

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: P566871

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566871
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-L835-CD
Description: 4FT 8400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

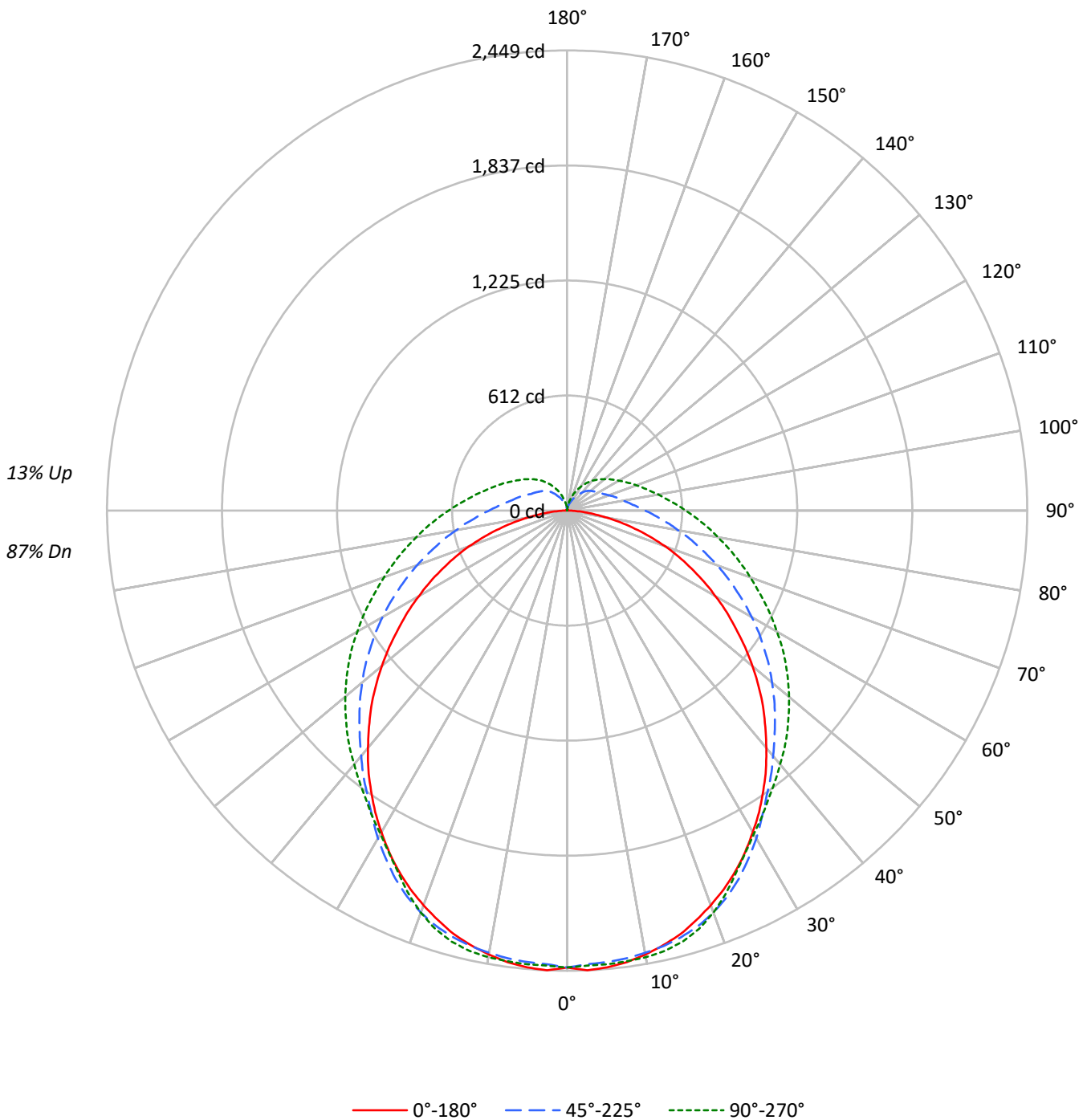
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8777.0 lumens
Efficiency: N/A
Efficacy: 151.6 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 (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	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°	26171	26171	26171
5°	26272	24968	24748
10°	26026	24000	23605
15°	25713	23085	22453
20°	25219	22057	20986
25°	24686	20817	19265
30°	23984	19425	17828
35°	23235	18008	16756
40°	22384	16870	15888
45°	21549	15862	15140
50°	20558	14932	14386
55°	19399	14000	13647
60°	18286	13071	12874
65°	17047	12132	12166
70°	15630	11253	11526
75°	13443	10395	11000
80°	10594	9655	10553
85°	7094	9127	10297



