

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: P565747

Luminaire Tested: **2SNX-44HL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565747
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-44HL-LC-UNV-L835-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

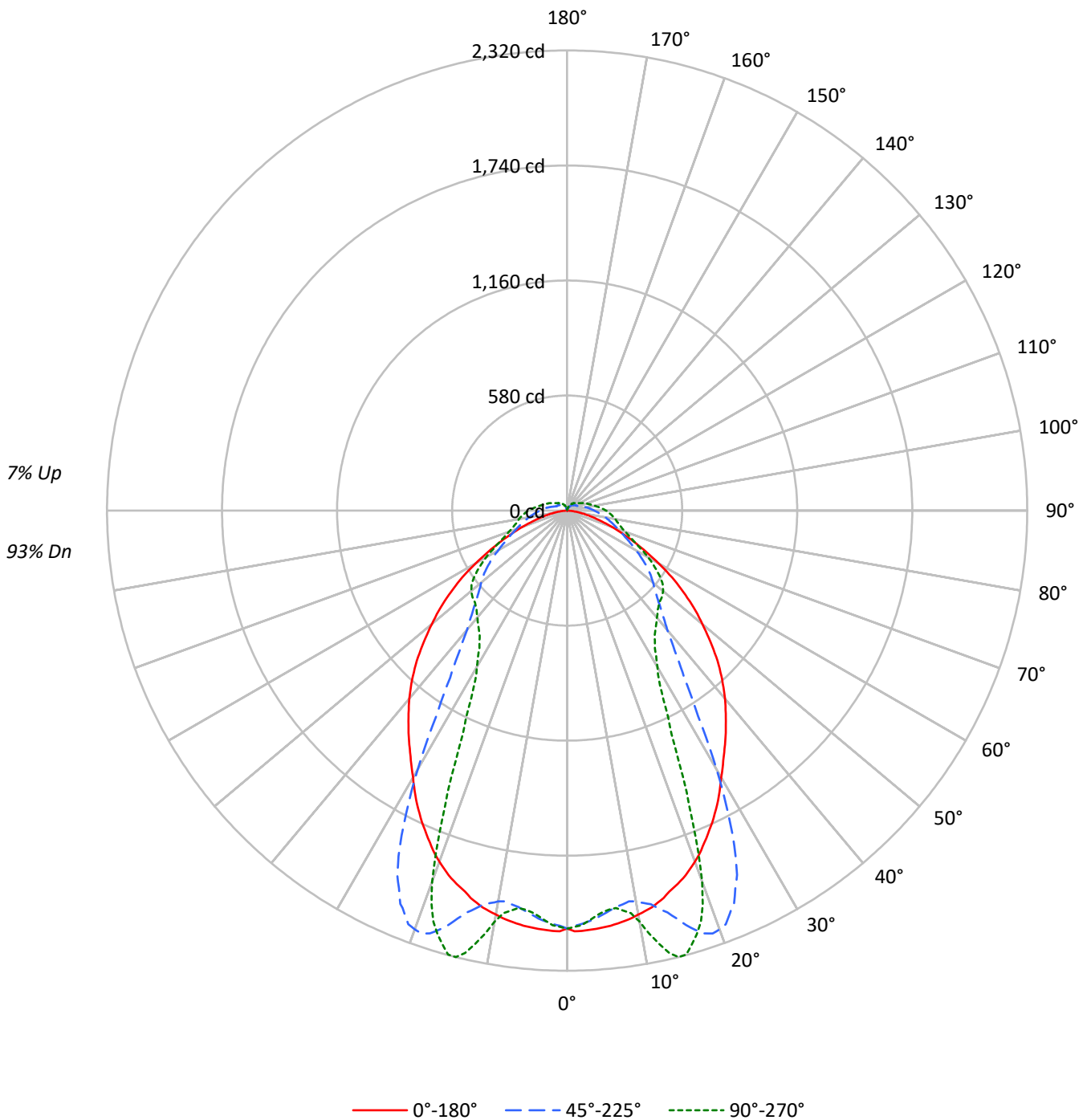
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4683.0 lumens
Efficiency: N/A
Efficacy: 150.6 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): 31.1
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°	45361	45361	45361
5°	45252	42231	41522
10°	44547	40007	41175
15°	43348	41524	43832
20°	41875	43154	36686
25°	39613	38602	22556
30°	36849	28670	16325
35°	34568	19731	13771
40°	32509	15269	12692
45°	30140	12959	12003
50°	27121	11592	11782
55°	23958	10446	10901
60°	19986	9001	9429
65°	15912	7805	7870
70°	12123	6978	6929
75°	8984	6446	6462
80°	5843	6060	6397
85°	2720	5726	6353



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.1	4.2
10°-20°	599.1	12.8
20°-30°	806.7	17.2
30°-40°	763.5	16.3
40°-50°	673.9	14.4
50°-60°	547.3	11.7
60°-70°	372.2	7.9
70°-80°	239.5	5.1
80°-90°	159.3	3.4
90°-100°	109.5	2.3
100°-110°	73.5	1.6
110°-120°	51.8	1.1
120°-130°	37.0	0.8
130°-140°	26.1	0.6
140°-150°	16.2	0.3
150°-160°	7.9	0.2
160°-170°	2.8	0.1
170°-180°	0.5	0.0
0°-30°	1601.9	34.2
0°-40°	2365.4	50.5
0°-60°	3586.7	76.6
0°-90°	4357.7	93.1
90°-120°	234.8	5.0
90°-150°	314.1	6.7
90°-180°	325.0	6.9
0°-180°	4683.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2107	2107	2107	2107	2107	
5°	2109	2090	2045	2044	2034	200
15°	1988	1976	2128	2316	2318	561
25°	1732	2054	2027	1472	1245	795
35°	1392	1953	1030	793	769	871
45°	1072	1314	651	644	657	823
55°	714	777	489	546	567	638
65°	368	419	328	364	375	370
