

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: P565800

Luminaire Tested: **2SNX-47HL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565800
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-47HL-LC-UNV-L940-CD
Description: 2FT 4700 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

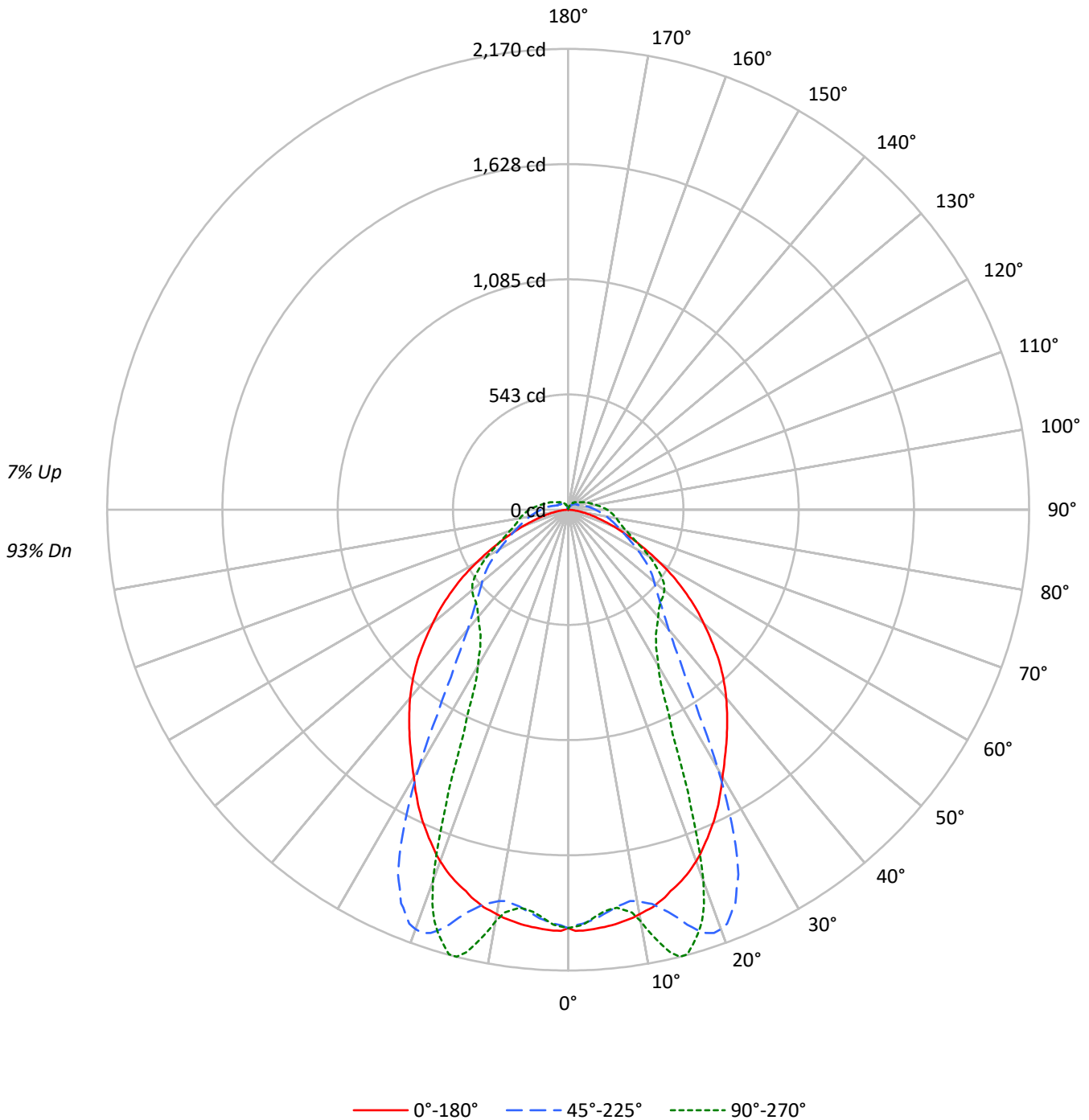
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4379.0 lumens
Efficiency: N/A
Efficacy: 129.9 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): 33.7
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	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°	42416	42416	42416
5°	42313	39490	38827
10°	41656	37410	38501
15°	40534	38827	40988
20°	39158	40353	34304
25°	37041	36097	21092
30°	34456	26809	15264
35°	32323	18451	12877
40°	30398	14277	11869
45°	28184	12118	11223
50°	25360	10839	11019
55°	22402	9766	10194
60°	18692	8418	8818
65°	14879	7298	7359
70°	11334	6525	6480
75°	8400	6030	6043
80°	5464	5667	5982
85°	2543	5355	5940



