

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: P567747

Luminaire Tested: **8SNX-40SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567747
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-L835-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

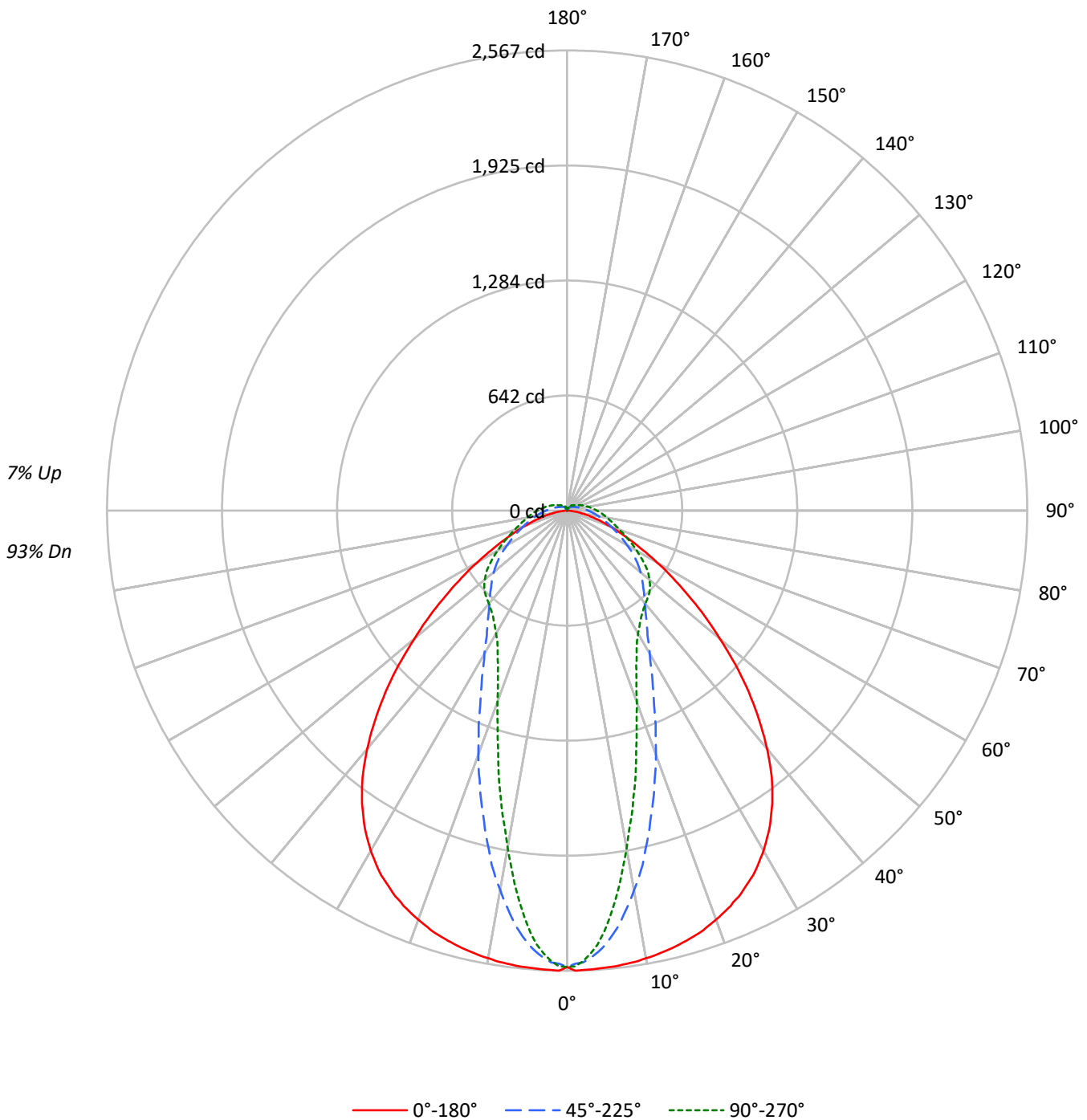
Lumens per Lamp: N/A
Luminaire Lumens: 4058.0 lumens
Efficiency: N/A
Efficacy: 167.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

