

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: P565746

Luminaire Tested: **2SNX-44HL-LC-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565746
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-L830-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

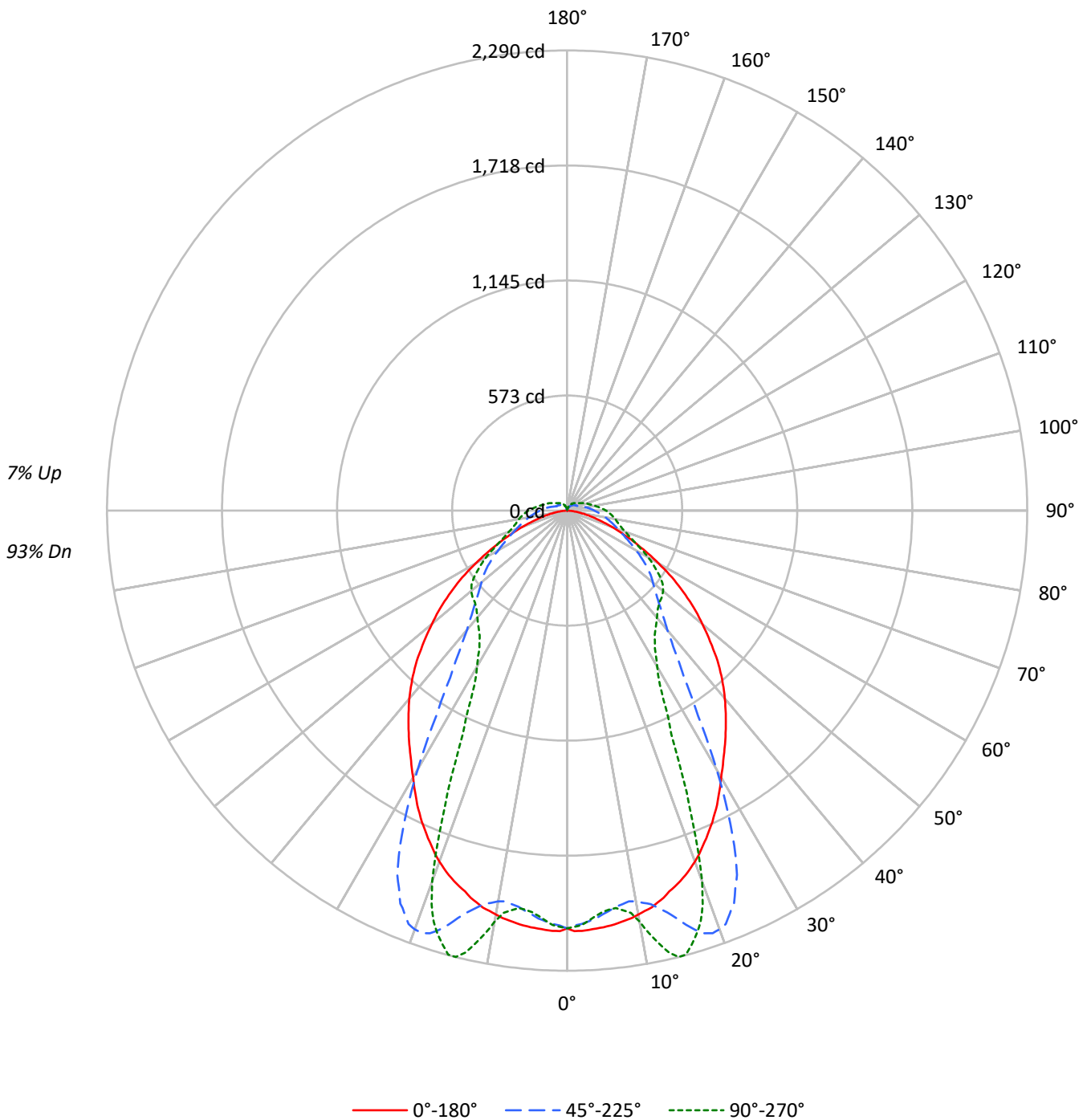
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4621.0 lumens
Efficiency: N/A
Efficacy: 148.6 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 (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	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	37	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°	44761	44761	44761
5°	44651	41671	40973
10°	43957	39477	40629
15°	42775	40974	43253
20°	41322	42582	36199
25°	39087	38091	22257
30°	36361	28292	16108
35°	34111	19471	13590
40°	32079	15066	12525
45°	29741	12786	11844
50°	26761	11439	11627
55°	23640	10307	10757
60°	19723	8882	9306
65°	15705	7701	7766
70°	11959	6886	6837
75°	8863	6363	6376
80°	5758	5980	6312
85°	2682	5652	6267



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.5	4.2
10°-20°	591.2	12.8
20°-30°	796.1	17.2
30°-40°	753.4	16.3
40°-50°	665.0	14.4
50°-60°	540.1	11.7
60°-70°	367.3	7.9
70°-80°	236.3	5.1
80°-90°	157.2	3.4
90°-100°	108.0	2.3
100°-110°	72.5	1.6
110°-120°	51.1	1.1
120°-130°	36.5	0.8
130°-140°	25.8	0.6
140°-150°	16.0	0.3
150°-160°	7.8	0.2
160°-170°	2.7	0.1
170°-180°	0.5	0.0
0°-30°	1580.7	34.2
0°-40°	2334.1	50.5
0°-60°	3539.2	76.6
0°-90°	4300.0	93.1
90°-120°	231.6	5.0
90°-150°	310.0	6.7
90°-180°	321.0	6.9
0°-180°	4621.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2079	2079	2079	2079	2079	
5°	2081	2062	2018	2016	2007	197
15°	1962	1949	2100	2285	2287	553
25°	1710	2027	2000	1453	1228	784
35°	1374	1928	1016	782	758	860
