

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: P567739

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567739
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-L835-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

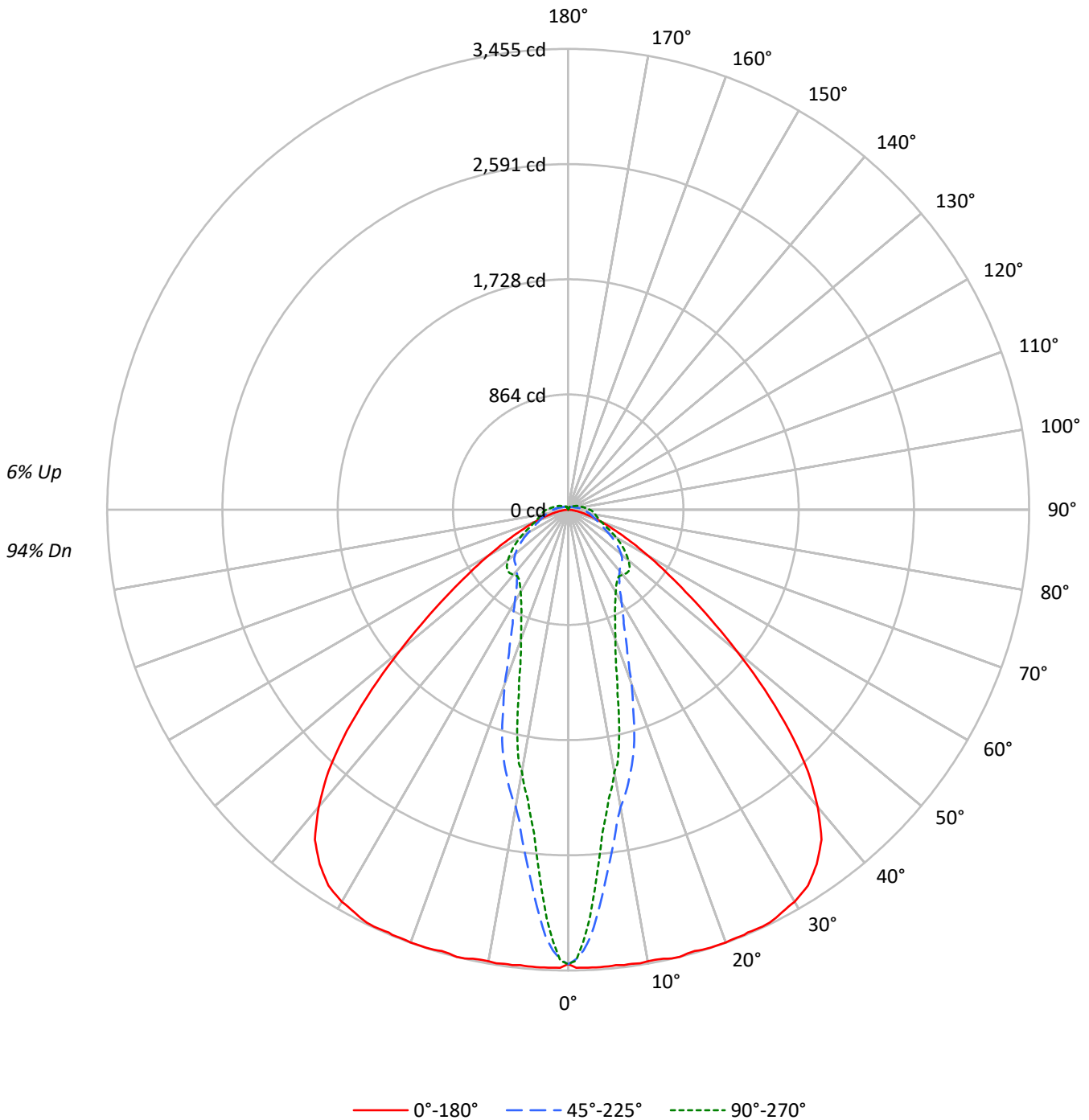
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4200.0 lumens
Efficiency: N/A
Efficacy: 173.6 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°	18337	18337	18337
5°	18537	15080	13482
10°	18717	11397	9757
15°	19094	9327	6756
20°	19624	6756	4772
25°	20279	4845	3754
30°	20843	3875	3197
35°	21019	3281	2864
40°	20093	2986	2870
45°	17492	2888	2949
50°	13470	2750	2752
55°	9806	2408	2442
60°	7156	2013	2065
65°	5248	1705	1692
70°	3908	1508	1459
75°	2825	1399	1360
80°	1910	1314	1339
85°	968	1256	1342