75°	142	198	231	259	271	154
85°	22	84	164	207	222	28
90°	1	59	137	184	196	1
95°	1	45	115	156	167	1
105°	1	32	76	106	119	1
115°	1	27	56	79	89	2
125°	2	23	48	60	64	2
135°	3	18	39	50	53	2
145°	3	13	28	39	42	2
155°	4	8	17	26	29	2
165°	4	5	9	13	16	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°	2107.1	2107.1	2107.1	2107.1	2107.1
1°	2121.4	2115.0	2093.5	2105.0	2099.3
2°	2120.7	2110.0	2085.7	2098.5	2091.4
3°	2117.1	2105.7	2074.2	2082.1	2071.4
4°	2113.6	2100.0	2062.1	2062.1	2049.9
5°	2109.3	2090.0	2044.9	2043.5	2033.5
6°	2104.3	2082.1	2029.9	2028.5	2022.7
7°	2097.1	2068.5	2013.5	2023.5	2019.2
8°	2088.5	2055.6	2004.9	2029.9	2036.3
9°	2080.7	2039.9	1994.9	2049.9	2054.9
10°	2067.8	2025.6	2001.3	2090.0	2105.0
11°	2057.1	2013.5	2015.6	2129.3	2174.3
12°	2046.3	2000.6	2029.2	2178.6	2233.7
13°	2028.5	1990.6	2059.2	2232.2	2288.7
14°	2012.7	1982.7	2088.5	2286.6	2320.2
15°	1988.4	1975.6	2127.9	2315.9	2318.0
16°	1972.0	1970.6	2173.6	2318.0	2278.0
17°	1953.4	1968.4	2210.8	2280.9	2233.7
18°	1932.7	1972.7	2241.5	2234.4	2180.0
19°	1909.1	1977.0	2254.4	2170.0	2100.0
20°	1883.3	1983.4	2247.3	2102.8	1989.9
21°	1857.6	1992.0	2233.7	2032.0	1845.4
22.5°	1809.7	2012.7	2169.3	1833.3	1606.6
23°	1796.1	2017.0	2154.3	1771.1	1544.4
24°	1762.5	2034.9	2085.7	1625.9	1380.0
25°	1732.5	2054.2	2027.0	1472.2	1244.8
26°	1698.9	2068.5	1938.4	1330.6	1161.9
27°	1666.0	2077.1	1837.6	1220.5	1068.9
28°	1628.1	2086.4	1728.2	1125.4	998.9
29°	1592.3	2087.8	1620.2	1049.6	943.8
30°	1553.7	2080.7	1506.5	988.9	909.5
32.5°	1469.3	2041.3	1228.4	873.0	823.7
35°	1392.1	1953.4	1029.6	792.9	768.6
37.5°	1314.2	1814.7	890.2	742.9	735.0
40°	1237.7	1650.2	785.1	702.8	704.3
42.5°	1156.9	1480.8	712.9	670.0	676.4
45°	1072.5	1314.2	651.4	643.5	657.1
47.5°	978.8	1161.9	602.7	626.3	647.1
