

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: P566879

Luminaire Tested: **4SNX-84HL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-84HL-LW-UNV-L835-CD
Description: 4FT 8400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

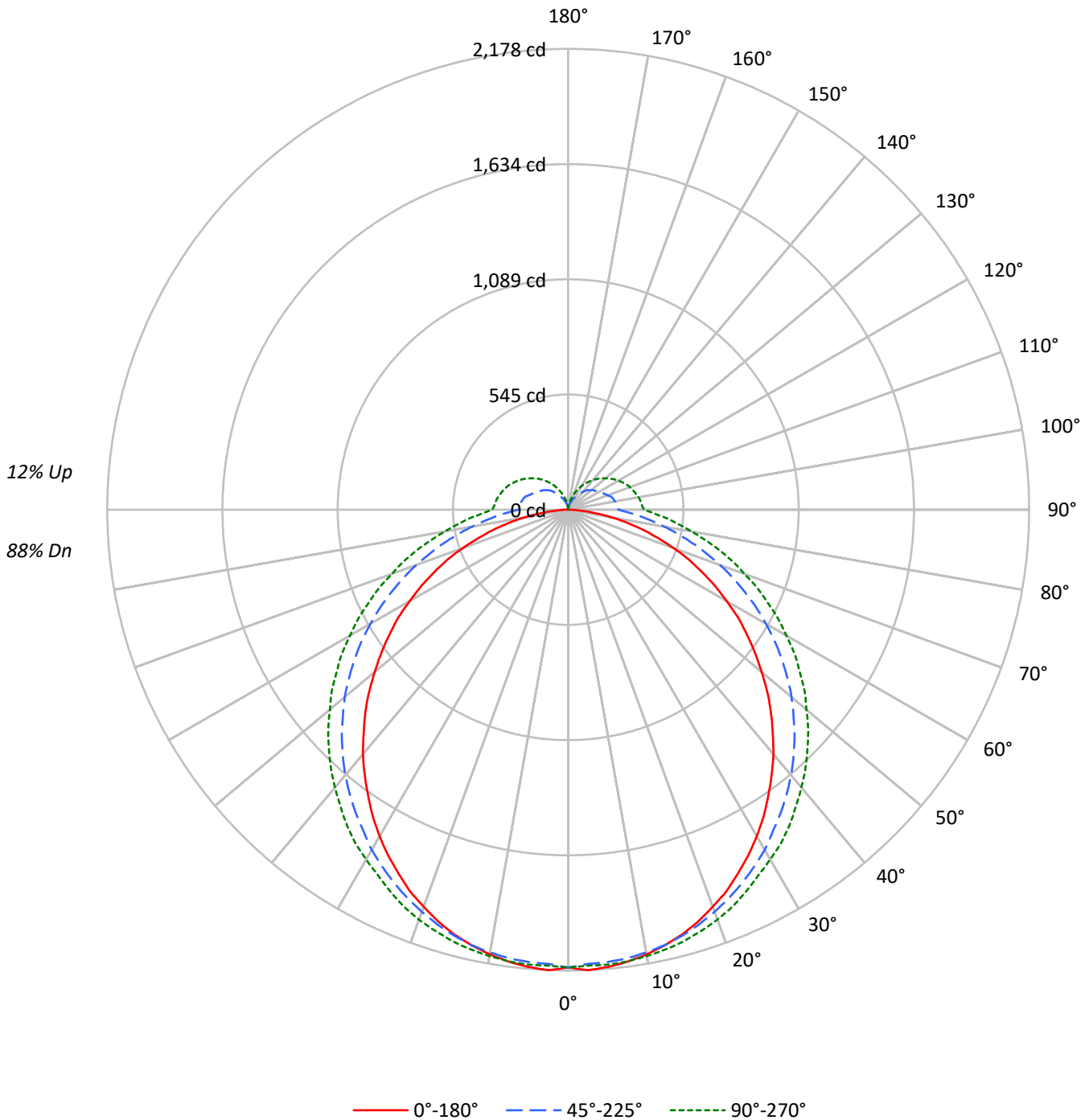
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7789.0 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
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 (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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23288	23288	23288
5°	23349	22215	22033
10°	23156	21339	20950
15°	22902	20470	19964
20°	22531	19591	19008
25°	22097	18737	18030
30°	21628	17901	17130
35°	21049	17025	16322
40°	20482	16205	15444
45°	19804	15341	14607
50°	19023	14449	13716
55°	18263	13469	12836
60°	17382	12439	11887
65°	16310	11318	10906
70°	14952	10106	9844
75°	13058	8778	8827
80°	10434	7449	7661
85°	6693	6172	6688



