

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: P566875

Luminaire Tested: **4SNX-84HL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-84HL-LN-UNV-L935-CD
Description: 4FT 8400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

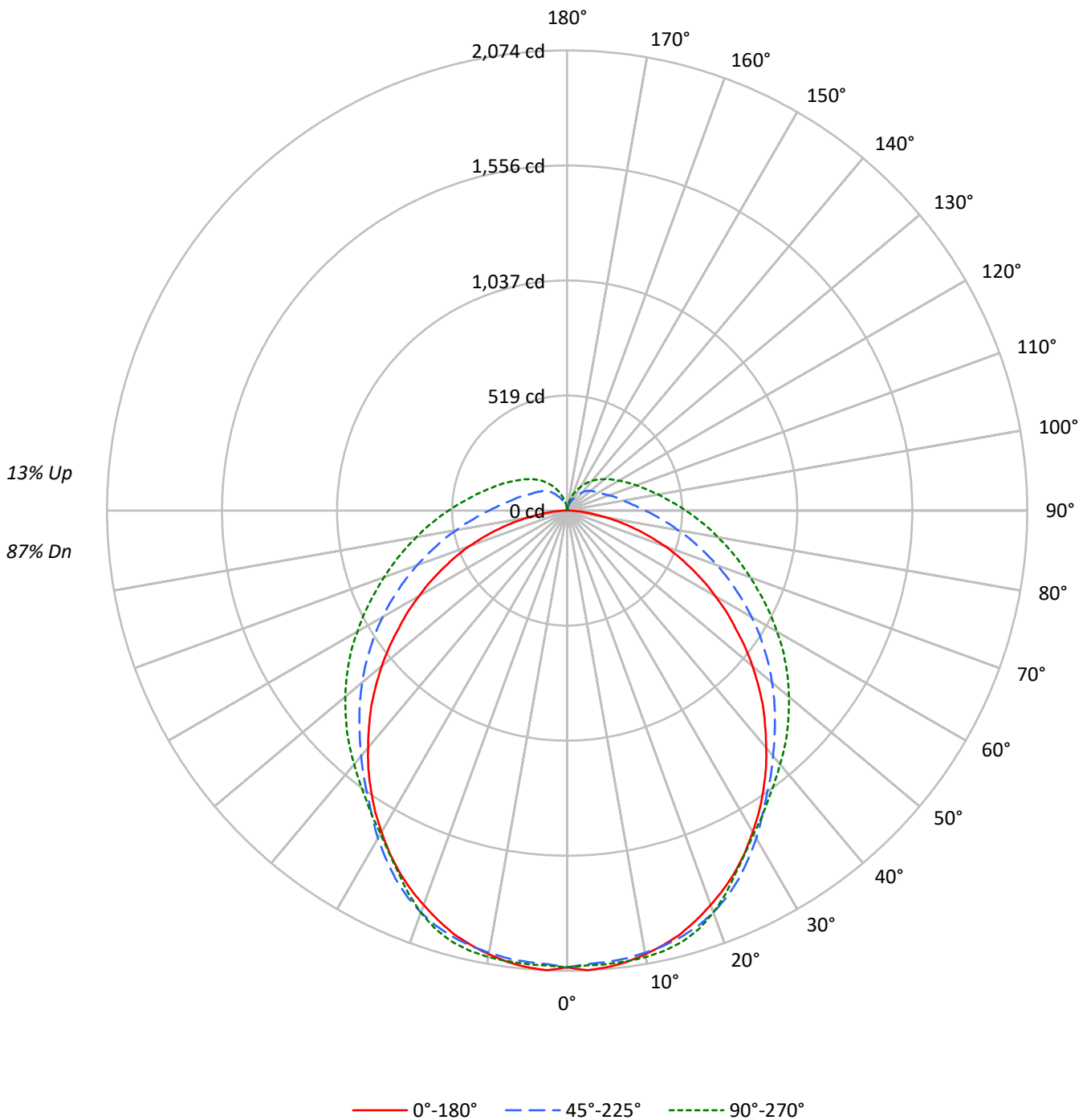
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7431.0 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 57.9
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	116	116	116	116	112	112	112	112	104	104	104	96	96	96	90	90	90	87				
1	104	98	93	89	100	95	90	86	88	84	81	82	79	76	76	74	72	68				
2	94	85	77	71	90	82	75	69	76	70	66	71	66	62	66	62	59	56				
3	85	74	65	58	81	71	63	57	66	60	54	62	56	52	58	53	49	46				
4	78	65	56	49	74	63	55	48	59	52	46	55	49	44	51	46	42	39				
5	71	58	49	42	68	56	48	41	53	45	40	49	43	38	46	41	36	34				
6	66	52	43	37	63	51	42	36	47	40	35	44	38	33	42	36	32	29				
7	61	47	38	32	58	46	38	32	43	36	30	41	34	29	38	33	28	26				
8	57	43	35	29	54	42	34	28	39	32	27	37	31	26	35	29	25	23				
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	32	27	23	21				
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22158	22158	22158
5°	22243	21139	20952
10°	22035	20320	19985
15°	21770	19544	19011
20°	21351	18675	17768
25°	20901	17624	16311
30°	20305	16446	15094
35°	19671	15246	14187
40°	18952	14283	13452
45°	18245	13430	12818
50°	17405	12642	12180
55°	16423	11853	11554
60°	15481	11066	10900
65°	14433	10272	10300
70°	13233	9527	9759
75°	11381	8801	9313
80°	8970	8173	8934
85°	6007	7728	8718



