

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: P566900

Luminaire Tested: **4SNX-84HL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-84HL-UNV-L940-CD
Description: 4FT 8400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

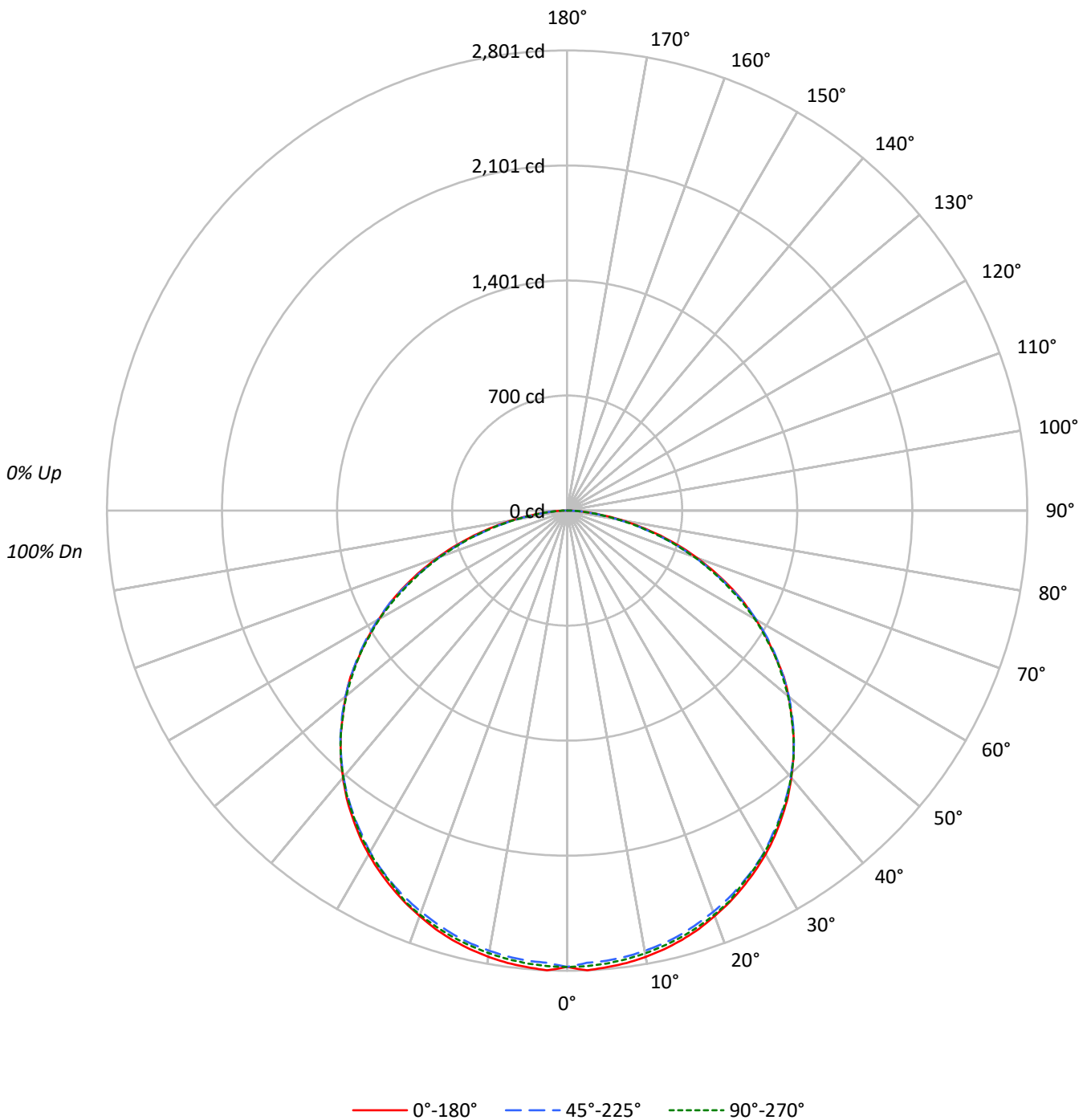
Lumens per Lamp: N/A
Luminaire Lumens: 8315.0 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 57.9
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29900	29900	29900
5°	30141	29721	29900
10°	30155	29744	29911
15°	30142	29776	29945
20°	30081	29772	29987
25°	30044	29807	29863
30°	30025	29835	29865
35°	29951	29765	29813
40°	29831	29765	29782
45°	29669	29722	29669
50°	29469	29528	29370
55°	29009	29163	29009
60°	28520	28647	28393
65°	27815	27484	27186
70°	26490	25898	25822
75°	24446	23269	23369
80°	20914	19600	19966
85°	15537	15240	14227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.6	3.2
10°-20°	759.6	9.1
20°-30°	1162.8	14.0
30°-40°	1422.4	17.1
40°-50°	1504.5	18.1
50°-60°	1386.2	16.7
60°-70°	1066.9	12.8
70°-80°	599.4	7.2
80°-90°	149.5	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2186.0	26.3
0°-40°	3608.4	43.4
0°-60°	6499.1	78.2
0°-90°	8315.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8315.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2778	2778	2778	2778	2778	
5°	2790	2781	2751	2775	2767	265
15°	2705	2698	2672	2696	2687	764
25°	2530	2527	2510	2527	2514	1167
35°	2279	2276	2265	2276	2269	1426
45°	1949	1955	1952	1948	1949	1503
55°	1546	1560	1554	1549	1546	1384
65°	1092	1094	1079	1064	1067	1077
