

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: P567740

Luminaire Tested: **8SNX-40SL-LC-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567740
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-L840-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

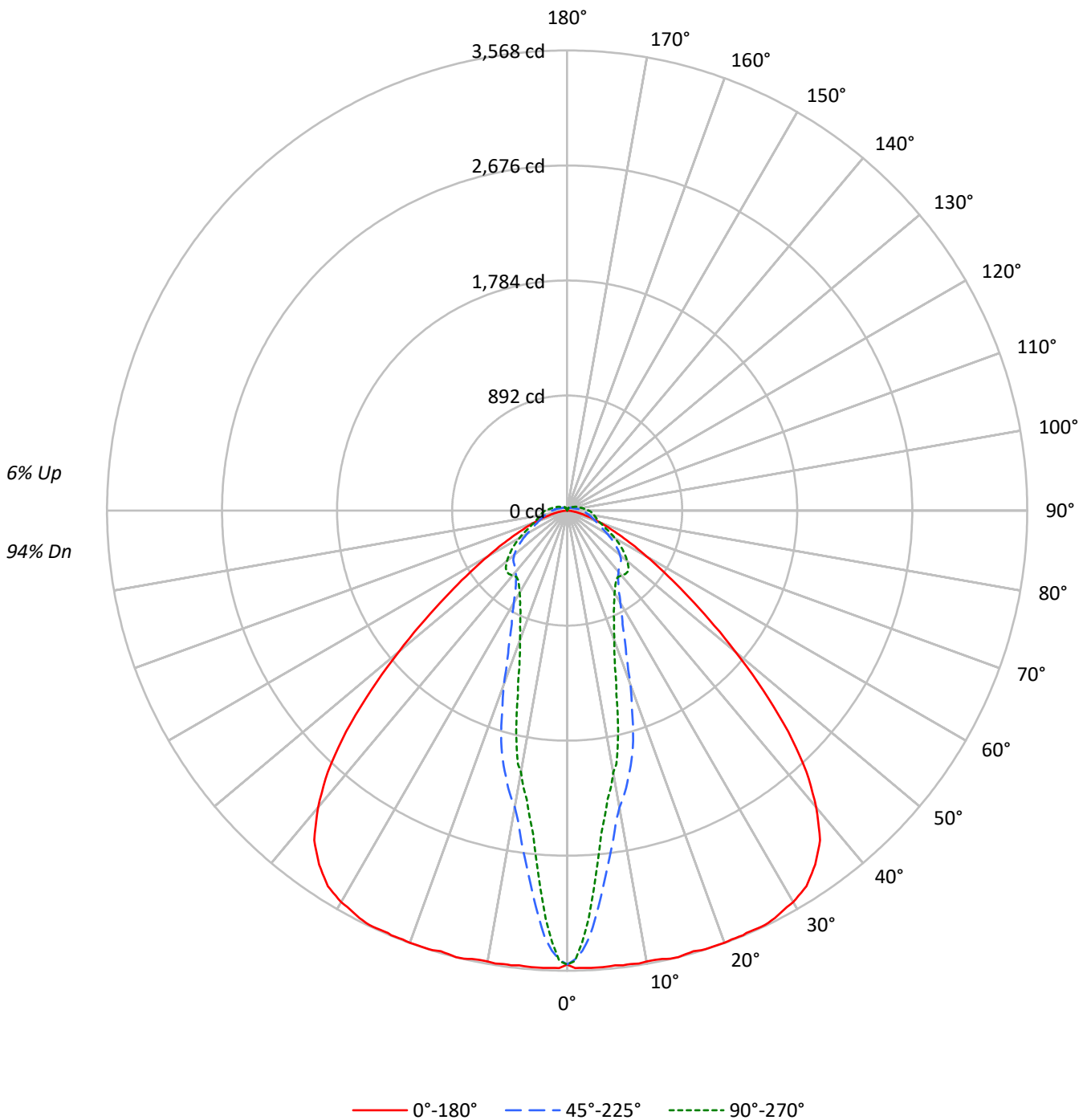
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4338.0 lumens
Efficiency: N/A
Efficacy: 179.3 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 (A_{in}): 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°	18940	18940	18940
5°	19146	15576	13925
10°	19331	11772	10078
15°	19721	9633	6978
20°	20269	6978	4928
25°	20945	5004	3877
30°	21529	4002	3302
35°	21710	3389	2958
40°	20754	3084	2965
45°	18067	2983	3046
50°	13913	2840	2842
55°	10129	2487	2522
60°	7391	2079	2132
65°	5420	1760	1748
70°	4036	1558	1507
75°	2917	1445	1405
80°	1971	1357	1383
85°	997	1298	1385