45°	1058	1297	643	635	648	813
55°	705	767	483	539	560	629
65°	363	413	323	359	370	365
75°	140	195	228	255	267	152
85°	21	83	162	205	219	28
90°	1	58	135	181	193	1
95°	1	44	114	154	164	1
105°	1	31	75	105	118	1
115°	1	27	55	78	88	2
125°	2	23	47	59	64	2
135°	3	18	39	49	52	2
145°	3	13	28	38	42	2
155°	4	8	17	25	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°	2079.2	2079.2	2079.2	2079.2	2079.2
1°	2093.3	2087.0	2065.8	2077.1	2071.5
2°	2092.6	2082.0	2058.1	2070.8	2063.7
3°	2089.1	2077.8	2046.8	2054.5	2043.9
4°	2085.6	2072.2	2034.8	2034.8	2022.8
5°	2081.3	2062.3	2017.8	2016.4	2006.6
6°	2076.4	2054.5	2003.0	2001.6	1996.0
7°	2069.3	2041.1	1986.8	1996.7	1992.4
8°	2060.9	2028.4	1978.3	2003.0	2009.4
9°	2053.1	2012.9	1968.5	2022.8	2027.7
10°	2040.4	1998.8	1974.8	2062.3	2077.1
11°	2029.8	1986.8	1988.9	2101.1	2145.5
12°	2019.3	1974.1	2002.3	2149.8	2204.1
13°	2001.6	1964.2	2032.0	2202.7	2258.4
14°	1986.1	1956.5	2060.9	2256.3	2289.5
15°	1962.1	1949.4	2099.7	2285.2	2287.4
16°	1945.9	1944.5	2144.8	2287.4	2247.8
17°	1927.5	1942.3	2181.5	2250.7	2204.1
18°	1907.1	1946.6	2211.9	2204.8	2151.2
19°	1883.8	1950.8	2224.6	2141.3	2072.2
20°	1858.4	1957.2	2217.5	2075.0	1963.5
21°	1833.0	1965.6	2204.1	2005.1	1821.0
22.5°	1785.7	1986.1	2140.6	1809.0	1585.3
23°	1772.3	1990.3	2125.8	1747.6	1524.0
24°	1739.2	2008.0	2058.1	1604.4	1361.7
25°	1709.5	2027.0	2000.2	1452.7	1228.3
26°	1676.4	2041.1	1912.7	1313.0	1146.5
27°	1643.9	2049.6	1813.2	1204.4	1054.8
28°	1606.5	2058.8	1705.3	1110.5	985.6
29°	1571.2	2060.2	1598.8	1035.7	931.3
30°	1533.1	2053.1	1486.6	975.8	897.4
32.5°	1449.9	2014.3	1212.1	861.5	812.8
35°	1373.7	1927.5	1016.0	782.4	758.5
37.5°	1296.8	1790.7	878.4	733.1	725.3
40°	1221.3	1628.4	774.7	693.5	695.0
42.5°	1141.6	1461.2	703.4	661.1	667.4
