

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: P567741

Luminaire Tested: **8SNX-40SL-LC-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567741
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-L850-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

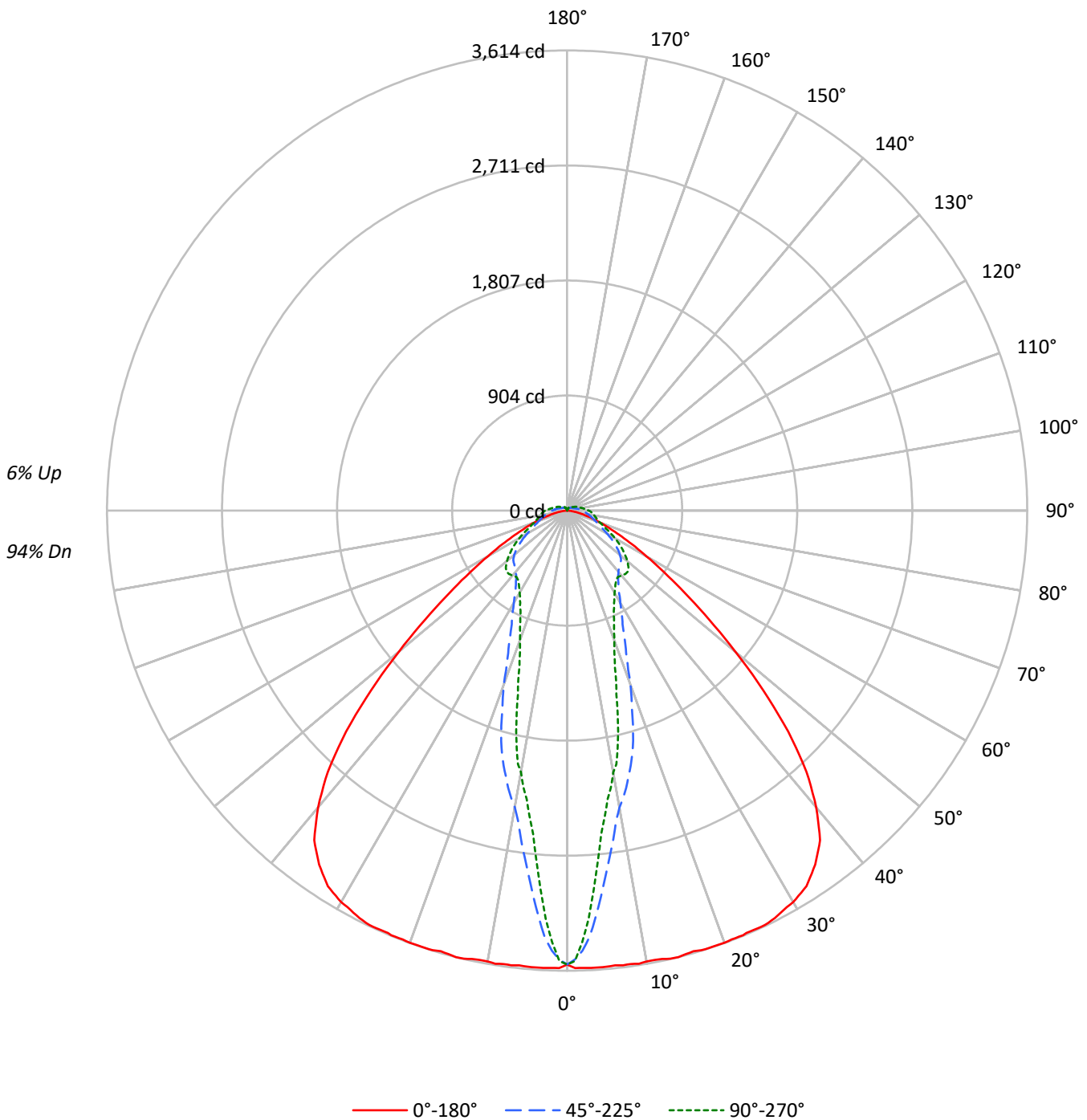
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4394.0 lumens
Efficiency: N/A
Efficacy: 181.6 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 (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	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°	19185	19185	19185
5°	19393	15777	14104
10°	19581	11924	10208
15°	19976	9757	7068
20°	20531	7068	4992
25°	21216	5069	3927
30°	21806	4054	3345
35°	21990	3433	2996
40°	21022	3124	3003
45°	18301	3022	3085
50°	14092	2877	2879
55°	10259	2519	2554
60°	7486	2105	2160
65°	5490	1783	1771
70°	4089	1578	1527
75°	2954	1464	1423
80°	1998	1374	1402
85°	1012	1315	1403



