

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: P565964

Luminaire Tested: **4SNX-100HL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565964
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-L940-CD
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

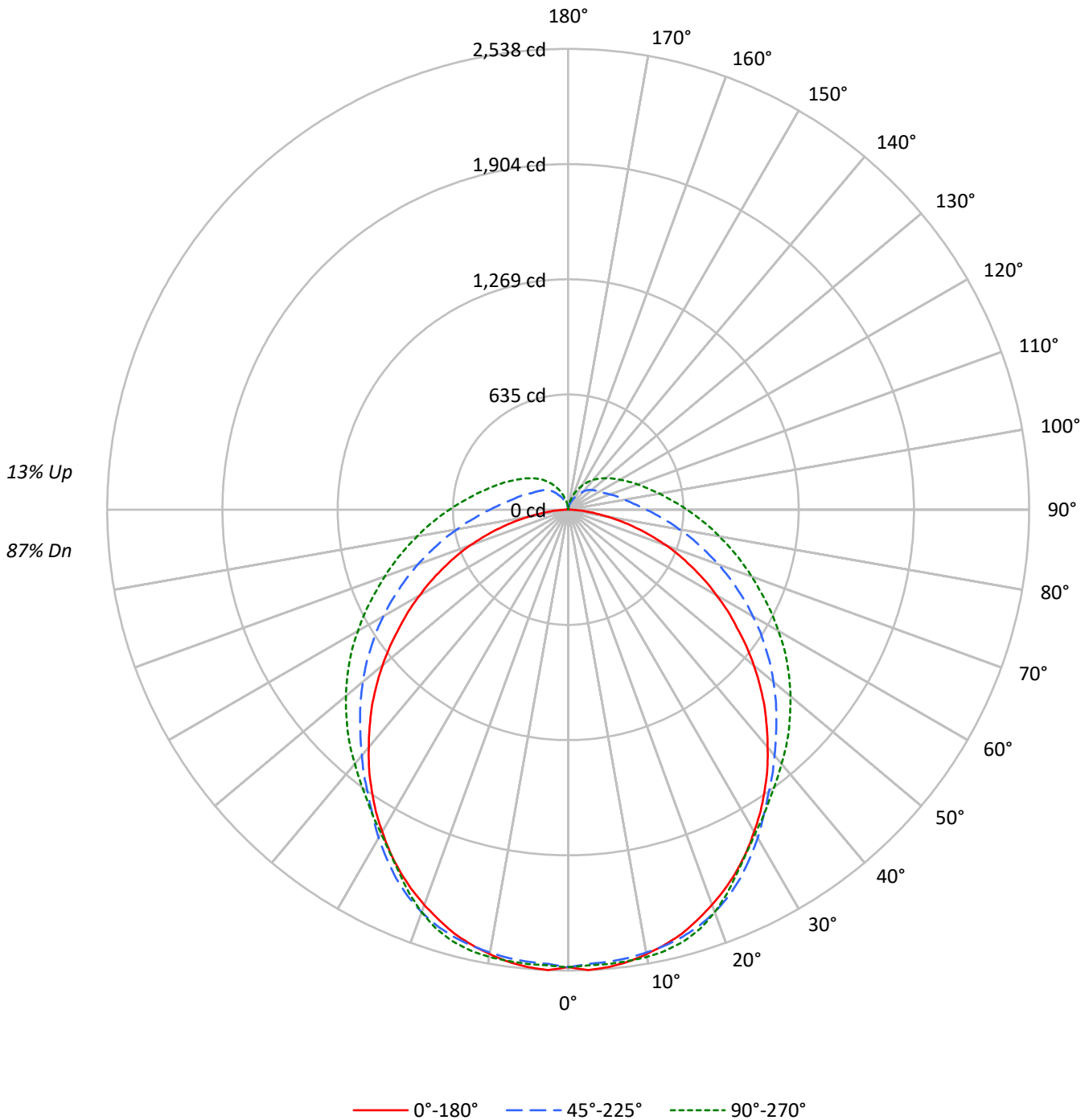
Lumens per Lamp: N/A
Luminaire Lumens: 9095.0 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

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°	27120	27120	27120
5°	27223	25872	25644
10°	26969	24869	24460
15°	26644	23921	23267
20°	26133	22856	21746
25°	25581	21570	19963
30°	24853	20128	18474
35°	24078	18660	17363
40°	23194	17481	16464
45°	22330	16436	15688
50°	21303	15473	14906
55°	20100	14507	14141
60°	18948	13543	13341
65°	17664	12572	12607
70°	16198	11661	11944
75°	13929	10772	11398
80°	10980	10003	10935
85°	7354	9458	10669



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.3	2.6
10°-20°	688.1	7.6
20°-30°	1024.7	11.3
30°-40°	1209.1	13.3
40°-50°	1261.0	13.9
50°-60°	1185.0	13.0
60°-70°	1000.7	11.0
70°-80°	756.1	8.3
80°-90°	521.2	5.7
90°-100°	364.7	4.0
100°-110°	272.2	3.0
110°-120°	205.2	2.3
120°-130°	153.0	1.7
130°-140°	107.4	1.2
140°-150°	64.9	0.7
150°-160°	31.1	0.3
160°-170°	10.0	0.1
170°-180°	1.2	0.0
0°-30°	1952.2	21.5
0°-40°	3161.3	34.8
0°-60°	5607.3	61.7
0°-90°	7885.3	86.7
90°-120°	842.1	9.3
90°-150°	1167.5	12.8
90°-180°	1210.0	13.3
0°-180°	9095.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2520	2520	2520	2520	2520	
5°	2529	2524	2499	2518	2512	240
15°	2418	2428	2435	2466	2461	681
25°	2196	2240	2240	2220	2203	1010
35°	1886	1955	1918	1934	1938	1179
45°	1528	1604	1620	1687	1718	1177
55°	1135	1232	1326	1432	1471	1018
65°	756	876	1024	1158	1203	750
75°	387	537	743	899	956	412
85°	88	276	515	685	745	99
90°	2	196	430	595	654	6
95°	2	153	364	521	575	1
105°	3	110	281	407	453	3
115°	3	94	217	324	365	3
125°	5	80	184	265	299	4
135°	5	62	153	216	242	4
145°	6	45	106	165	185	3
155°	6	29	65	105	122	3
165°	8	18	34	46	62	2
175°	8	8	9	9	5	1
180°	5	5	5	5	5	