45°	1058.3	1296.8	642.7	635.0	648.4
47.5°	965.9	1146.5	594.8	618.1	638.5
50°	878.4	997.6	557.4	601.8	623.0
52.5°	795.1	875.6	523.5	574.3	599.0
55°	704.8	766.9	482.6	539.0	559.5
57.5°	618.8	668.9	439.6	495.3	513.6
60°	524.2	572.2	395.8	448.0	465.7
62.5°	438.8	489.6	358.4	400.7	414.9
65°	363.4	413.4	323.1	359.1	370.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	296.3	349.9	294.2	324.5	335.1
70°	233.5	290.0	268.8	296.3	307.6
72.5°	182.7	239.9	247.6	273.0	284.3
75°	139.7	195.4	227.9	255.4	267.4
77.5°	103.7	159.5	209.5	241.3	254.0
80°	68.4	127.0	193.3	228.6	243.4
82.5°	43.0	102.3	177.1	215.9	231.4
85°	21.2	83.3	161.6	204.6	218.7
87.5°	7.1	69.1	147.5	193.3	205.3
90°	0.7	57.9	134.8	181.3	193.3
92.5°	0.7	50.1	124.2	167.2	179.2
95°	0.7	44.4	113.6	153.8	164.4
97.5°	0.7	40.2	103.7	139.7	151.0
100°	0.7	36.0	93.1	126.3	138.3
102.5°	1.4	33.2	84.0	115.0	127.7
105°	1.4	31.0	74.8	105.1	117.8
107.5°	1.4	29.6	67.0	97.4	109.4
110°	1.4	28.2	61.4	90.3	103.0
112.5°	1.4	27.5	57.9	84.0	96.0
115°	1.4	26.8	55.0	78.3	88.2
117.5°	2.1	26.1	52.9	72.7	80.4
120°	2.1	24.7	51.5	67.7	74.1
122.5°	2.1	23.3	49.4	63.5	68.4
125°	2.1	22.6	47.3	59.3	63.5
127.5°	2.1	21.2	45.2	55.7	60.0
130°	2.8	19.8	43.0	52.9	56.4
132.5°	2.8	18.3	40.9	51.5	54.3
135°	2.8	17.6	38.8	49.4	52.2
137.5°	2.8	16.2	36.7	47.3	50.1
140°	2.8	14.8	33.9	44.4	47.3
142.5°	2.8	14.1	31.0	41.6	44.4
145°	2.8	12.7	27.5	38.1	41.6
147.5°	3.5	12.0	24.7	35.3	38.1
150°	3.5	10.6	21.9	32.5	35.3
152.5°	3.5	9.2	19.0	28.9	31.7
155°	3.5	7.8	16.9	25.4	28.9
157.5°	3.5	7.1	14.8	21.2	25.4
160°	3.5	6.3	12.7	18.3	21.9
162.5°	3.5	5.6	11.3	15.5	19.0
165°	3.5	4.9	9.2	12.7	15.5
167.5°	4.2	4.9	7.8	9.9	12.7
170°	4.2	4.9	6.3	7.8	9.9
172.5°	4.2	4.2	4.9	5.6	6.3
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)