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.3	6.4
10°-20°	608.7	13.9
20°-30°	696.8	15.9
30°-40°	698.0	15.9
40°-50°	660.8	15.0
50°-60°	506.8	11.5
60°-70°	326.7	7.4
70°-80°	208.3	4.7
80°-90°	138.3	3.1
90°-100°	93.0	2.1
100°-110°	61.3	1.4
110°-120°	42.6	1.0
120°-130°	29.7	0.7
130°-140°	20.6	0.5
140°-150°	12.6	0.3
150°-160°	6.4	0.1
160°-170°	2.5	0.1
170°-180°	0.5	0.0
0°-30°	1585.9	36.1
0°-40°	2283.9	52.0
0°-60°	3451.5	78.5
0°-90°	4124.8	93.9
90°-120°	196.9	4.5
90°-150°	259.9	5.9
90°-180°	269.0	6.1
0°-180°	4394.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3565	3565	3565	3565	3565	
5°	3596	3398	3044	2840	2763	343
15°	3605	2596	1979	1626	1495	1023
25°	3607	1838	1047	910	867	1663
35°	3396	1022	700	678	669	2107
45°	2454	646	590	653	676	1866
55°	1126	462	455	511	531	1035
65°	450	290	286	326	338	463
75°	153	158	198	227	239	168
85°	20	72	140	182	196	28
90°	0	50	117	162	169	1
95°	0	36	97	133	140	0
105°	0	27	63	90	97	2
115°	2	22	47	65	70	2
125°	2	20	40	47	50	2
135°	2	16	32	38	40	2
145°	2	11	22	29	32	1
155°	2	7	14	20	22	1
165°	4	4	9	11	14	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



