

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: P565973

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565973
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-100HL-LW-UNV-L950-CD
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

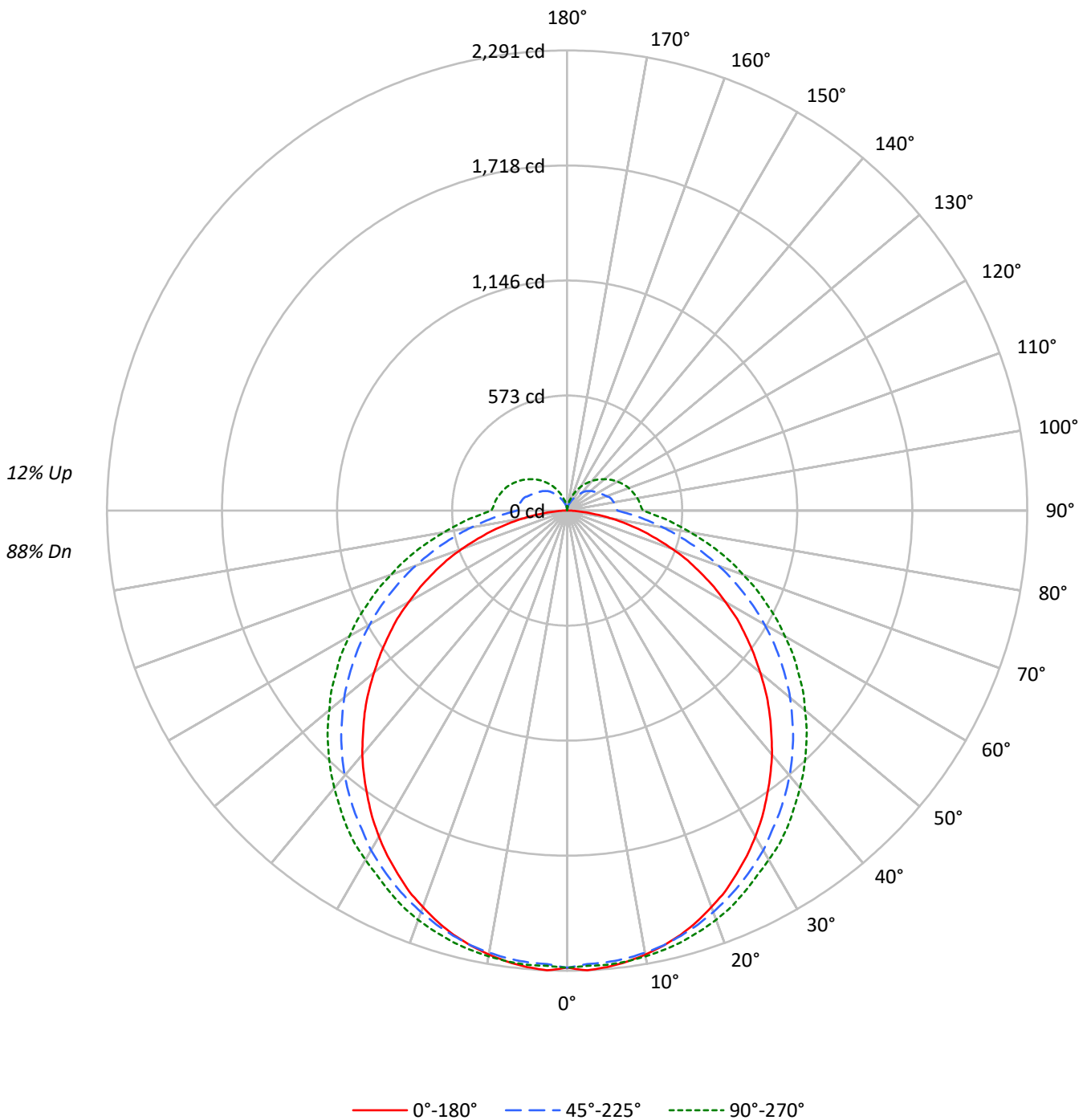
Lumens per Lamp: N/A
Luminaire Lumens: 8193.0 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 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	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°	24495	24495	24495
5°	24560	23368	23177
10°	24357	22446	22038
15°	24090	21532	20999
20°	23699	20607	19995
25°	23244	19708	18965
30°	22750	18829	18018
35°	22141	17908	17169
40°	21543	17045	16245
45°	20832	16137	15364
50°	20010	15198	14428
55°	19209	14168	13501
60°	18284	13084	12504
65°	17157	11905	11472
70°	15729	10629	10354
75°	13734	9233	9284
80°	10975	7834	8058
85°	7044	6494	7036



