

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: P565701

Luminaire Tested: **2SNX-40HL-LC-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565701
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-40HL-LC-UNV-L850-CD
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

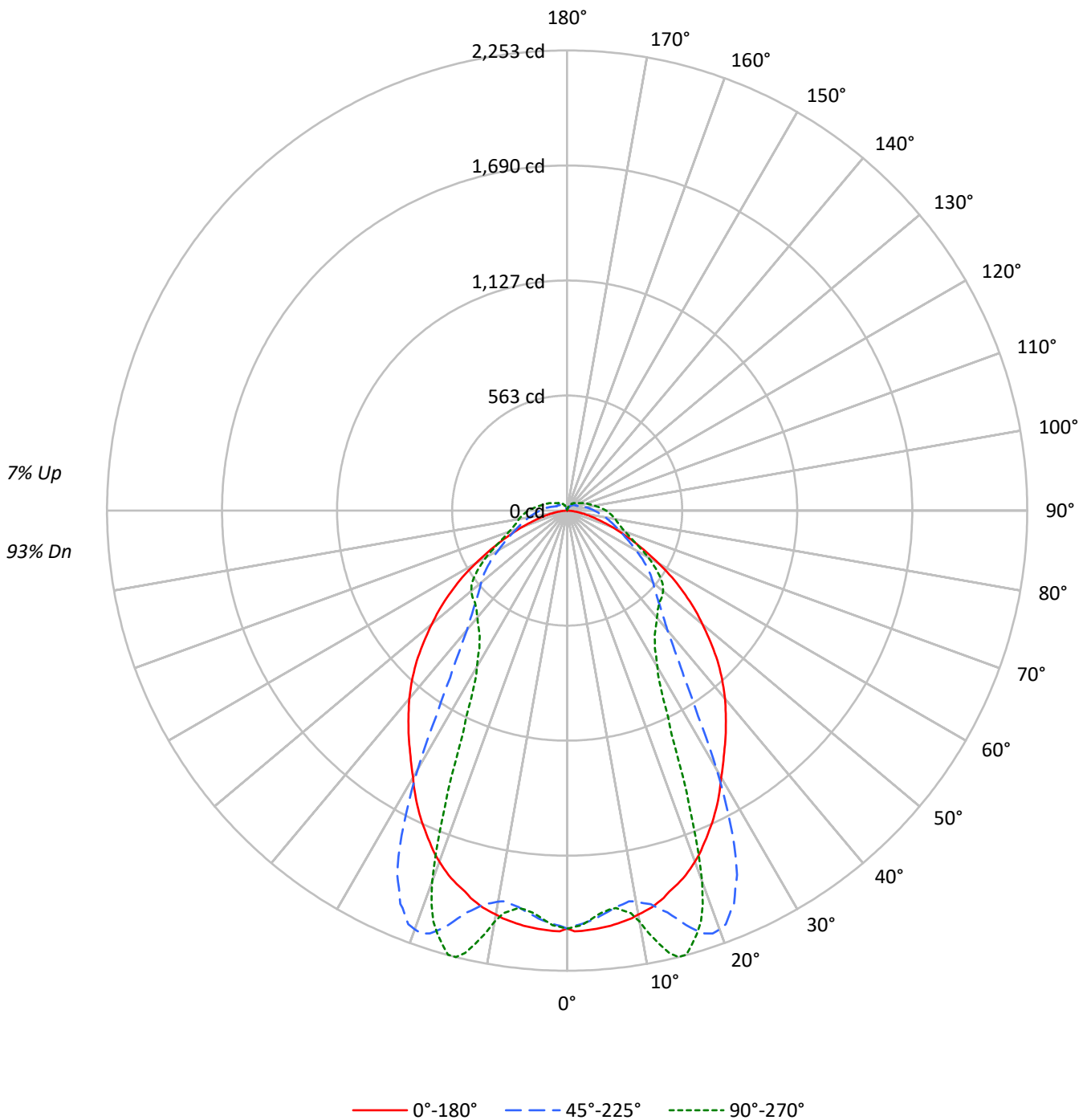
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4548.0 lumens
Efficiency: N/A
Efficacy: 165.1 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 27.55
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	89	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	83	78	84	79	75	80	76	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	68	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	58	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	46	41	65	54	46	40	51	45	40	49	43	39	48	42	38	36				
8	63	50	42	37	61	49	42	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	39	34	57	46	38	33	44	37	33	42	36	32	41	36	32	30				
10	56	43	36	31	54	42	35	30	41	34	30	40	34	30	38	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	44055	44055	44055
5°	43948	41015	40326
10°	43263	38854	39988
15°	42099	40326	42569
20°	40668	41910	35627
25°	38470	37490	21905
30°	35787	27844	15855
35°	33572	19162	13375
40°	31572	14827	12327
45°	29272	12585	11656
50°	26338	11258	11442
55°	23267	10145	10588
60°	19411	8743	9158
65°	15454	7579	7644
70°	11770	6778	6731
75°	8724	6262	6276
80°	5674	5887	6213
85°	2631	5561	6169



