

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: P565965

Luminaire Tested: **4SNX-100HL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565965
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-L950-CD
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

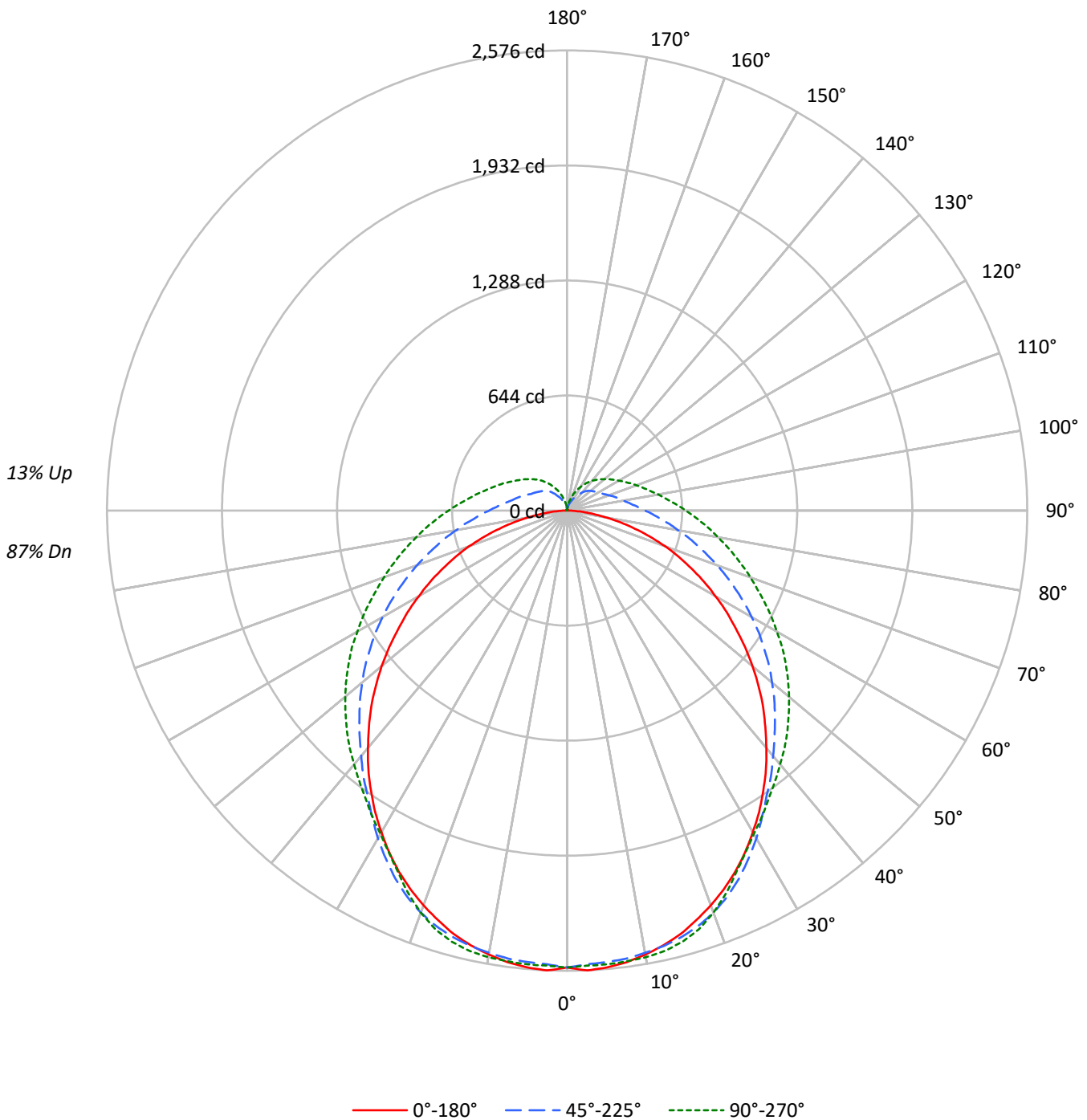
Lumens per Lamp: N/A
Luminaire Lumens: 9233.0 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

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	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°	27531	27531	27531
5°	27637	26266	26033
10°	27378	25247	24831
15°	27049	24284	23620
20°	26529	23203	22076
25°	25969	21898	20266
30°	25229	20433	18754
35°	24443	18943	17627
40°	23547	17747	16714
45°	22669	16685	15927
50°	21627	15708	15133
55°	20406	14728	14356
60°	19235	13750	13544
65°	17933	12763	12798
70°	16443	11838	12125
75°	14141	10936	11571
80°	11146	10157	11101
85°	7462	9601	10831