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	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°	13701	13701	13701
5°	13797	12608	12051
10°	13804	10823	9349
15°	13823	8838	7007
20°	13805	7048	5244
25°	13708	5529	4162
30°	13451	4479	3550
35°	12918	3794	3230
40°	11983	3353	3056
45°	10687	3071	2962
50°	9087	2830	2798
55°	7499	2567	2556
60°	6032	2262	2241
65°	4719	1989	1951
70°	3703	1762	1725
75°	2913	1587	1572
80°	2123	1456	1461
85°	1272	1362	1402



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.4	5.6
10°-20°	528.4	13.0
20°-30°	627.3	15.5
30°-40°	631.1	15.6
40°-50°	586.6	14.5
50°-60°	483.0	11.9
60°-70°	340.4	8.4
70°-80°	222.4	5.5
80°-90°	142.0	3.5
90°-100°	93.1	2.3
100°-110°	63.2	1.6
110°-120°	43.3	1.1
120°-130°	30.0	0.7
130°-140°	20.2	0.5
140°-150°	12.4	0.3
150°-160°	6.4	0.2
160°-170°	2.3	0.1
170°-180°	0.4	0.0
0°-30°	1381.1	34.0
0°-40°	2012.2	49.6
0°-60°	3081.9	75.9
0°-90°	3786.6	93.3
90°-120°	199.6	4.9
90°-150°	262.2	6.5
90°-180°	271.0	6.7
0°-180°	4058.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2546	2546	2546	2546	2546	
5°	2558	2524	2433	2386	2361	244
15°	2495	2229	1793	1567	1482	705
25°	2331	1723	1142	959	919	1073
35°	1995	1166	774	725	721	1241
45°	1433	768	600	632	649	1100
55°	823	504	464	515	532	743
65°	387	304	319	359	372	393
75°	151	157	215	253	264	163
85°	26	72	145	187	196	32
90°	0	49	117	160	166	1
95°	0	36	98	134	140	0
105°	0	26	66	94	102	0
115°	2	21	47	68	72	2
125°	2	17	38	49	53	2
135°	2	15	30	38	40	2
145°	2	11	21	30	32	1
155°	2	8	15	21	23	1
165°	2	4	8	11	13	1
175°	4	4	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2545.7	2545.7	2545.7	2545.7	2545.7
1°	2567.0	2556.3	2528.7	2547.8	2543.6
2°	2564.8	2554.2	2522.3	2530.8	2515.9
3°	2562.7	2547.8	2498.9	2496.8	2475.5
4°	2560.6	2537.2	2469.1	2443.6	2426.6
5°	2558.5	2524.4	2433.0	2386.2	2360.7
6°	2556.3	2509.6	2386.2	2316.0	2279.9
7°	2552.1	2486.2	2337.3	2241.6	2194.8
8°	2547.8	2464.9	2275.6	2160.8	2103.3
9°	2543.6	2437.2	2213.9	2073.6	2005.5
10°	2535.1	2409.6	2150.1	1984.2	1911.9
11°	2530.8	2377.7	2088.5	1899.2	1814.1
12°	2522.3	2343.7	2022.5	1809.9	1735.4
13°	2513.8	2307.5	1941.7	1733.3	1644.0
14°	2505.3	2269.2	1871.5	1648.2	1565.3
15°	2494.7	2228.8	1792.8	1567.4	1482.3
16°	2484.0	2182.0	1722.7	1484.5	1395.1
17°	2473.4	2137.4	1656.7	1407.9	1327.1
18°	2460.6	2092.7	1580.2	1333.5	1254.8
19°	2443.6	2041.7	1518.5	1265.4	1193.1
