	1
155°	2	6	11	16	18	1
165°	4	4	7	9	11	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°	2884.0	2884.0	2884.0	2884.0	2884.0
1°	2907.7	2891.3	2853.0	2863.9	2862.1
2°	2907.7	2873.1	2798.4	2776.5	2743.7
3°	2909.5	2842.1	2714.6	2643.5	2598.0
4°	2909.5	2796.5	2590.7	2472.3	2414.0
5°	2909.5	2749.2	2463.1	2297.4	2235.4
6°	2905.9	2692.7	2333.8	2158.9	2066.0
7°	2911.3	2630.8	2217.2	2029.5	1956.7
8°	2909.5	2557.9	2109.7	1931.2	1851.0
9°	2915.0	2486.8	1993.1	1838.2	1778.1
10°	2909.5	2421.2	1916.6	1750.8	1688.9
11°	2909.5	2357.5	1861.9	1694.3	1641.5
12°	2913.1	2284.6	1801.8	1614.2	1541.3
13°	2922.2	2209.9	1732.6	1526.7	1441.1
14°	2924.1	2153.4	1668.8	1415.6	1326.3
15°	2916.8	2100.6	1601.4	1315.4	1209.7
16°	2913.1	2045.9	1521.2	1220.6	1125.9
17°	2920.4	1982.2	1430.2	1124.1	1036.6
18°	2922.2	1923.9	1333.6	1051.2	974.7
19°	2922.2	1878.3	1255.3	983.8	918.2
20°	2922.2	1834.6	1175.1	932.8	876.3
21°	2918.6	1779.9	1084.0	880.0	832.6
22.5°	2920.4	1677.9	980.2	818.0	779.8
23°	2915.0	1652.4	954.6	801.6	761.5
24°	2916.8	1579.5	900.0	768.8	730.6
25°	2918.6	1486.6	847.2	736.0	701.4
26°	2915.0	1411.9	803.4	705.1	681.4
27°	2905.9	1351.8	772.5	679.6	657.7
28°	2893.1	1271.7	739.7	657.7	637.6
29°	2880.3	1180.6	706.9	634.0	619.4
30°	2873.1	1107.7	675.9	615.8	603.0
32.5°	2829.3	963.8	612.1	579.3	568.4
35°	2747.3	827.1	566.6	548.4	541.1
37.5°	2639.9	721.5	532.0	528.3	530.2
40°	2463.1	637.6	506.5	522.9	539.3
42.5°	2251.8	572.1	488.3	528.3	546.6
45°	1985.8	522.9	477.3	528.3	546.6
47.5°	1690.7	482.8	464.6	510.1	528.3
50°	1395.5	446.4	439.1	482.8	499.2
52.5°	1135.0	411.7	406.3	448.2	464.6
55°	910.9	373.5	368.0	413.6	430.0
57.5°	730.6	337.0	331.6	373.5	389.9
60°	583.0	300.6	291.5	333.4	349.8
62.5°	464.6	266.0	260.5	297.0	311.5
65°	364.4	235.0	231.4	264.2	273.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	287.9	205.9	207.7	235.0	245.9
70°	222.3	178.5	189.5	215.0	222.3
72.5°	167.6	151.2	174.9	196.8	205.9
75°	123.9	127.5	160.3	184.0	193.1
77.5°	85.6	105.7	147.6	173.1	182.2
80°	58.3	85.6	134.8	164.0	174.9
82.5°	34.6	71.1	123.9	154.9	167.6
85°	16.4	58.3	113.0	147.6	158.5
87.5°	5.5	47.4	102.0	140.3	149.4
90°	0.0	40.1	94.7	131.2	136.6
92.5°	0.0	34.6	85.6	120.2	123.9
95°	0.0	29.1	78.3	107.5	113.0
97.5°	0.0	27.3	72.9	96.6	103.8
100°	0.0	25.5	65.6	87.4	94.7
102.5°	0.0	21.9	58.3	78.3	85.6
105°	0.0	21.9	51.0	72.9	78.3
107.5°	1.8	20.0	47.4	65.6	72.9
110°	1.8	20.0	41.9	61.9	67.4
112.5°	1.8	20.0	40.1	56.5	63.8
115°	1.8	18.2	38.3	52.8	56.5
117.5°	1.8	18.2	36.4	47.4	51.0
120°	1.8	16.4	34.6	43.7	45.5
122.5°	1.8	16.4	32.8	40.1	41.9
125°	1.8	16.4	32.8	38.3	40.1
127.5°	1.8	14.6	31.0	36.4	36.4
130°	1.8	14.6	29.1	34.6	34.6
132.5°	1.8	12.8	27.3	32.8	34.6
135°	1.8	12.8	25.5	31.0	32.8
137.5°	1.8	10.9	23.7	29.1	31.0
140°	1.8	10.9	21.9	27.3	29.1
142.5°	1.8	9.1	20.0	25.5	27.3
145°	1.8	9.1	18.2	23.7	25.5
147.5°	1.8	9.1	16.4	21.9	23.7
150°	1.8	7.3	14.6	20.0	21.9
152.5°	1.8	7.3	12.8	18.2	20.0
155°	1.8	5.5	10.9	16.4	18.2
157.5°	1.8	5.5	10.9	14.6	16.4
160°	3.6	5.5	9.1	12.8	14.6
162.5°	1.8	3.6	9.1	10.9	12.8
165°	3.6	3.6	7.3	9.1	10.9
167.5°	3.6	3.6	5.5	7.3	9.1
170°	3.6	3.6	5.5	5.5	7.3
172.5°	3.6	3.6	3.6	5.5	3.6
175°	3.6	3.6	3.6	3.6	1.8
177.5°	3.6	3.6	3.6	3.6	1.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)