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.6	2.6
10°-20°	562.2	7.6
20°-30°	837.2	11.3
30°-40°	987.9	13.3
40°-50°	1030.3	13.9
50°-60°	968.2	13.0
60°-70°	817.6	11.0
70°-80°	617.8	8.3
80°-90°	425.9	5.7
90°-100°	298.0	4.0
100°-110°	222.4	3.0
110°-120°	167.6	2.3
120°-130°	125.0	1.7
130°-140°	87.8	1.2
140°-150°	53.1	0.7
150°-160°	25.4	0.3
160°-170°	8.1	0.1
170°-180°	1.0	0.0
0°-30°	1595.0	21.5
0°-40°	2582.9	34.8
0°-60°	4581.4	61.7
0°-90°	6442.6	86.7
90°-120°	688.0	9.3
90°-150°	953.9	12.8
90°-180°	988.0	13.3
0°-180°	7431.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2058	2058	2058	2058	2058	
5°	2066	2062	2042	2057	2052	196
15°	1975	1984	1989	2014	2011	556
25°	1794	1830	1830	1814	1800	825
35°	1541	1597	1567	1580	1584	964
45°	1248	1310	1324	1378	1403	961
55°	927	1007	1083	1170	1202	832
65°	617	716	836	946	983	613
75°	316	438	607	734	781	337
85°	72	226	421	559	608	80
90°	1	160	352	486	534	5
95°	1	125	297	426	470	1
105°	2	89	229	333	370	2
115°	2	77	178	265	299	3
125°	4	66	150	217	244	3
135°	4	50	125	176	198	3
145°	5	36	87	135	151	3
155°	5	24	53	86	100	2
165°	6	15	28	38	50	2
175°	6	6	8	8	4	1
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2058.5	2058.5	2058.5	2058.5	2058.5
2.5°	2073.6	2068.6	2045.9	2058.5	2052.2
5°	2066.1	2062.3	2042.1	2057.3	2052.2
7.5°	2052.2	2051.0	2035.8	2053.5	2048.4
10°	2030.8	2034.6	2023.3	2047.2	2043.4
12.5°	2005.6	2013.2	2009.4	2035.8	2032.1
15°	1975.4	1984.2	1989.2	2014.4	2010.7
17.5°	1935.1	1951.4	1962.8	1982.9	1976.6
20°	1892.2	1914.9	1927.5	1937.6	1927.5
22.5°	1845.6	1875.9	1883.4	1878.4	1868.3
25°	1794.0	1830.5	1830.5	1814.1	1800.3
27.5°	1736.0	1781.4	1768.8	1749.9	1738.5
30°	1673.0	1727.2	1705.8	1684.4	1681.8
32.5°	1610.0	1666.7	1635.2	1630.2	1634.0
35°	1540.7	1597.4	1567.2	1579.8	1583.6
37.5°	1471.5	1528.1	1508.0	1526.9	1538.2
40°	1395.9	1456.3	1443.7	1477.8	1492.9
42.5°	1321.5	1384.5	1383.3	1427.4	1450.0