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.0	2.6
10°-20°	621.5	7.6
20°-30°	945.4	11.5
30°-40°	1149.5	14.0
40°-50°	1216.2	14.8
50°-60°	1140.0	13.9
60°-70°	937.8	11.4
70°-80°	648.9	7.9
80°-90°	360.8	4.4
90°-100°	237.7	2.9
100°-110°	213.2	2.6
110°-120°	176.4	2.2
120°-130°	136.4	1.7
130°-140°	96.6	1.2
140°-150°	58.2	0.7
150°-160°	28.0	0.3
160°-170°	9.2	0.1
170°-180°	1.1	0.0
0°-30°	1782.9	21.8
0°-40°	2932.5	35.8
0°-60°	5288.6	64.6
0°-90°	7236.2	88.3
90°-120°	627.3	7.7
90°-150°	918.5	11.2
90°-180°	957.0	11.7
0°-180°	8193.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2276	2276	2276	2276	2276	
5°	2281	2277	2258	2276	2270	217
15°	2186	2193	2192	2221	2221	616
25°	1995	2023	2047	2092	2093	920
35°	1734	1780	1841	1900	1916	1085
45°	1426	1500	1591	1663	1682	1099
55°	1084	1181	1295	1376	1404	971
65°	734	839	970	1065	1094	728
75°	382	492	637	738	779	405
85°	84	209	354	452	491	97
90°	1	118	250	344	377	6
95°	1	112	243	332	365	1
105°	1	97	227	313	341	1
115°	3	84	192	278	309	2
125°	3	72	164	237	267	3
135°	3	56	138	195	219	2
145°	3	41	95	147	166	2
155°	4	28	59	94	109	2
165°	4	18	32	44	56	1
175°	4	7	10	10	6	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2275.7	2275.7	2275.7	2275.7	2275.7
2.5°	2291.1	2284.1	2260.3	2275.7	2268.7
5°	2281.3	2277.1	2257.5	2275.7	2270.1
7.5°	2265.9	2264.5	2249.0	2270.1	2264.5
10°	2244.8	2247.6	2235.0	2257.5	2253.3
12.5°	2218.2	2222.4	2216.8	2242.0	2239.2
15°	2185.9	2192.9	2191.5	2221.0	2221.0
17.5°	2146.6	2156.4	2162.1	2195.7	2195.7
20°	2100.3	2115.8	2127.0	2163.5	2169.1
22.5°	2054.0	2072.3	2089.1	2127.0	2135.4
25°	1995.1	2023.2	2047.0	2091.9	2093.3
27.5°	1937.6	1968.4	2000.7	2044.2	2048.4
30°	1874.4	1913.7	1953.0	1995.1	2007.7
32.5°	1807.1	1850.6	1894.1	1950.2	1967.0
35°	1734.1	1780.4	1840.8	1899.7	1916.5
37.5°	1661.2	1713.1	1783.2	1843.6	1859.0
40°	1586.8	1644.3	1722.9	1784.6	1802.9
42.5°	1504.0	1574.2	1658.4	1724.3	1745.4
45°	1425.5	1499.8	1591.0	1662.6	1682.2
47.5°	1342.7	1421.3	1519.5	1595.2	1617.7
50°	1254.3	1344.1	1449.3	1525.1	1546.1
52.5°	1171.5	1262.7	1373.6	1452.1	1481.6
55°	1084.5	1181.3	1295.0	1376.4	1404.4
57.5°	1003.2	1095.8	1217.8	1299.2	1334.3
60°	910.6	1013.0	1135.0	1223.4	1251.5
62.5°	823.6	927.4	1053.7	1144.9	1177.1
65°	733.8	839.0	969.5	1064.9	1094.4
67.5°	649.6	753.4	886.7	980.7	1018.6
70°	557.0	666.4	802.5	899.3	931.6
72.5°	465.8	579.4	718.3	822.2	858.6
75°	381.6	492.5	637.0	738.0	778.7
77.5°	300.2	412.5	558.4	662.2	697.3
80°	218.9	336.7	485.4	587.9	621.5
82.5°	144.5	268.0	415.3	517.7	554.2
85°	84.2	209.0	353.6	451.8	491.1
87.5°	36.5	158.5	296.0	392.8	425.1
90°	1.4	117.9	249.7	343.7	377.4
92.5°	1.4	115.0	244.1	336.7	369.0
95°	1.4	112.2	242.7	332.5	364.8
97.5°	1.4	110.8	239.9	329.7	360.6
100°	1.4	106.6	235.7	324.1	355.0
102.5°	1.4	101.0	231.5	318.5	347.9
105°	1.4	96.8	227.3	312.9	340.9
107.5°	1.4	92.6	220.3	305.9	333.9
110°	1.4	88.4	209.0	298.8	326.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	87.0	200.6	289.0	318.5
115°	2.8	84.2	192.2	277.8	308.7
117.5°	2.8	82.8	185.2	266.6	298.8
120°	2.8	78.6	178.2	256.8	287.6
122.5°	2.8	74.4	171.2	246.9	277.8
125°	2.8	71.6	164.2	237.1	266.6
127.5°	2.8	67.3	158.5	227.3	253.9
130°	2.8	64.5	151.5	216.1	242.7
132.5°	2.8	60.3	144.5	204.8	230.1
135°	2.8	56.1	137.5	195.0	218.9
137.5°	2.8	50.5	129.1	183.8	206.2
140°	2.8	46.3	117.9	172.6	193.6
142.5°	2.8	43.5	106.6	159.9	179.6
145°	2.8	40.7	95.4	147.3	165.6
147.5°	2.8	37.9	85.6	134.7	151.5
150°	2.8	33.7	75.8	123.5	137.5
152.5°	4.2	30.9	67.3	109.4	123.5
155°	4.2	28.1	58.9	94.0	109.4
157.5°	4.2	25.3	50.5	78.6	95.4
160°	4.2	22.4	43.5	64.5	81.4
162.5°	4.2	21.0	37.9	53.3	68.7
165°	4.2	18.2	32.3	43.5	56.1
167.5°	4.2	14.0	26.7	33.7	46.3
170°	4.2	11.2	21.0	23.9	35.1
172.5°	4.2	8.4	15.4	16.8	18.2
175°	4.2	7.0	9.8	9.8	5.6
177.5°	4.2	5.6	5.6	5.6	2.8
180°	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)