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.4	4.2
10°-20°	581.9	12.8
20°-30°	783.5	17.2
30°-40°	741.5	16.3
40°-50°	654.5	14.4
50°-60°	531.6	11.7
60°-70°	361.5	7.9
70°-80°	232.6	5.1
80°-90°	154.7	3.4
90°-100°	106.3	2.3
100°-110°	71.4	1.6
110°-120°	50.3	1.1
120°-130°	36.0	0.8
130°-140°	25.4	0.6
140°-150°	15.8	0.3
150°-160°	7.7	0.2
160°-170°	2.7	0.1
170°-180°	0.5	0.0
0°-30°	1555.7	34.2
0°-40°	2297.2	50.5
0°-60°	3483.3	76.6
0°-90°	4232.1	93.1
90°-120°	228.0	5.0
90°-150°	305.1	6.7
90°-180°	316.0	6.9
0°-180°	4548.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2046	2046	2046	2046	2046	
5°	2048	2030	1986	1985	1975	194
15°	1931	1919	2066	2249	2251	544
25°	1682	1995	1969	1430	1209	772
35°	1352	1897	1000	770	746	846
45°	1042	1276	633	625	638	800
55°	694	755	475	530	551	620
65°	358	407	318	353	365	359
75°	138	192	224	251	263	150
85°	21	82	159	201	215	27
90°	1	57	133	178	190	1
95°	1	44	112	151	162	1
105°	1	31	74	104	116	1
115°	1	26	54	77	87	2
125°	2	22	46	58	62	2
135°	3	17	38	49	51	2
145°	3	12	27	38	41	2
155°	4	8	17	25	28	2
165°	4	5	9	12	15	1
175°	4	4	4	4	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2046.4	2046.4	2046.4	2046.4	2046.4
1°	2060.3	2054.0	2033.2	2044.3	2038.7
2°	2059.6	2049.2	2025.5	2038.0	2031.1
3°	2056.1	2045.0	2014.4	2022.1	2011.7
4°	2052.6	2039.4	2002.6	2002.6	1990.8
5°	2048.5	2029.7	1986.0	1984.6	1974.9
6°	2043.6	2022.1	1971.4	1970.0	1964.4
7°	2036.7	2008.9	1955.4	1965.1	1961.0
8°	2028.3	1996.4	1947.1	1971.4	1977.6
9°	2020.7	1981.1	1937.4	1990.8	1995.7
10°	2008.2	1967.2	1943.6	2029.7	2044.3
11°	1997.8	1955.4	1957.5	2067.9	2111.6
12°	1987.4	1942.9	1970.7	2115.8	2169.3
13°	1970.0	1933.2	1999.9	2167.9	2222.8
14°	1954.7	1925.6	2028.3	2220.7	2253.3
15°	1931.1	1918.6	2066.5	2249.1	2251.2
16°	1915.1	1913.7	2111.0	2251.2	2212.3
17°	1897.1	1911.7	2147.1	2215.1	2169.3
18°	1876.9	1915.8	2176.9	2170.0	2117.2
19°	1854.0	1920.0	2189.4	2107.5	2039.4
20°	1829.0	1926.2	2182.5	2042.2	1932.5
21°	1804.0	1934.6	2169.3	1973.5	1792.2
22.5°	1757.5	1954.7	2106.8	1780.4	1560.3
23°	1744.3	1958.9	2092.2	1720.0	1499.9
24°	1711.7	1976.2	2025.5	1579.0	1340.2
25°	1682.5	1995.0	1968.6	1429.8	1208.9
26°	1649.9	2008.9	1882.5	1292.3	1128.4