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.8	6.4
10°-20°	601.0	13.9
20°-30°	687.9	15.9
30°-40°	689.2	15.9
40°-50°	652.4	15.0
50°-60°	500.3	11.5
60°-70°	322.5	7.4
70°-80°	205.6	4.7
80°-90°	136.6	3.1
90°-100°	91.8	2.1
100°-110°	60.5	1.4
110°-120°	42.1	1.0
120°-130°	29.3	0.7
130°-140°	20.4	0.5
140°-150°	12.5	0.3
150°-160°	6.3	0.1
160°-170°	2.4	0.1
170°-180°	0.5	0.0
0°-30°	1565.7	36.1
0°-40°	2254.8	52.0
0°-60°	3407.5	78.6
0°-90°	4072.2	93.9
90°-120°	194.3	4.5
90°-150°	256.5	5.9
90°-180°	266.0	6.1
0°-180°	4338.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3519	3519	3519	3519	3519	
5°	3550	3355	3006	2803	2728	339
15°	3559	2563	1954	1605	1476	1010
25°	3561	1814	1034	898	856	1642
35°	3352	1009	691	669	660	2080
45°	2423	638	582	645	667	1842
55°	1112	456	449	505	525	1022
65°	445	287	282	322	334	457
75°	151	156	196	224	236	166
85°	20	71	138	180	193	27
90°	0	49	116	160	167	1
95°	0	36	96	131	138	0
105°	0	27	62	89	96	1
115°	2	22	47	64	69	2
125°	2	20	40	47	49	2
135°	2	16	31	38	40	2
145°	2	11	22	29	31	1
155°	2	7	13	20	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°	3519.2	3519.2	3519.2	3519.2	3519.2
1°	3548.1	3528.1	3481.4	3494.7	3492.5
2°	3548.1	3505.9	3414.7	3388.0	3348.0
3°	3550.3	3468.1	3312.4	3225.7	3170.2
4°	3550.3	3412.5	3161.3	3016.8	2945.6
5°	3550.3	3354.7	3005.7	2803.4	2727.8
6°	3545.9	3285.8	2847.8	2634.4	2521.0
7°	3552.5	3210.2	2705.5	2476.6	2387.6
8°	3550.3	3121.3	2574.4	2356.5	2258.7
9°	3557.0	3034.6	2432.1	2243.1	2169.8
10°	3550.3	2954.5	2338.7	2136.4	2060.8
11°	3550.3	2876.7	2272.0	2067.5	2003.0
12°	3554.8	2787.8	2198.7	1969.7	1880.8
13°	3565.9	2696.6	2114.2	1863.0	1758.5
14°	3568.1	2627.7	2036.4	1727.4	1618.4
15°	3559.2	2563.3	1954.1	1605.1	1476.2
16°	3554.8	2496.6	1856.3	1489.5	1373.9
17°	3563.7	2418.8	1745.1	1371.7	1265.0
18°	3565.9	2347.6	1627.3	1282.7	1189.4
19°	3565.9	2292.0	1531.7	1200.5	1120.5
20°	3565.9	2238.7	1433.9	1138.2	1069.3
21°	3561.4	2172.0	1322.8	1073.8	1016.0
22.5°	3563.7	2047.5	1196.0	998.2	951.5
23°	3557.0	2016.4	1164.9	978.2	929.3
24°	3559.2	1927.4	1098.2	938.2	891.5
25°	3561.4	1814.1	1033.7	898.1	855.9
26°	3557.0	1722.9	980.4	860.3	831.4