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.3	4.2
10°-20°	560.2	12.8
20°-30°	754.4	17.2
30°-40°	713.9	16.3
40°-50°	630.1	14.4
50°-60°	511.8	11.7
60°-70°	348.1	7.9
70°-80°	224.0	5.1
80°-90°	148.9	3.4
90°-100°	102.4	2.3
100°-110°	68.7	1.6
110°-120°	48.5	1.1
120°-130°	34.6	0.8
130°-140°	24.4	0.6
140°-150°	15.2	0.3
150°-160°	7.4	0.2
160°-170°	2.6	0.1
170°-180°	0.4	0.0
0°-30°	1497.9	34.2
0°-40°	2211.9	50.5
0°-60°	3353.8	76.6
0°-90°	4074.8	93.1
90°-120°	219.5	5.0
90°-150°	293.8	6.7
90°-180°	304.0	6.9
0°-180°	4379.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1970	1970	1970	1970	1970	
5°	1972	1954	1912	1911	1902	187
15°	1859	1847	1990	2166	2168	524
25°	1620	1921	1896	1377	1164	743
35°	1302	1827	963	742	719	815
45°	1003	1229	609	602	614	770
55°	668	727	457	511	530	597
65°	344	392	306	340	351	346
75°	132	185	216	242	253	144
85°	20	79	153	194	207	26
90°	1	55	128	172	183	1
95°	1	42	108	146	156	1
105°	1	29	71	100	112	1
115°	1	25	52	74	84	2
125°	2	21	45	56	60	2
135°	3	17	37	47	50	2
145°	3	12	26	36	39	2
155°	3	7	16	24	27	2
165°	3	5	9	12	15	1
175°	4	4	4	4	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1970.3	1970.3	1970.3	1970.3	1970.3
1°	1983.7	1977.7	1957.6	1968.3	1963.0
2°	1983.0	1973.0	1950.3	1962.3	1955.6
3°	1979.7	1969.0	1939.6	1946.9	1936.9
4°	1976.4	1963.6	1928.2	1928.2	1916.8
5°	1972.3	1954.3	1912.2	1910.8	1901.5
6°	1967.7	1946.9	1898.1	1896.8	1891.4
7°	1961.0	1934.2	1882.7	1892.1	1888.1
8°	1953.0	1922.2	1874.7	1898.1	1904.1
9°	1945.6	1907.5	1865.4	1916.8	1921.5
10°	1933.6	1894.1	1871.4	1954.3	1968.3
11°	1923.5	1882.7	1884.8	1991.1	2033.2
12°	1913.5	1870.7	1897.5	2037.2	2088.7
13°	1896.8	1861.4	1925.5	2087.3	2140.2
14°	1882.1	1854.0	1953.0	2138.2	2169.6
15°	1859.3	1847.3	1989.7	2165.6	2167.6
16°	1844.0	1842.6	2032.5	2167.6	2130.1
17°	1826.6	1840.6	2067.3	2132.8	2088.7
18°	1807.2	1844.6	2096.0	2089.3	2038.5
19°	1785.1	1848.7	2108.1	2029.2	1963.6
20°	1761.1	1854.7	2101.4	1966.3	1860.7
21°	1737.0	1862.7	2088.7	1900.1	1725.6
22.5°	1692.2	1882.1	2028.5	1714.3	1502.3
23°	1679.5	1886.1	2014.5	1656.1	1444.2
24°	1648.1	1902.8	1950.3	1520.4	1290.4
25°	1620.0	1920.9	1895.5	1376.6	1164.0
26°	1588.6	1934.2	1812.5	1244.2	1086.5