45°	1248.5	1310.2	1324.1	1378.2	1403.4
47.5°	1169.1	1232.1	1266.1	1329.1	1354.3
50°	1091.0	1159.0	1205.6	1276.2	1305.2
52.5°	1010.4	1082.2	1146.4	1224.5	1254.8
55°	927.2	1006.6	1083.4	1170.4	1201.9
57.5°	852.9	933.5	1024.2	1113.7	1150.2
60°	771.0	860.4	960.0	1054.5	1091.0
62.5°	696.7	788.6	899.5	999.0	1038.1
65°	617.3	715.6	836.5	946.1	982.6
67.5°	544.2	645.0	777.3	888.2	928.5
70°	468.6	575.7	719.3	836.5	878.1
72.5°	390.5	503.9	661.4	786.1	829.0
75°	316.2	438.4	607.2	734.5	781.1
77.5°	246.9	375.4	558.1	689.1	734.5
80°	178.9	318.7	506.4	642.5	689.1
82.5°	118.4	269.6	464.9	600.9	650.1
85°	71.8	225.5	420.8	559.4	608.5
87.5°	32.8	189.0	385.5	522.8	570.7
90°	1.3	160.0	351.5	486.3	534.2
92.5°	1.3	139.8	323.8	454.8	501.4
95°	1.3	124.7	297.3	425.8	469.9
97.5°	1.3	114.6	277.2	398.1	440.9
100°	1.3	104.6	257.0	372.9	417.0
102.5°	2.5	95.7	241.9	350.2	391.8
105°	2.5	89.4	229.3	332.6	370.4
107.5°	2.5	85.7	215.4	315.0	350.2
110°	2.5	81.9	200.3	297.3	332.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	79.4	189.0	282.2	316.2
115°	2.5	76.8	177.6	264.6	298.6
117.5°	2.5	75.6	171.3	250.7	283.5
120°	3.8	71.8	163.8	238.1	269.6
122.5°	3.8	68.0	156.2	228.0	255.7
125°	3.8	65.5	149.9	216.7	244.4
127.5°	3.8	61.7	143.6	206.6	231.8
130°	3.8	58.0	138.6	196.5	220.5
132.5°	3.8	54.2	132.3	186.5	209.1
135°	3.8	50.4	124.7	176.4	197.8
137.5°	3.8	46.6	117.2	166.3	186.5
140°	3.8	42.8	107.1	156.2	175.1
142.5°	3.8	39.1	97.0	146.1	162.5
145°	5.0	36.5	86.9	134.8	151.2
147.5°	5.0	32.8	76.8	123.5	137.3
150°	5.0	30.2	69.3	112.1	124.7
152.5°	5.0	26.5	61.7	99.5	112.1
155°	5.0	23.9	52.9	85.7	99.5
157.5°	5.0	21.4	45.4	71.8	86.9
160°	5.0	20.2	39.1	59.2	74.3
162.5°	6.3	17.6	32.8	47.9	61.7
165°	6.3	15.1	27.7	37.8	50.4
167.5°	6.3	12.6	22.7	29.0	39.1
170°	6.3	10.1	17.6	20.2	30.2
172.5°	6.3	7.6	12.6	13.9	15.1
175°	6.3	6.3	7.6	7.6	3.8
177.5°	6.3	6.3	5.0	3.8	1.3
180°	3.8	3.8	3.8	3.8	3.8

(END OF REPORT)