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CATALOG NUMBER: 8SNX-40SL-LC-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3564.6	3564.6	3564.6	3564.6	3564.6
1°	3593.9	3573.6	3526.3	3539.9	3537.6
2°	3593.9	3551.1	3458.8	3431.8	3391.2
3°	3596.2	3512.8	3355.2	3267.4	3211.1
4°	3596.2	3456.5	3202.1	3055.7	2983.7
5°	3596.2	3398.0	3044.5	2839.5	2763.0
6°	3591.6	3328.2	2884.6	2668.4	2553.6
7°	3598.4	3251.6	2740.5	2508.5	2418.5
8°	3596.2	3161.6	2607.6	2386.9	2287.8
9°	3602.9	3073.7	2463.5	2272.1	2197.8
10°	3596.2	2992.7	2368.9	2164.0	2087.4
11°	3596.2	2913.9	2301.4	2094.2	2028.9
12°	3600.7	2823.8	2227.0	1995.1	1905.0
13°	3611.9	2731.5	2141.5	1887.0	1781.2
14°	3614.2	2661.6	2062.7	1749.7	1639.3
15°	3605.2	2596.3	1979.3	1625.8	1495.2
16°	3600.7	2528.8	1880.3	1508.7	1391.6
17°	3609.7	2450.0	1767.7	1389.4	1281.3
18°	3611.9	2377.9	1648.3	1299.3	1204.7
19°	3611.9	2321.6	1551.5	1216.0	1134.9
20°	3611.9	2267.6	1452.4	1152.9	1083.1
21°	3607.4	2200.0	1339.8	1087.6	1029.1
22.5°	3609.7	2073.9	1211.5	1011.1	963.8
23°	3602.9	2042.4	1180.0	990.8	941.3
24°	3605.2	1952.3	1112.4	950.3	903.0
25°	3607.4	1837.5	1047.1	909.7	866.9
26°	3602.9	1745.2	993.1	871.5	842.2
27°	3591.6	1670.8	954.8	839.9	812.9
28°	3575.9	1571.8	914.2	812.9	788.1
29°	3560.1	1459.2	873.7	783.6	765.6
30°	3551.1	1369.1	835.4	761.1	745.4
32.5°	3497.1	1191.2	756.6	716.1	702.6
35°	3395.7	1022.3	700.3	677.8	668.8
37.5°	3262.9	891.7	657.5	653.0	655.3
40°	3044.5	788.1	626.0	646.3	666.5
42.5°	2783.2	707.1	603.5	653.0	675.5
45°	2454.5	646.3	590.0	653.0	675.5
47.5°	2089.7	596.7	574.2	630.5	653.0
50°	1724.9	551.7	542.7	596.7	617.0
52.5°	1402.9	508.9	502.2	553.9	574.2
55°	1125.9	461.6	454.9	511.2	531.4
57.5°	903.0	416.6	409.8	461.6	481.9
60°	720.6	371.5	360.3	412.1	432.3
62.5°	574.2	328.8	322.0	367.0	385.1
65°	450.4	290.5	286.0	326.5	337.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	355.8	254.5	256.7	290.5	304.0
70°	274.7	220.7	234.2	265.7	274.7
72.5°	207.2	186.9	216.2	243.2	254.5
75°	153.1	157.6	198.2	227.4	238.7
77.5°	105.8	130.6	182.4	213.9	225.2
80°	72.1	105.8	166.6	202.7	216.2
82.5°	42.8	87.8	153.1	191.4	207.2
85°	20.3	72.1	139.6	182.4	195.9
87.5°	6.8	58.5	126.1	173.4	184.6
90°	0.0	49.5	117.1	162.1	168.9
92.5°	0.0	42.8	105.8	148.6	153.1
95°	0.0	36.0	96.8	132.9	139.6
97.5°	0.0	33.8	90.1	119.3	128.4
100°	0.0	31.5	81.1	108.1	117.1
102.5°	0.0	27.0	72.1	96.8	105.8
105°	0.0	27.0	63.1	90.1	96.8
107.5°	2.3	24.8	58.5	81.1	90.1
110°	2.3	24.8	51.8	76.6	83.3
112.5°	2.3	24.8	49.5	69.8	78.8
115°	2.3	22.5	47.3	65.3	69.8
117.5°	2.3	22.5	45.0	58.5	63.1
120°	2.3	20.3	42.8	54.0	56.3
122.5°	2.3	20.3	40.5	49.5	51.8
125°	2.3	20.3	40.5	47.3	49.5
127.5°	2.3	18.0	38.3	45.0	45.0
130°	2.3	18.0	36.0	42.8	42.8
132.5°	2.3	15.8	33.8	40.5	42.8
135°	2.3	15.8	31.5	38.3	40.5
137.5°	2.3	13.5	29.3	36.0	38.3
140°	2.3	13.5	27.0	33.8	36.0
142.5°	2.3	11.3	24.8	31.5	33.8
145°	2.3	11.3	22.5	29.3	31.5
147.5°	2.3	11.3	20.3	27.0	29.3
150°	2.3	9.0	18.0	24.8	27.0
152.5°	2.3	9.0	15.8	22.5	24.8
155°	2.3	6.8	13.5	20.3	22.5
157.5°	2.3	6.8	13.5	18.0	20.3
160°	4.5	6.8	11.3	15.8	18.0
162.5°	2.3	4.5	11.3	13.5	15.8
165°	4.5	4.5	9.0	11.3	13.5
167.5°	4.5	4.5	6.8	9.0	11.3
170°	4.5	4.5	6.8	6.8	9.0
172.5°	4.5	4.5	4.5	6.8	4.5
175°	4.5	4.5	4.5	4.5	2.3
177.5°	4.5	4.5	4.5	4.5	2.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.5	4.5	4.5	4.5	4.5

(END OF REPORT)