

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: P565959

Luminaire Tested: **4SNX-100HL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565959
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-L835-CD
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

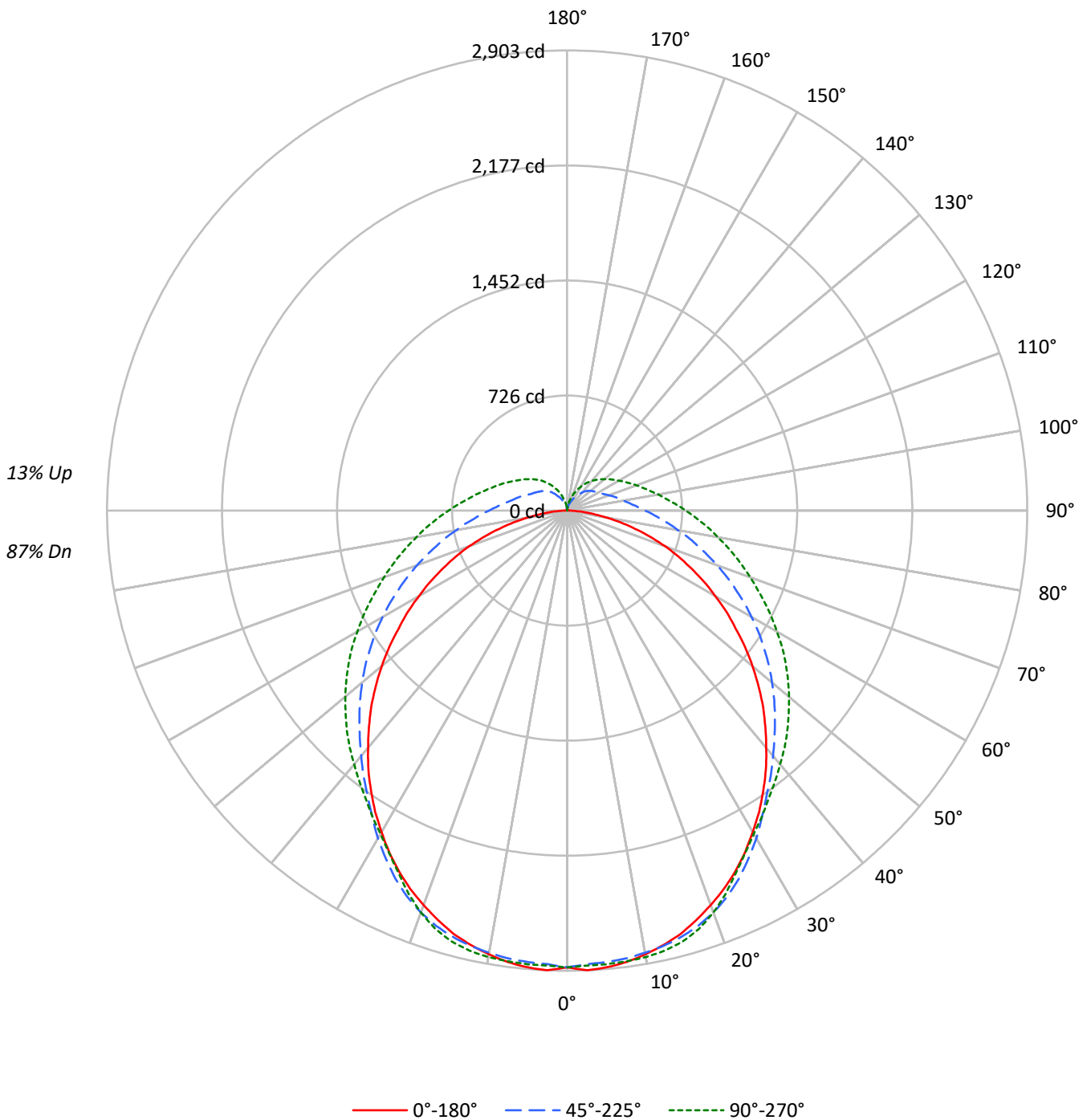
Lumens per Lamp: N/A
Luminaire Lumens: 10402.0 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 72.5
Input Voltage (V): NR
Input Current (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	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°	31016	31016	31016
5°	31136	29591	29329
10°	30845	28444	27975
15°	30474	27359	26610
20°	29888	26140	24871
25°	29256	24671	22831
30°	28424	23021	21129
35°	27538	21342	19858
40°	26529	19994	18830
45°	25539	18798	17943
50°	24364	17698	17049
55°	22989	16592	16173
60°	21671	15490	15258
65°	20203	14379	14419
70°	18525	13337	13661
75°	15930	12320	13037
80°	12555	11442	12506
85°	8408	10817	12204