27°	1557.8	1942.3	1718.3	1141.3	999.5
28°	1522.4	1950.9	1616.0	1052.4	934.0
29°	1488.9	1952.3	1515.0	981.5	882.5
30°	1452.8	1945.6	1408.7	924.7	850.4
32.5°	1374.0	1908.8	1148.6	816.3	770.2
35°	1301.7	1826.6	962.8	741.5	718.7
37.5°	1228.9	1696.9	832.4	694.7	687.3
40°	1157.3	1543.1	734.1	657.2	658.6
42.5°	1081.8	1384.6	666.6	626.5	632.5
45°	1002.9	1228.9	609.1	601.7	614.4
47.5°	915.3	1086.5	563.6	585.7	605.1
50°	832.4	945.4	528.2	570.3	590.4
52.5°	753.5	829.7	496.1	544.2	567.6
55°	667.9	726.8	457.3	510.8	530.2
57.5°	586.4	633.8	416.5	469.4	486.7
60°	496.8	542.2	375.1	424.6	441.3
62.5°	415.9	464.0	339.6	379.8	393.1
65°	344.3	391.8	306.2	340.3	351.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	280.8	331.6	278.8	307.6	317.6
70°	221.3	274.8	254.7	280.8	291.5
72.5°	173.2	227.3	234.7	258.7	269.4
75°	132.4	185.2	216.0	242.0	253.4
77.5°	98.3	151.1	198.6	228.7	240.7
80°	64.9	120.3	183.2	216.6	230.7
82.5°	40.8	96.9	167.8	204.6	219.3
85°	20.1	78.9	153.1	193.9	207.3
87.5°	6.7	65.5	139.7	183.2	194.6
90°	0.7	54.8	127.7	171.8	183.2
92.5°	0.7	47.5	117.7	158.5	169.8
95°	0.7	42.1	107.6	145.8	155.8
97.5°	0.7	38.1	98.3	132.4	143.1
100°	0.7	34.1	88.3	119.7	131.0
102.5°	1.3	31.4	79.6	109.0	121.0
105°	1.3	29.4	70.9	99.6	111.7
107.5°	1.3	28.1	63.5	92.3	103.6
110°	1.3	26.7	58.2	85.6	97.6
112.5°	1.3	26.1	54.8	79.6	90.9
115°	1.3	25.4	52.2	74.2	83.6
117.5°	2.0	24.7	50.1	68.9	76.2
120°	2.0	23.4	48.8	64.2	70.2
122.5°	2.0	22.1	46.8	60.2	64.9
125°	2.0	21.4	44.8	56.2	60.2
127.5°	2.0	20.1	42.8	52.8	56.8
130°	2.7	18.7	40.8	50.1	53.5
132.5°	2.7	17.4	38.8	48.8	51.5
135°	2.7	16.7	36.8	46.8	49.5
137.5°	2.7	15.4	34.8	44.8	47.5
140°	2.7	14.0	32.1	42.1	44.8
142.5°	2.7	13.4	29.4	39.4	42.1
145°	2.7	12.0	26.1	36.1	39.4
147.5°	3.3	11.4	23.4	33.4	36.1
150°	3.3	10.0	20.7	30.8	33.4
152.5°	3.3	8.7	18.1	27.4	30.1
155°	3.3	7.4	16.0	24.1	27.4
157.5°	3.3	6.7	14.0	20.1	24.1
160°	3.3	6.0	12.0	17.4	20.7
162.5°	3.3	5.3	10.7	14.7	18.1
165°	3.3	4.7	8.7	12.0	14.7
167.5°	4.0	4.7	7.4	9.4	12.0
170°	4.0	4.7	6.0	7.4	9.4
172.5°	4.0	4.0	4.7	5.3	6.0
175°	4.0	4.0	4.0	4.0	3.3
177.5°	4.0	4.0	4.0	3.3	3.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.3	3.3	3.3	3.3	3.3

(END OF REPORT)