20°	2428.7	1994.9	1448.3	1201.6	1137.8
21°	2411.7	1937.5	1378.1	1142.1	1078.3
22.5°	2386.2	1856.6	1288.8	1067.6	1008.1
23°	2373.4	1833.2	1252.6	1040.0	988.9
24°	2356.4	1771.6	1193.1	997.4	946.4
25°	2330.9	1722.7	1142.1	959.2	918.8
26°	2307.5	1663.1	1091.0	925.1	884.7
27°	2284.1	1605.7	1046.4	889.0	854.9
28°	2254.3	1546.1	997.4	859.2	829.4
29°	2222.4	1490.8	957.0	833.7	810.3
30°	2190.5	1429.2	923.0	810.3	791.1
32.5°	2101.2	1293.1	835.8	765.6	752.9
35°	1994.9	1165.5	774.1	725.2	721.0
37.5°	1875.8	1048.5	718.8	693.3	697.6
40°	1735.4	942.1	672.0	669.9	678.4
42.5°	1586.5	850.7	635.9	650.8	663.5
45°	1433.4	767.8	599.7	631.6	648.7
47.5°	1273.9	695.4	567.8	608.2	627.4
50°	1112.3	625.3	533.8	580.6	599.7
52.5°	967.7	563.6	499.8	548.7	570.0
55°	823.0	504.0	463.6	514.7	531.7
57.5°	697.6	448.7	425.3	476.4	489.1
60°	580.6	395.6	387.1	433.9	448.7
62.5°	474.3	348.8	350.9	395.6	410.5
65°	387.1	304.1	319.0	359.4	372.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	314.8	261.6	287.1	329.6	340.3
70°	248.8	223.3	261.6	299.9	310.5
72.5°	197.8	189.3	236.1	276.5	285.0
75°	151.0	157.4	214.8	253.1	263.7
77.5°	108.5	131.9	193.5	233.9	242.4
80°	76.6	108.5	176.5	216.9	225.4
82.5°	48.9	89.3	159.5	202.0	210.5
85°	25.5	72.3	144.6	187.2	195.7
87.5°	10.6	59.5	129.7	172.3	180.8
90°	0.0	48.9	117.0	159.5	165.9
92.5°	0.0	42.5	106.3	146.7	153.1
95°	0.0	36.2	97.8	134.0	140.4
97.5°	0.0	34.0	87.2	123.4	129.7
100°	0.0	29.8	78.7	112.7	121.2
102.5°	0.0	27.6	72.3	102.1	110.6
105°	0.0	25.5	65.9	93.6	102.1
107.5°	0.0	23.4	61.7	87.2	93.6
110°	0.0	23.4	55.3	80.8	87.2
112.5°	2.1	21.3	51.0	72.3	78.7
115°	2.1	21.3	46.8	68.1	72.3
117.5°	2.1	21.3	44.7	61.7	65.9
120°	2.1	19.1	42.5	57.4	61.7
122.5°	2.1	19.1	40.4	53.2	55.3
125°	2.1	17.0	38.3	48.9	53.2
127.5°	2.1	17.0	36.2	46.8	48.9
130°	2.1	17.0	34.0	42.5	46.8
132.5°	2.1	14.9	31.9	40.4	42.5
135°	2.1	14.9	29.8	38.3	40.4
137.5°	2.1	12.8	27.6	36.2	38.3
140°	2.1	12.8	25.5	34.0	36.2
142.5°	2.1	10.6	23.4	31.9	34.0
145°	2.1	10.6	21.3	29.8	31.9
147.5°	2.1	10.6	19.1	27.6	29.8
150°	2.1	8.5	17.0	25.5	27.6
152.5°	2.1	8.5	14.9	23.4	25.5
155°	2.1	8.5	14.9	21.3	23.4
157.5°	2.1	6.4	12.8	17.0	21.3
160°	2.1	6.4	10.6	14.9	19.1
162.5°	2.1	6.4	10.6	12.8	14.9
165°	2.1	4.3	8.5	10.6	12.8
167.5°	2.1	4.3	6.4	8.5	10.6
170°	2.1	4.3	6.4	6.4	8.5
172.5°	2.1	4.3	4.3	4.3	4.3
175°	4.3	4.3	4.3	4.3	2.1
177.5°	4.3	4.3	4.3	2.1	2.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)