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.7	2.6
10°-20°	787.0	7.6
20°-30°	1172.0	11.3
30°-40°	1382.9	13.3
40°-50°	1442.2	13.9
50°-60°	1355.3	13.0
60°-70°	1144.5	11.0
70°-80°	864.8	8.3
80°-90°	596.1	5.7
90°-100°	417.2	4.0
100°-110°	311.3	3.0
110°-120°	234.7	2.3
120°-130°	175.0	1.7
130°-140°	122.8	1.2
140°-150°	74.3	0.7
150°-160°	35.5	0.3
160°-170°	11.4	0.1
170°-180°	1.4	0.0
0°-30°	2232.7	21.5
0°-40°	3615.6	34.8
0°-60°	6413.1	61.7
0°-90°	9018.5	86.7
90°-120°	963.1	9.3
90°-150°	1335.3	12.8
90°-180°	1384.0	13.3
0°-180°	10402.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2882	2882	2882	2882	2882	
5°	2892	2887	2859	2880	2873	274
15°	2765	2778	2785	2820	2814	779
25°	2511	2562	2562	2539	2520	1155
35°	2157	2236	2194	2211	2217	1349
45°	1748	1834	1853	1929	1964	1346
55°	1298	1409	1517	1638	1682	1165
65°	864	1002	1171	1324	1376	858
75°	443	614	850	1028	1093	471
85°	100	316	589	783	852	113
90°	2	224	492	681	748	7
95°	2	175	416	596	658	1
105°	4	125	321	466	518	3
115°	4	108	249	370	418	4
125°	5	92	210	303	342	5
135°	5	70	175	247	277	4
145°	7	51	122	189	212	4
155°	7	34	74	120	139	3
165°	9	21	39	53	70	2
175°	9	9	11	11	5	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2881.5	2881.5	2881.5	2881.5	2881.5
2.5°	2902.7	2895.7	2863.9	2881.5	2872.7
5°	2892.1	2886.8	2858.6	2879.8	2872.7
7.5°	2872.7	2871.0	2849.8	2874.5	2867.4
10°	2842.8	2848.0	2832.2	2865.7	2860.4
12.5°	2807.5	2818.1	2812.8	2849.8	2844.5
15°	2765.2	2777.5	2784.6	2819.8	2814.5
17.5°	2708.7	2731.7	2747.5	2775.7	2766.9
20°	2648.8	2680.5	2698.1	2712.3	2698.1
22.5°	2583.5	2625.8	2636.4	2629.4	2615.3
25°	2511.2	2562.4	2562.4	2539.4	2520.0
27.5°	2430.1	2493.6	2475.9	2449.5	2433.6
30°	2341.9	2417.7	2387.8	2357.8	2354.3
32.5°	2253.7	2333.1	2289.0	2282.0	2287.3
35°	2156.8	2236.1	2193.8	2211.4	2216.7
37.5°	2059.8	2139.1	2110.9	2137.4	2153.2
40°	1954.0	2038.6	2021.0	2068.6	2089.7
42.5°	1849.9	1938.1	1936.3	1998.0	2029.8
45°	1747.6	1834.0	1853.4	1929.3	1964.5
47.5°	1636.5	1724.7	1772.3	1860.5	1895.8
50°	1527.2	1622.4	1687.7	1786.4	1827.0
52.5°	1414.3	1514.8	1604.8	1714.1	1756.4
55°	1297.9	1409.0	1516.6	1638.3	1682.4
57.5°	1193.9	1306.7	1433.7	1558.9	1610.1
60°	1079.3	1204.5	1343.8	1476.0	1527.2
62.5°	975.2	1103.9	1259.1	1398.4	1453.1
65°	864.1	1001.7	1171.0	1324.4	1375.5
67.5°	761.8	902.9	1088.1	1243.3	1299.7
70°	656.0	805.9	1007.0	1171.0	1229.2
72.5°	546.7	705.4	925.8	1100.4	1160.4
75°	442.6	613.7	850.0	1028.1	1093.4
77.5°	345.6	525.5	781.2	964.6	1028.1
80°	250.4	446.2	708.9	899.4	964.6
82.5°	165.8	377.4	650.7	841.2	910.0
85°	100.5	315.7	589.0	783.0	851.8
87.5°	45.9	264.5	539.6	731.8	798.9
90°	1.8	224.0	492.0	680.7	747.7
92.5°	1.8	195.7	453.2	636.6	701.9
95°	1.8	174.6	416.2	596.1	657.8
97.5°	1.8	160.5	388.0	557.3	617.2
100°	1.8	146.4	359.8	522.0	583.7
102.5°	3.5	134.0	338.6	490.3	548.4
105°	3.5	125.2	321.0	465.6	518.5
107.5°	3.5	119.9	301.6	440.9	490.3
110°	3.5	114.6	280.4	416.2	465.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.5	111.1	264.5	395.0	442.6
115°	3.5	107.6	248.7	370.3	417.9
117.5°	3.5	105.8	239.8	350.9	396.8
120°	5.3	100.5	229.3	333.3	377.4
122.5°	5.3	95.2	218.7	319.2	358.0
125°	5.3	91.7	209.9	303.3	342.1
127.5°	5.3	86.4	201.0	289.2	324.5
130°	5.3	81.1	194.0	275.1	308.6
132.5°	5.3	75.8	185.2	261.0	292.7
135°	5.3	70.5	174.6	246.9	276.9
137.5°	5.3	65.2	164.0	232.8	261.0
140°	5.3	60.0	149.9	218.7	245.1
142.5°	5.3	54.7	135.8	204.6	227.5
145°	7.1	51.1	121.7	188.7	211.6
147.5°	7.1	45.9	107.6	172.8	192.2
150°	7.1	42.3	97.0	157.0	174.6
152.5°	7.1	37.0	86.4	139.3	157.0
155°	7.1	33.5	74.1	119.9	139.3
157.5°	7.1	30.0	63.5	100.5	121.7
160°	7.1	28.2	54.7	82.9	104.0
162.5°	8.8	24.7	45.9	67.0	86.4
165°	8.8	21.2	38.8	52.9	70.5
167.5°	8.8	17.6	31.7	40.6	54.7
170°	8.8	14.1	24.7	28.2	42.3
172.5°	8.8	10.6	17.6	19.4	21.2
175°	8.8	8.8	10.6	10.6	5.3
177.5°	8.8	8.8	7.1	5.3	1.8
180°	5.3	5.3	5.3	5.3	5.3

(END OF REPORT)