27°	3545.9	1649.6	942.6	829.2	802.5
28°	3530.3	1551.7	902.6	802.5	778.1
29°	3514.7	1440.6	862.6	773.6	755.9
30°	3505.9	1351.7	824.8	751.4	735.9
32.5°	3452.5	1176.0	747.0	707.0	693.6
35°	3352.5	1009.3	691.4	669.2	660.3
37.5°	3221.3	880.4	649.2	644.7	646.9
40°	3005.7	778.1	618.0	638.0	658.0
42.5°	2747.8	698.1	595.8	644.7	666.9
45°	2423.2	638.0	582.5	644.7	666.9
47.5°	2063.1	589.1	566.9	622.5	644.7
50°	1702.9	544.7	535.8	589.1	609.1
52.5°	1385.0	502.4	495.8	546.9	566.9
55°	1111.6	455.7	449.1	504.6	524.7
57.5°	891.5	411.3	404.6	455.7	475.7
60°	711.4	366.8	355.7	406.8	426.8
62.5°	566.9	324.6	317.9	362.4	380.2
65°	444.6	286.8	282.3	322.4	333.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	351.3	251.2	253.4	286.8	300.1
70°	271.2	217.9	231.2	262.3	271.2
72.5°	204.5	184.5	213.4	240.1	251.2
75°	151.2	155.6	195.6	224.5	235.7
77.5°	104.5	128.9	180.1	211.2	222.3
80°	71.1	104.5	164.5	200.1	213.4
82.5°	42.2	86.7	151.2	189.0	204.5
85°	20.0	71.1	137.8	180.1	193.4
87.5°	6.7	57.8	124.5	171.2	182.3
90°	0.0	48.9	115.6	160.1	166.7
92.5°	0.0	42.2	104.5	146.7	151.2
95°	0.0	35.6	95.6	131.2	137.8
97.5°	0.0	33.3	88.9	117.8	126.7
100°	0.0	31.1	80.0	106.7	115.6
102.5°	0.0	26.7	71.1	95.6	104.5
105°	0.0	26.7	62.2	88.9	95.6
107.5°	2.2	24.5	57.8	80.0	88.9
110°	2.2	24.5	51.1	75.6	82.3
112.5°	2.2	24.5	48.9	68.9	77.8
115°	2.2	22.2	46.7	64.5	68.9
117.5°	2.2	22.2	44.5	57.8	62.2
120°	2.2	20.0	42.2	53.4	55.6
122.5°	2.2	20.0	40.0	48.9	51.1
125°	2.2	20.0	40.0	46.7	48.9
127.5°	2.2	17.8	37.8	44.5	44.5
130°	2.2	17.8	35.6	42.2	42.2
132.5°	2.2	15.6	33.3	40.0	42.2
135°	2.2	15.6	31.1	37.8	40.0
137.5°	2.2	13.3	28.9	35.6	37.8
140°	2.2	13.3	26.7	33.3	35.6
142.5°	2.2	11.1	24.5	31.1	33.3
145°	2.2	11.1	22.2	28.9	31.1
147.5°	2.2	11.1	20.0	26.7	28.9
150°	2.2	8.9	17.8	24.5	26.7
152.5°	2.2	8.9	15.6	22.2	24.5
155°	2.2	6.7	13.3	20.0	22.2
157.5°	2.2	6.7	13.3	17.8	20.0
160°	4.4	6.7	11.1	15.6	17.8
162.5°	2.2	4.4	11.1	13.3	15.6
165°	4.4	4.4	8.9	11.1	13.3
167.5°	4.4	4.4	6.7	8.9	11.1
170°	4.4	4.4	6.7	6.7	8.9
172.5°	4.4	4.4	4.4	6.7	4.4
175°	4.4	4.4	4.4	4.4	2.2
177.5°	4.4	4.4	4.4	4.4	2.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.4	4.4	4.4	4.4	4.4

(END OF REPORT)