75°	588	578	560	551	562	619
85°	126	123	123	120	115	155
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2777.8	2777.8	2777.8	2777.8	2777.8
2.5°	2801.3	2786.0	2755.4	2782.5	2775.4
5°	2789.5	2781.3	2750.7	2775.4	2767.2
7.5°	2777.8	2768.4	2739.0	2766.0	2754.2
10°	2758.9	2750.7	2721.3	2747.2	2736.6
12.5°	2734.3	2727.2	2700.2	2724.9	2714.3
15°	2704.9	2697.8	2672.0	2695.5	2687.2
17.5°	2669.6	2661.4	2636.7	2661.4	2655.5
20°	2626.1	2621.4	2599.1	2621.4	2617.9
22.5°	2581.4	2575.6	2557.9	2574.4	2575.6
25°	2529.7	2527.4	2509.7	2527.4	2514.4
27.5°	2475.6	2475.6	2458.0	2469.8	2461.5
30°	2415.7	2414.5	2400.4	2406.3	2402.8
32.5°	2351.0	2349.9	2331.1	2346.3	2340.5
35°	2279.3	2275.8	2265.2	2275.8	2268.8
37.5°	2205.3	2201.8	2193.5	2199.4	2198.2
40°	2123.0	2123.0	2118.3	2123.0	2119.5
42.5°	2038.4	2041.9	2036.0	2040.7	2040.7
45°	1949.0	1954.9	1952.5	1947.8	1949.0
47.5°	1853.8	1864.4	1858.5	1857.3	1851.4
50°	1759.8	1769.2	1763.3	1757.4	1753.9
52.5°	1662.2	1666.9	1659.8	1657.5	1649.3
55°	1545.8	1559.9	1554.0	1549.3	1545.8
57.5°	1438.8	1449.4	1444.7	1435.3	1429.4
60°	1324.8	1333.0	1330.7	1320.1	1318.9
62.5°	1213.1	1215.5	1213.1	1194.3	1195.5
65°	1092.1	1094.4	1079.1	1063.8	1067.4
67.5°	965.1	972.2	951.0	928.7	943.9
70°	841.7	839.3	822.9	798.2	820.5
72.5°	714.7	712.4	693.6	675.9	691.2
75°	587.8	578.4	559.5	551.3	561.9
77.5°	456.1	445.5	437.3	431.4	436.1
80°	337.4	323.3	316.2	311.5	322.1
82.5°	224.5	213.9	210.4	213.9	211.6
85°	125.8	123.4	123.4	119.9	115.2
87.5°	51.7	54.1	55.2	54.1	51.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)