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.0	2.6
10°-20°	664.1	7.6
20°-30°	988.9	11.3
30°-40°	1166.8	13.3
40°-50°	1216.9	13.9
50°-60°	1143.6	13.0
60°-70°	965.7	11.0
70°-80°	729.7	8.3
80°-90°	503.0	5.7
90°-100°	352.0	4.0
100°-110°	262.7	3.0
110°-120°	198.0	2.3
120°-130°	147.7	1.7
130°-140°	103.7	1.2
140°-150°	62.7	0.7
150°-160°	30.0	0.3
160°-170°	9.6	0.1
170°-180°	1.1	0.0
0°-30°	1883.9	21.5
0°-40°	3050.8	34.8
0°-60°	5411.2	61.7
0°-90°	7609.6	86.7
90°-120°	812.7	9.3
90°-150°	1126.7	12.8
90°-180°	1167.0	13.3
0°-180°	8777.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2431	2431	2431	2431	2431	
5°	2440	2436	2412	2430	2424	232
15°	2333	2344	2350	2379	2375	657
25°	2119	2162	2162	2143	2126	975
35°	1820	1887	1851	1866	1870	1138
45°	1475	1548	1564	1628	1658	1136
55°	1095	1189	1280	1382	1420	983
65°	729	845	988	1118	1161	724
75°	374	518	717	868	923	398
85°	85	266	497	661	719	95
90°	2	189	415	574	631	6
95°	2	147	351	503	555	1
105°	3	106	271	393	438	3
115°	3	91	210	312	353	3
125°	4	77	177	256	289	4
135°	4	60	147	208	234	3
145°	6	43	103	159	179	3
155°	6	28	62	101	118	3
165°	7	18	33	45	60	2
175°	7	7	9	9	4	1
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2431.4	2431.4	2431.4	2431.4	2431.4
2.5°	2449.2	2443.3	2416.5	2431.4	2424.0
5°	2440.3	2435.9	2412.0	2429.9	2424.0
7.5°	2424.0	2422.5	2404.6	2425.4	2419.5
10°	2398.7	2403.1	2389.7	2418.0	2413.5
12.5°	2368.9	2377.8	2373.4	2404.6	2400.1
15°	2333.2	2343.6	2349.6	2379.3	2374.8
17.5°	2285.6	2304.9	2318.3	2342.1	2334.7
20°	2235.0	2261.8	2276.6	2288.5	2276.6
22.5°	2179.9	2215.6	2224.6	2218.6	2206.7
25°	2118.9	2162.1	2162.1	2142.7	2126.4
27.5°	2050.5	2104.0	2089.2	2066.8	2053.4
30°	1976.1	2040.0	2014.8	1989.5	1986.5
32.5°	1901.7	1968.6	1931.4	1925.5	1929.9
35°	1819.8	1886.8	1851.1	1866.0	1870.4
37.5°	1738.0	1804.9	1781.1	1803.5	1816.8
40°	1648.7	1720.1	1705.2	1745.4	1763.3
42.5°	1560.9	1635.3	1633.8	1685.9	1712.7
45°	1474.6	1547.5	1563.9	1627.9	1657.6
47.5°	1380.9	1455.3	1495.4	1569.8	1599.6
50°	1288.6	1369.0	1424.0	1507.3	1541.6
52.5°	1193.4	1278.2	1354.1	1446.3	1482.0
55°	1095.2	1188.9	1279.7	1382.4	1419.6
57.5°	1007.4	1102.6	1209.7	1315.4	1358.5
60°	910.7	1016.3	1133.9	1245.5	1288.6
62.5°	822.9	931.5	1062.4	1180.0	1226.1
65°	729.1	845.2	988.0	1117.5	1160.6
67.5°	642.8	761.9	918.1	1049.0	1096.7
70°	553.5	680.0	849.6	988.0	1037.1
72.5°	461.3	595.2	781.2	928.5	979.1
75°	373.5	517.8	717.2	867.5	922.6
77.5°	291.6	443.4	659.2	813.9	867.5
80°	211.3	376.5	598.2	758.9	813.9
82.5°	139.9	318.4	549.1	709.8	767.8
85°	84.8	266.4	497.0	660.7	718.7
87.5°	38.7	223.2	455.3	617.5	674.1
90°	1.5	189.0	415.2	574.4	630.9
92.5°	1.5	165.2	382.4	537.2	592.2
95°	1.5	147.3	351.2	502.9	555.0
97.5°	1.5	135.4	327.4	470.2	520.8
100°	1.5	123.5	303.6	440.4	492.5
102.5°	3.0	113.1	285.7	413.7	462.8
105°	3.0	105.6	270.8	392.8	437.5
107.5°	3.0	101.2	254.4	372.0	413.7
110°	3.0	96.7	236.6	351.2	392.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	93.7	223.2	333.3	373.5
115°	3.0	90.8	209.8	312.5	352.7
117.5°	3.0	89.3	202.4	296.1	334.8
120°	4.5	84.8	193.4	281.2	318.4
122.5°	4.5	80.4	184.5	269.3	302.1
125°	4.5	77.4	177.1	255.9	288.7
127.5°	4.5	72.9	169.6	244.0	273.8
130°	4.5	68.4	163.7	232.1	260.4
132.5°	4.5	64.0	156.2	220.2	247.0
135°	4.5	59.5	147.3	208.3	233.6
137.5°	4.5	55.1	138.4	196.4	220.2
140°	4.5	50.6	126.5	184.5	206.8
142.5°	4.5	46.1	114.6	172.6	192.0
145°	6.0	43.2	102.7	159.2	178.6
147.5°	6.0	38.7	90.8	145.8	162.2
150°	6.0	35.7	81.8	132.4	147.3
152.5°	6.0	31.2	72.9	117.6	132.4
155°	6.0	28.3	62.5	101.2	117.6
157.5°	6.0	25.3	53.6	84.8	102.7
160°	6.0	23.8	46.1	69.9	87.8
162.5°	7.4	20.8	38.7	56.5	72.9
165°	7.4	17.9	32.7	44.6	59.5
167.5°	7.4	14.9	26.8	34.2	46.1
170°	7.4	11.9	20.8	23.8	35.7
172.5°	7.4	8.9	14.9	16.4	17.9
175°	7.4	7.4	8.9	8.9	4.5
177.5°	7.4	7.4	6.0	4.5	1.5
180°	4.5	4.5	4.5	4.5	4.5

(END OF REPORT)