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.0	2.6
10°-20°	698.6	7.6
20°-30°	1040.3	11.3
30°-40°	1227.5	13.3
40°-50°	1280.1	13.9
50°-60°	1203.0	13.0
60°-70°	1015.9	11.0
70°-80°	767.6	8.3
80°-90°	529.1	5.7
90°-100°	370.3	4.0
100°-110°	276.3	3.0
110°-120°	208.3	2.3
120°-130°	155.3	1.7
130°-140°	109.0	1.2
140°-150°	65.9	0.7
150°-160°	31.5	0.3
160°-170°	10.1	0.1
170°-180°	1.2	0.0
0°-30°	1981.8	21.5
0°-40°	3209.3	34.8
0°-60°	5692.4	61.7
0°-90°	8005.0	86.7
90°-120°	854.9	9.3
90°-150°	1185.2	12.8
90°-180°	1228.0	13.3
0°-180°	9233.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2558	2558	2558	2558	2558	
5°	2567	2562	2537	2556	2550	244
15°	2454	2465	2472	2503	2498	691
25°	2229	2274	2274	2254	2237	1026
35°	1914	1985	1947	1963	1968	1197
45°	1551	1628	1645	1712	1744	1195
55°	1152	1251	1346	1454	1493	1034
65°	767	889	1039	1176	1221	762
75°	393	545	754	913	970	418
85°	89	280	523	695	756	100
90°	2	199	437	604	664	6
95°	2	155	369	529	584	1
105°	3	111	285	413	460	3
115°	3	96	221	329	371	3
125°	5	81	186	269	304	4
135°	5	63	155	219	246	4
145°	6	45	108	168	188	4
155°	6	30	66	106	124	3
165°	8	19	34	47	63	2
175°	8	8	9	9	5	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2557.7	2557.7	2557.7	2557.7	2557.7
2.5°	2576.5	2570.2	2542.1	2557.7	2549.9
5°	2567.1	2562.4	2537.4	2556.1	2549.9
7.5°	2549.9	2548.3	2529.5	2551.5	2545.2
10°	2523.3	2528.0	2513.9	2543.6	2538.9
12.5°	2492.0	2501.4	2496.7	2529.5	2524.8
15°	2454.4	2465.4	2471.6	2502.9	2498.2
17.5°	2404.3	2424.7	2438.7	2463.8	2456.0
20°	2351.1	2379.3	2394.9	2407.4	2394.9
22.5°	2293.2	2330.7	2340.1	2333.9	2321.4
25°	2229.0	2274.4	2274.4	2254.0	2236.8
27.5°	2157.0	2213.3	2197.7	2174.2	2160.1
30°	2078.7	2146.0	2119.4	2092.8	2089.7
32.5°	2000.5	2070.9	2031.8	2025.5	2030.2
35°	1914.4	1984.8	1947.2	1962.9	1967.6
37.5°	1828.3	1898.7	1873.7	1897.2	1911.2
40°	1734.4	1809.5	1793.8	1836.1	1854.9
42.5°	1642.0	1720.3	1718.7	1773.5	1801.7
45°	1551.2	1627.9	1645.1	1712.4	1743.8
47.5°	1452.6	1530.9	1573.1	1651.4	1682.7
50°	1355.6	1440.1	1498.0	1585.7	1621.7
52.5°	1255.4	1344.6	1424.4	1521.5	1559.0
55°	1152.1	1250.7	1346.2	1454.2	1493.3
57.5°	1059.7	1159.9	1272.6	1383.7	1429.1
60°	958.0	1069.1	1192.8	1310.2	1355.6
62.5°	865.6	979.9	1117.6	1241.3	1289.8
65°	767.0	889.1	1039.4	1175.5	1220.9
67.5°	676.2	801.4	965.8	1103.5	1153.6
70°	582.3	715.3	893.8	1039.4	1091.0
72.5°	485.2	626.1	821.8	976.8	1030.0
75°	392.9	544.7	754.5	912.6	970.5
77.5°	306.8	466.5	693.4	856.2	912.6
80°	222.3	396.0	629.3	798.3	856.2
82.5°	147.1	335.0	577.6	746.7	807.7
85°	89.2	280.2	522.8	695.0	756.0
87.5°	40.7	234.8	479.0	649.6	709.1
90°	1.6	198.8	436.7	604.2	663.7
92.5°	1.6	173.7	402.3	565.1	623.0
95°	1.6	155.0	369.4	529.1	583.9
97.5°	1.6	142.4	344.4	494.6	547.9
100°	1.6	129.9	319.3	463.3	518.1
102.5°	3.1	119.0	300.5	435.2	486.8
105°	3.1	111.1	284.9	413.2	460.2
107.5°	3.1	106.4	267.7	391.3	435.2
110°	3.1	101.7	248.9	369.4	413.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.1	98.6	234.8	350.6	392.9
115°	3.1	95.5	220.7	328.7	371.0
117.5°	3.1	93.9	212.9	311.5	352.2
120°	4.7	89.2	203.5	295.8	335.0
122.5°	4.7	84.5	194.1	283.3	317.8
125°	4.7	81.4	186.3	269.2	303.7
127.5°	4.7	76.7	178.4	256.7	288.0
130°	4.7	72.0	172.2	244.2	273.9
132.5°	4.7	67.3	164.4	231.7	259.8
135°	4.7	62.6	155.0	219.1	245.8
137.5°	4.7	57.9	145.6	206.6	231.7
140°	4.7	53.2	133.1	194.1	217.6
142.5°	4.7	48.5	120.5	181.6	201.9
145°	6.3	45.4	108.0	167.5	187.8
147.5°	6.3	40.7	95.5	153.4	170.6
150°	6.3	37.6	86.1	139.3	155.0
152.5°	6.3	32.9	76.7	123.7	139.3
155°	6.3	29.7	65.7	106.4	123.7
157.5°	6.3	26.6	56.4	89.2	108.0
160°	6.3	25.0	48.5	73.6	92.4
162.5°	7.8	21.9	40.7	59.5	76.7
165°	7.8	18.8	34.4	47.0	62.6
167.5°	7.8	15.7	28.2	36.0	48.5
170°	7.8	12.5	21.9	25.0	37.6
172.5°	7.8	9.4	15.7	17.2	18.8
175°	7.8	7.8	9.4	9.4	4.7
177.5°	7.8	7.8	6.3	4.7	1.6
180°	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)