27°	1617.9	2017.2	1784.6	1185.3	1038.1
28°	1581.1	2026.2	1678.3	1093.0	970.1
29°	1546.4	2027.6	1573.5	1019.4	916.6
30°	1508.9	2020.7	1463.1	960.3	883.3
32.5°	1427.0	1982.5	1193.0	847.9	799.9
35°	1352.0	1897.1	999.9	770.1	746.5
37.5°	1276.3	1762.4	864.5	721.5	713.8
40°	1202.0	1602.7	762.4	682.6	684.0
42.5°	1123.5	1438.1	692.3	650.6	656.9
45°	1041.6	1276.3	632.6	625.0	638.1
47.5°	950.6	1128.4	585.4	608.3	628.4
50°	864.5	981.9	548.6	592.3	613.1
52.5°	782.6	861.7	515.2	565.2	589.5
55°	693.7	754.8	475.0	530.5	550.7
57.5°	609.0	658.3	432.6	487.5	505.5
60°	515.9	563.2	389.6	440.9	458.3
62.5°	431.9	481.9	352.8	394.4	408.3
65°	357.6	406.9	318.0	353.4	364.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	291.6	344.4	289.6	319.4	329.8
70°	229.8	285.4	264.6	291.6	302.8
72.5°	179.8	236.1	243.7	268.7	279.8
75°	137.5	192.3	224.3	251.4	263.2
77.5°	102.1	156.9	206.2	237.5	250.0
80°	67.4	125.0	190.3	225.0	239.6
82.5°	42.4	100.7	174.3	212.5	227.8
85°	20.8	81.9	159.0	201.4	215.3
87.5°	6.9	68.1	145.1	190.3	202.1
90°	0.7	56.9	132.6	178.5	190.3
92.5°	0.7	49.3	122.2	164.6	176.4
95°	0.7	43.7	111.8	151.4	161.8
97.5°	0.7	39.6	102.1	137.5	148.6
100°	0.7	35.4	91.7	124.3	136.1
102.5°	1.4	32.6	82.6	113.2	125.7
105°	1.4	30.6	73.6	103.5	116.0
107.5°	1.4	29.2	66.0	95.8	107.6
110°	1.4	27.8	60.4	88.9	101.4
112.5°	1.4	27.1	56.9	82.6	94.4
115°	1.4	26.4	54.2	77.1	86.8
117.5°	2.1	25.7	52.1	71.5	79.2
120°	2.1	24.3	50.7	66.7	72.9
122.5°	2.1	22.9	48.6	62.5	67.4
125°	2.1	22.2	46.5	58.3	62.5
127.5°	2.1	20.8	44.4	54.9	59.0
130°	2.8	19.4	42.4	52.1	55.6
132.5°	2.8	18.1	40.3	50.7	53.5
135°	2.8	17.4	38.2	48.6	51.4
137.5°	2.8	16.0	36.1	46.5	49.3
140°	2.8	14.6	33.3	43.7	46.5
142.5°	2.8	13.9	30.6	41.0	43.7
145°	2.8	12.5	27.1	37.5	41.0
147.5°	3.5	11.8	24.3	34.7	37.5
150°	3.5	10.4	21.5	31.9	34.7
152.5°	3.5	9.0	18.7	28.5	31.2
155°	3.5	7.6	16.7	25.0	28.5
157.5°	3.5	6.9	14.6	20.8	25.0
160°	3.5	6.2	12.5	18.1	21.5
162.5°	3.5	5.6	11.1	15.3	18.7
165°	3.5	4.9	9.0	12.5	15.3
167.5°	4.2	4.9	7.6	9.7	12.5
170°	4.2	4.9	6.2	7.6	9.7
172.5°	4.2	4.2	4.9	5.6	6.2
175°	4.2	4.2	4.2	4.2	3.5
177.5°	4.2	4.2	4.2	3.5	3.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.5	3.5	3.5	3.5	3.5

(END OF REPORT)