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.0	6.4
10°-20°	581.9	13.9
20°-30°	666.0	15.9
30°-40°	667.2	15.9
40°-50°	631.6	15.0
50°-60°	484.4	11.5
60°-70°	312.2	7.4
70°-80°	199.1	4.7
80°-90°	132.2	3.1
90°-100°	88.9	2.1
100°-110°	58.6	1.4
110°-120°	40.7	1.0
120°-130°	28.4	0.7
130°-140°	19.7	0.5
140°-150°	12.1	0.3
150°-160°	6.1	0.1
160°-170°	2.4	0.1
170°-180°	0.5	0.0
0°-30°	1515.9	36.1
0°-40°	2183.1	52.0
0°-60°	3299.1	78.5
0°-90°	3942.7	93.9
90°-120°	188.2	4.5
90°-150°	248.4	5.9
90°-180°	257.0	6.1
0°-180°	4200.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3407	3407	3407	3407	3407	
5°	3437	3248	2910	2714	2641	328
15°	3446	2482	1892	1554	1429	977
25°	3448	1756	1001	870	829	1590
35°	3246	977	669	648	639	2014
45°	2346	618	564	624	646	1784
55°	1076	441	435	489	508	990
65°	430	278	273	312	323	443
75°	146	151	189	217	228	161
85°	19	69	133	174	187	27
90°	0	47	112	155	161	1
95°	0	34	93	127	133	0
105°	0	26	60	86	93	1
115°	2	22	45	62	67	2
125°	2	19	39	45	47	2
135°	2	15	30	37	39	2
145°	2	11	22	28	30	1
155°	2	6	13	19	22	1
165°	4	4	9	11	13	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°	3407.2	3407.2	3407.2	3407.2	3407.2
1°	3435.2	3415.9	3370.7	3383.6	3381.4
2°	3435.2	3394.3	3306.1	3280.3	3241.5
3°	3437.4	3357.7	3207.1	3123.1	3069.3
4°	3437.4	3303.9	3060.7	2920.8	2851.9
5°	3437.4	3248.0	2910.0	2714.2	2641.0
6°	3433.1	3181.2	2757.2	2550.6	2440.8
7°	3439.5	3108.1	2619.5	2397.8	2311.7
8°	3437.4	3022.0	2492.5	2281.5	2186.8
9°	3443.8	2938.0	2354.7	2171.8	2100.7
10°	3437.4	2860.5	2264.3	2068.5	1995.3
11°	3437.4	2785.2	2199.7	2001.7	1939.3
12°	3441.7	2699.1	2128.7	1907.0	1820.9
13°	3452.4	2610.9	2046.9	1803.7	1702.5
14°	3454.6	2544.1	1971.6	1672.4	1566.9
15°	3446.0	2481.7	1892.0	1554.0	1429.2
16°	3441.7	2417.1	1797.3	1442.1	1330.2
17°	3450.3	2341.8	1689.6	1328.0	1224.7
18°	3452.4	2272.9	1575.6	1241.9	1151.5
19°	3452.4	2219.1	1483.0	1162.3	1084.8
20°	3452.4	2167.5	1388.3	1102.0	1035.3
21°	3448.1	2102.9	1280.7	1039.6	983.6
22.5°	3450.3	1982.4	1158.0	966.4	921.2
23°	3443.8	1952.2	1127.9	947.1	899.7
24°	3446.0	1866.1	1063.3	908.3	863.1
25°	3448.1	1756.4	1000.9	869.6	828.7
26°	3443.8	1668.1	949.2	833.0	805.0