TEST NUMBER: P565964

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2519.5	2519.5	2519.5	2519.5	2519.5
2.5°	2538.0	2531.8	2504.1	2519.5	2511.8
5°	2528.7	2524.1	2499.4	2517.9	2511.8
7.5°	2511.8	2510.2	2491.7	2513.3	2507.1
10°	2485.6	2490.2	2476.3	2505.6	2501.0
12.5°	2454.7	2464.0	2459.3	2491.7	2487.1
15°	2417.7	2428.5	2434.7	2465.5	2460.9
17.5°	2368.4	2388.4	2402.3	2427.0	2419.3
20°	2316.0	2343.7	2359.1	2371.5	2359.1
22.5°	2258.9	2295.9	2305.2	2299.0	2286.7
25°	2195.7	2240.4	2240.4	2220.4	2203.4
27.5°	2124.8	2180.3	2164.8	2141.7	2127.8
30°	2047.7	2114.0	2087.7	2061.5	2058.5
32.5°	1970.6	2039.9	2001.4	1995.2	1999.9
35°	1885.8	1955.1	1918.1	1933.6	1938.2
37.5°	1801.0	1870.3	1845.7	1868.8	1882.7
40°	1708.4	1782.5	1767.0	1808.7	1827.2
42.5°	1617.5	1694.6	1693.0	1747.0	1774.7
45°	1528.0	1603.6	1620.5	1686.9	1717.7
47.5°	1430.9	1508.0	1549.6	1626.7	1657.6
50°	1335.3	1418.6	1475.6	1562.0	1597.4
52.5°	1236.6	1324.5	1403.1	1498.7	1535.7
55°	1134.8	1232.0	1326.0	1432.4	1471.0
57.5°	1043.9	1142.6	1253.6	1363.1	1407.8
60°	943.7	1053.1	1174.9	1290.6	1335.3
62.5°	852.7	965.2	1100.9	1222.7	1270.5
65°	755.5	875.8	1023.8	1158.0	1202.7
67.5°	666.1	789.5	951.4	1087.0	1136.4
70°	573.6	704.7	880.4	1023.8	1074.7
72.5°	478.0	616.8	809.5	962.2	1014.6
75°	387.0	536.6	743.2	898.9	956.0
77.5°	302.2	459.5	683.1	843.4	898.9
80°	219.0	390.1	619.8	786.4	843.4
82.5°	144.9	330.0	569.0	735.5	795.6
85°	87.9	276.0	515.0	684.6	744.7
87.5°	40.1	231.3	471.8	639.9	698.5
90°	1.5	195.8	430.2	595.2	653.8
92.5°	1.5	171.2	396.3	556.6	613.7
95°	1.5	152.6	363.9	521.2	575.1
97.5°	1.5	140.3	339.2	487.2	539.7
100°	1.5	128.0	314.6	456.4	510.4
102.5°	3.1	117.2	296.0	428.7	479.5
105°	3.1	109.5	280.6	407.1	453.3
107.5°	3.1	104.9	263.7	385.5	428.7
110°	3.1	100.2	245.2	363.9	407.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.1	97.1	231.3	345.4	387.0
115°	3.1	94.1	217.4	323.8	365.4
117.5°	3.1	92.5	209.7	306.8	346.9
120°	4.6	87.9	200.4	291.4	330.0
122.5°	4.6	83.3	191.2	279.1	313.0
125°	4.6	80.2	183.5	265.2	299.1
127.5°	4.6	75.6	175.8	252.9	283.7
130°	4.6	70.9	169.6	240.5	269.8
132.5°	4.6	66.3	161.9	228.2	256.0
135°	4.6	61.7	152.6	215.9	242.1
137.5°	4.6	57.1	143.4	203.5	228.2
140°	4.6	52.4	131.1	191.2	214.3
142.5°	4.6	47.8	118.7	178.9	198.9
145°	6.2	44.7	106.4	165.0	185.0
147.5°	6.2	40.1	94.1	151.1	168.1
150°	6.2	37.0	84.8	137.2	152.6
152.5°	6.2	32.4	75.6	121.8	137.2
155°	6.2	29.3	64.8	104.9	121.8
157.5°	6.2	26.2	55.5	87.9	106.4
160°	6.2	24.7	47.8	72.5	91.0
162.5°	7.7	21.6	40.1	58.6	75.6
165°	7.7	18.5	33.9	46.3	61.7
167.5°	7.7	15.4	27.8	35.5	47.8
170°	7.7	12.3	21.6	24.7	37.0
172.5°	7.7	9.3	15.4	17.0	18.5
175°	7.7	7.7	9.3	9.3	4.6
177.5°	7.7	7.7	6.2	4.6	1.5
180°	4.6	4.6	4.6	4.6	4.6

(END OF REPORT)