

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: P565963

Luminaire Tested: **4SNX-100HL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565963
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-100HL-LN-UNV-L935-CD
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

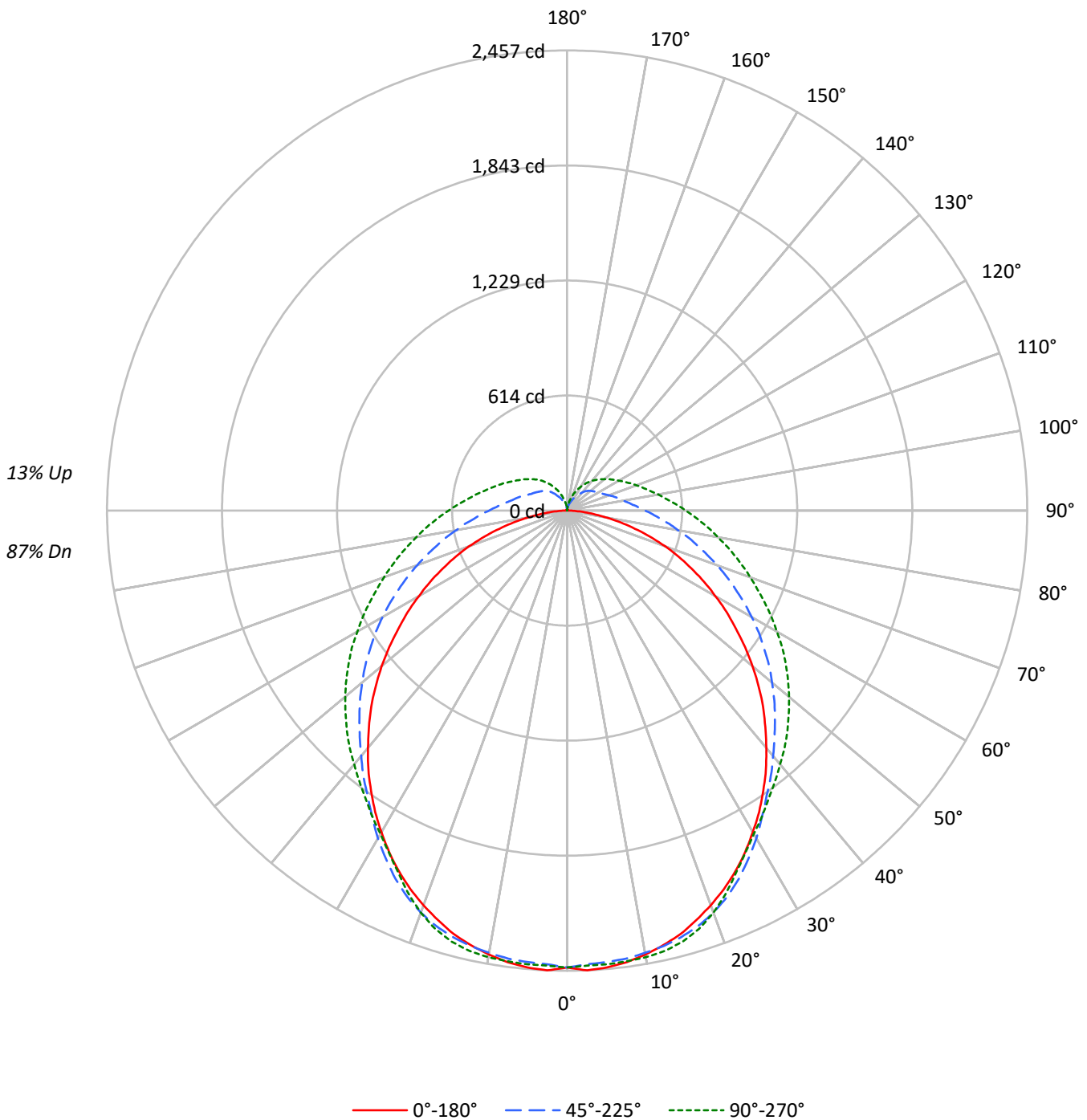
Lumens per Lamp: N/A
Luminaire Lumens: 8806.0 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 72.5
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°	26257	26257	26257
5°	26359	25050	24830
10°	26112	24079	23683
15°	25798	23161	22528
20°	25302	22130	21056
25°	24767	20885	19329
30°	24063	19488	17887
35°	23311	18068	16811
40°	22458	16926	15941
45°	21621	15914	15190
50°	20626	14982	14433
55°	19462	14046	13691
60°	18346	13114	12917
65°	17103	12173	12207
70°	15684	11291	11565
75°	13486	10430	11036
80°	10629	9687	10588
85°	7119	9157	10331