50°	890.2	1011.0	564.9	609.9	631.3
52.5°	805.8	887.3	530.5	582.0	607.0
55°	714.3	777.2	489.1	546.3	567.0
57.5°	627.1	677.8	445.4	501.9	520.5
60°	531.2	579.9	401.1	454.0	471.9
62.5°	444.7	496.2	363.2	406.1	420.4
65°	368.2	419.0	327.5	363.9	375.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	300.3	354.6	298.2	328.9	339.6
70°	236.7	293.9	272.4	300.3	311.7
72.5°	185.2	243.1	251.0	276.7	288.1
75°	141.6	198.1	230.9	258.8	271.0
77.5°	105.1	161.6	212.4	244.5	257.4
80°	69.4	128.7	195.9	231.7	246.7
82.5°	43.6	103.7	179.5	218.8	234.5
85°	21.5	84.4	163.7	207.4	221.7
87.5°	7.2	70.1	149.4	195.9	208.1
90°	0.7	58.6	136.6	183.8	195.9
92.5°	0.7	50.8	125.8	169.5	181.6
95°	0.7	45.0	115.1	155.9	166.6
97.5°	0.7	40.8	105.1	141.6	153.0
100°	0.7	36.5	94.4	128.0	140.1
102.5°	1.4	33.6	85.1	116.5	129.4
105°	1.4	31.5	75.8	106.5	119.4
107.5°	1.4	30.0	67.9	98.7	110.8
110°	1.4	28.6	62.2	91.5	104.4
112.5°	1.4	27.9	58.6	85.1	97.2
115°	1.4	27.2	55.8	79.4	89.4
117.5°	2.1	26.5	53.6	73.6	81.5
120°	2.1	25.0	52.2	68.6	75.1
122.5°	2.1	23.6	50.1	64.4	69.4
125°	2.1	22.9	47.9	60.1	64.4
127.5°	2.1	21.5	45.8	56.5	60.8
130°	2.9	20.0	43.6	53.6	57.2
132.5°	2.9	18.6	41.5	52.2	55.1
135°	2.9	17.9	39.3	50.1	52.9
137.5°	2.9	16.4	37.2	47.9	50.8
140°	2.9	15.0	34.3	45.0	47.9
142.5°	2.9	14.3	31.5	42.2	45.0
145°	2.9	12.9	27.9	38.6	42.2
147.5°	3.6	12.2	25.0	35.8	38.6
150°	3.6	10.7	22.2	32.9	35.8
152.5°	3.6	9.3	19.3	29.3	32.2
155°	3.6	7.9	17.2	25.7	29.3
157.5°	3.6	7.2	15.0	21.5	25.7
160°	3.6	6.4	12.9	18.6	22.2
162.5°	3.6	5.7	11.4	15.7	19.3
165°	3.6	5.0	9.3	12.9	15.7
167.5°	4.3	5.0	7.9	10.0	12.9
170°	4.3	5.0	6.4	7.9	10.0
172.5°	4.3	4.3	5.0	5.7	6.4
175°	4.3	4.3	4.3	4.3	3.6
177.5°	4.3	4.3	4.3	3.6	3.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)