27°	3433.1	1597.1	912.6	802.8	777.0
28°	3418.0	1502.4	873.9	777.0	753.3
29°	3402.9	1394.8	835.1	749.0	731.8
30°	3394.3	1308.7	798.5	727.5	712.4
32.5°	3342.7	1138.6	723.2	684.5	671.5
35°	3245.8	977.2	669.4	647.9	639.3
37.5°	3118.8	852.3	628.5	624.2	626.3
40°	2910.0	753.3	598.4	617.7	637.1
42.5°	2660.4	675.9	576.8	624.2	645.7
45°	2346.1	617.7	563.9	624.2	645.7
47.5°	1997.4	570.4	548.9	602.7	624.2
50°	1648.7	527.3	518.7	570.4	589.8
52.5°	1340.9	486.4	480.0	529.5	548.9
55°	1076.2	441.2	434.8	488.6	508.0
57.5°	863.1	398.2	391.7	441.2	460.6
60°	688.8	355.1	344.4	393.9	413.3
62.5°	548.9	314.2	307.8	350.8	368.1
65°	430.5	277.7	273.4	312.1	322.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	340.1	243.2	245.4	277.7	290.6
70°	262.6	210.9	223.8	254.0	262.6
72.5°	198.0	178.6	206.6	232.5	243.2
75°	146.4	150.7	189.4	217.4	228.2
77.5°	101.2	124.8	174.3	204.5	215.2
80°	68.9	101.2	159.3	193.7	206.6
82.5°	40.9	83.9	146.4	183.0	198.0
85°	19.4	68.9	133.4	174.3	187.3
87.5°	6.5	56.0	120.5	165.7	176.5
90°	0.0	47.4	111.9	155.0	161.4
92.5°	0.0	40.9	101.2	142.1	146.4
95°	0.0	34.4	92.6	127.0	133.4
97.5°	0.0	32.3	86.1	114.1	122.7
100°	0.0	30.1	77.5	103.3	111.9
102.5°	0.0	25.8	68.9	92.6	101.2
105°	0.0	25.8	60.3	86.1	92.6
107.5°	2.2	23.7	56.0	77.5	86.1
110°	2.2	23.7	49.5	73.2	79.6
112.5°	2.2	23.7	47.4	66.7	75.3
115°	2.2	21.5	45.2	62.4	66.7
117.5°	2.2	21.5	43.0	56.0	60.3
120°	2.2	19.4	40.9	51.7	53.8
122.5°	2.2	19.4	38.7	47.4	49.5
125°	2.2	19.4	38.7	45.2	47.4
127.5°	2.2	17.2	36.6	43.0	43.0
130°	2.2	17.2	34.4	40.9	40.9
132.5°	2.2	15.1	32.3	38.7	40.9
135°	2.2	15.1	30.1	36.6	38.7
137.5°	2.2	12.9	28.0	34.4	36.6
140°	2.2	12.9	25.8	32.3	34.4
142.5°	2.2	10.8	23.7	30.1	32.3
145°	2.2	10.8	21.5	28.0	30.1
147.5°	2.2	10.8	19.4	25.8	28.0
150°	2.2	8.6	17.2	23.7	25.8
152.5°	2.2	8.6	15.1	21.5	23.7
155°	2.2	6.5	12.9	19.4	21.5
157.5°	2.2	6.5	12.9	17.2	19.4
160°	4.3	6.5	10.8	15.1	17.2
162.5°	2.2	4.3	10.8	12.9	15.1
165°	4.3	4.3	8.6	10.8	12.9
167.5°	4.3	4.3	6.5	8.6	10.8
170°	4.3	4.3	6.5	6.5	8.6
172.5°	4.3	4.3	4.3	6.5	4.3
175°	4.3	4.3	4.3	4.3	2.2
177.5°	4.3	4.3	4.3	4.3	2.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.3	4.3	4.3	4.3	4.3

(END OF REPORT)