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.7	2.6
10°-20°	666.3	7.6
20°-30°	992.1	11.3
30°-40°	1170.7	13.3
40°-50°	1220.9	13.9
50°-60°	1147.3	13.0
60°-70°	968.9	11.0
70°-80°	732.1	8.3
80°-90°	504.6	5.7
90°-100°	353.2	4.0
100°-110°	263.5	3.0
110°-120°	198.7	2.3
120°-130°	148.2	1.7
130°-140°	104.0	1.2
140°-150°	62.9	0.7
150°-160°	30.1	0.3
160°-170°	9.6	0.1
170°-180°	1.2	0.0
0°-30°	1890.2	21.5
0°-40°	3060.9	34.8
0°-60°	5429.1	61.7
0°-90°	7634.8	86.7
90°-120°	815.3	9.3
90°-150°	1130.4	12.8
90°-180°	1171.0	13.3
0°-180°	8806.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2439	2439	2439	2439	2439	
5°	2448	2444	2420	2438	2432	232
15°	2341	2351	2357	2387	2383	659
25°	2126	2169	2169	2150	2133	978
35°	1826	1893	1857	1872	1877	1142
45°	1480	1553	1569	1633	1663	1139
55°	1099	1193	1284	1387	1424	986
65°	732	848	991	1121	1164	726
75°	375	520	720	870	926	399
85°	85	267	499	663	721	95
90°	2	190	416	576	633	6
95°	2	148	352	505	557	1
105°	3	106	272	394	439	3
115°	3	91	210	314	354	3
125°	4	78	178	257	290	4
135°	4	60	148	209	234	3
145°	6	43	103	160	179	3
155°	6	28	63	102	118	3
165°	8	18	33	45	60	2
175°	8	8	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°	2439.4	2439.4	2439.4	2439.4	2439.4
2.5°	2457.3	2451.4	2424.5	2439.4	2432.0
5°	2448.4	2443.9	2420.0	2437.9	2432.0
7.5°	2432.0	2430.5	2412.6	2433.5	2427.5
10°	2406.6	2411.1	2397.6	2426.0	2421.5
12.5°	2376.7	2385.7	2381.2	2412.6	2408.1
15°	2340.9	2351.3	2357.3	2387.2	2382.7
17.5°	2293.1	2312.5	2326.0	2349.9	2342.4
20°	2242.4	2269.2	2284.2	2296.1	2284.2
22.5°	2187.1	2223.0	2231.9	2225.9	2214.0
25°	2125.9	2169.2	2169.2	2149.8	2133.4
27.5°	2057.2	2111.0	2096.1	2073.7	2060.2
30°	1982.6	2046.8	2021.4	1996.0	1993.0
32.5°	1907.9	1975.1	1937.8	1931.8	1936.3
35°	1825.8	1893.0	1857.2	1872.1	1876.6
37.5°	1743.7	1810.9	1787.0	1809.4	1822.9
40°	1654.2	1725.8	1710.9	1751.2	1769.1
42.5°	1566.1	1640.7	1639.2	1691.5	1718.3
45°	1479.5	1552.6	1569.1	1633.3	1663.1
47.5°	1385.4	1460.1	1500.4	1575.0	1604.9
50°	1292.9	1373.5	1428.7	1512.3	1546.7
52.5°	1197.3	1282.4	1358.6	1451.1	1486.9
55°	1098.8	1192.8	1283.9	1386.9	1424.2
57.5°	1010.7	1106.3	1213.7	1319.7	1363.0
60°	913.7	1019.7	1137.6	1249.6	1292.9
62.5°	825.6	934.6	1065.9	1183.9	1230.2
65°	731.5	848.0	991.3	1121.2	1164.5
67.5°	644.9	764.4	921.1	1052.5	1100.3
70°	555.4	682.3	852.5	991.3	1040.6
72.5°	462.8	597.2	783.8	931.6	982.3
75°	374.7	519.5	719.6	870.4	925.6
77.5°	292.6	444.9	661.4	816.6	870.4
80°	212.0	377.7	600.2	761.4	816.6
82.5°	140.3	319.5	550.9	712.1	770.3
85°	85.1	267.2	498.6	662.9	721.1
87.5°	38.8	223.9	456.8	619.6	676.3
90°	1.5	189.6	416.5	576.3	633.0
92.5°	1.5	165.7	383.7	538.9	594.2
95°	1.5	147.8	352.3	504.6	556.9
97.5°	1.5	135.9	328.4	471.8	522.5
100°	1.5	123.9	304.6	441.9	494.2
102.5°	3.0	113.5	286.6	415.0	464.3
105°	3.0	106.0	271.7	394.1	438.9
107.5°	3.0	101.5	255.3	373.2	415.0
110°	3.0	97.0	237.4	352.3	394.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	94.1	223.9	334.4	374.7
115°	3.0	91.1	210.5	313.5	353.8
117.5°	3.0	89.6	203.0	297.1	335.9
120°	4.5	85.1	194.1	282.2	319.5
122.5°	4.5	80.6	185.1	270.2	303.1
125°	4.5	77.6	177.7	256.8	289.6
127.5°	4.5	73.2	170.2	244.8	274.7
130°	4.5	68.7	164.2	232.9	261.3
132.5°	4.5	64.2	156.8	221.0	247.8
135°	4.5	59.7	147.8	209.0	234.4
137.5°	4.5	55.2	138.8	197.1	221.0
140°	4.5	50.8	126.9	185.1	207.5
142.5°	4.5	46.3	115.0	173.2	192.6
145°	6.0	43.3	103.0	159.7	179.1
147.5°	6.0	38.8	91.1	146.3	162.7
150°	6.0	35.8	82.1	132.9	147.8
152.5°	6.0	31.4	73.2	117.9	132.9
155°	6.0	28.4	62.7	101.5	117.9
157.5°	6.0	25.4	53.7	85.1	103.0
160°	6.0	23.9	46.3	70.2	88.1
162.5°	7.5	20.9	38.8	56.7	73.2
165°	7.5	17.9	32.8	44.8	59.7
167.5°	7.5	14.9	26.9	34.3	46.3
170°	7.5	11.9	20.9	23.9	35.8
172.5°	7.5	9.0	14.9	16.4	17.9
175°	7.5	7.5	9.0	9.0	4.5
177.5°	7.5	7.5	6.0	4.5	1.5
180°	4.5	4.5	4.5	4.5	4.5

(END OF REPORT)