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.4	2.6
10°-20°	590.8	7.6
20°-30°	898.8	11.5
30°-40°	1092.8	14.0
40°-50°	1156.2	14.8
50°-60°	1083.8	13.9
60°-70°	891.6	11.4
70°-80°	616.9	7.9
80°-90°	343.0	4.4
90°-100°	226.0	2.9
100°-110°	202.6	2.6
110°-120°	167.7	2.2
120°-130°	129.7	1.7
130°-140°	91.8	1.2
140°-150°	55.4	0.7
150°-160°	26.6	0.3
160°-170°	8.7	0.1
170°-180°	1.1	0.0
0°-30°	1695.0	21.8
0°-40°	2787.9	35.8
0°-60°	5027.9	64.6
0°-90°	6879.4	88.3
90°-120°	596.4	7.7
90°-150°	873.2	11.2
90°-180°	910.0	11.7
0°-180°	7789.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2164	2164	2164	2164	2164	
5°	2169	2165	2146	2164	2158	206
15°	2078	2085	2084	2112	2112	586
25°	1897	1923	1946	1989	1990	874
35°	1649	1693	1750	1806	1822	1032
45°	1355	1426	1513	1581	1599	1045
55°	1031	1123	1231	1308	1335	923
65°	698	798	922	1012	1040	692
75°	363	468	606	702	740	385
85°	80	199	336	430	467	92
90°	1	112	237	327	359	5
95°	1	107	231	316	347	1
105°	1	92	216	297	324	1
115°	3	80	183	264	293	2
125°	3	68	156	225	253	2
135°	3	53	131	185	208	2
145°	3	39	91	140	157	2
155°	4	27	56	89	104	2
165°	4	17	31	41	53	1
175°	4	7	9	9	5	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2163.5	2163.5	2163.5	2163.5	2163.5
2.5°	2178.2	2171.5	2148.8	2163.5	2156.8
5°	2168.8	2164.8	2146.1	2163.5	2158.1
7.5°	2154.1	2152.8	2138.1	2158.1	2152.8
10°	2134.1	2136.8	2124.8	2146.1	2142.1
12.5°	2108.8	2112.8	2107.5	2131.5	2128.8
15°	2078.1	2084.8	2083.5	2111.5	2111.5
17.5°	2040.8	2050.1	2055.4	2087.5	2087.5
20°	1996.8	2011.4	2022.1	2056.8	2062.1
22.5°	1952.7	1970.1	1986.1	2022.1	2030.1
25°	1896.7	1923.4	1946.1	1988.8	1990.1
27.5°	1842.0	1871.4	1902.1	1943.4	1947.4
30°	1782.0	1819.4	1856.7	1896.7	1908.7
32.5°	1718.0	1759.3	1800.7	1854.0	1870.0
35°	1648.6	1692.6	1750.0	1806.0	1822.0
37.5°	1579.3	1628.6	1695.3	1752.7	1767.3
40°	1508.6	1563.3	1638.0	1696.6	1714.0
42.5°	1429.9	1496.6	1576.6	1639.3	1659.3
45°	1355.2	1425.9	1512.6	1580.6	1599.3
47.5°	1276.5	1351.2	1444.5	1516.6	1537.9
50°	1192.4	1277.8	1377.9	1449.9	1469.9
52.5°	1113.8	1200.5	1305.8	1380.5	1408.5
55°	1031.1	1123.1	1231.1	1308.5	1335.2
57.5°	953.7	1041.7	1157.8	1235.1	1268.5
60°	865.7	963.0	1079.1	1163.1	1189.8
62.5°	783.0	881.7	1001.7	1088.4	1119.1
65°	697.6	797.6	921.7	1012.4	1040.4
67.5°	617.6	716.3	843.0	932.4	968.4
70°	529.5	633.6	763.0	855.0	885.7
72.5°	442.8	550.9	682.9	781.6	816.3
75°	362.8	468.2	605.6	701.6	740.3
77.5°	285.4	392.1	530.9	629.6	662.9
80°	208.1	320.1	461.5	558.9	590.9
82.5°	137.4	254.8	394.8	492.2	526.9
85°	80.0	198.7	336.1	429.5	466.8
87.5°	34.7	150.7	281.4	373.5	404.2
90°	1.3	112.0	237.4	326.8	358.8
92.5°	1.3	109.4	232.1	320.1	350.8
95°	1.3	106.7	230.8	316.1	346.8
97.5°	1.3	105.4	228.1	313.5	342.8
100°	1.3	101.4	224.1	308.1	337.5
102.5°	1.3	96.0	220.1	302.8	330.8
105°	1.3	92.0	216.1	297.4	324.1
107.5°	1.3	88.0	209.4	290.8	317.5
110°	1.3	84.0	198.7	284.1	310.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	82.7	190.7	274.8	302.8
115°	2.7	80.0	182.7	264.1	293.4
117.5°	2.7	78.7	176.1	253.4	284.1
120°	2.7	74.7	169.4	244.1	273.4
122.5°	2.7	70.7	162.7	234.8	264.1
125°	2.7	68.0	156.1	225.4	253.4
127.5°	2.7	64.0	150.7	216.1	241.4
130°	2.7	61.4	144.1	205.4	230.8
132.5°	2.7	57.4	137.4	194.7	218.7
135°	2.7	53.4	130.7	185.4	208.1
137.5°	2.7	48.0	122.7	174.7	196.1
140°	2.7	44.0	112.0	164.1	184.1
142.5°	2.7	41.3	101.4	152.1	170.7
145°	2.7	38.7	90.7	140.1	157.4
147.5°	2.7	36.0	81.4	128.0	144.1
150°	2.7	32.0	72.0	117.4	130.7
152.5°	4.0	29.3	64.0	104.0	117.4
155°	4.0	26.7	56.0	89.4	104.0
157.5°	4.0	24.0	48.0	74.7	90.7
160°	4.0	21.3	41.3	61.4	77.4
162.5°	4.0	20.0	36.0	50.7	65.4
165°	4.0	17.3	30.7	41.3	53.4
167.5°	4.0	13.3	25.3	32.0	44.0
170°	4.0	10.7	20.0	22.7	33.3
172.5°	4.0	8.0	14.7	16.0	17.3
175°	4.0	6.7	9.3	9.3	5.3
177.5°	4.0	5.3	5.3	5.3	2.7
180°	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)