

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: P566896

Luminaire Tested: **4SNX-84HL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566896
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-L840-CD
Description: 4FT 8400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

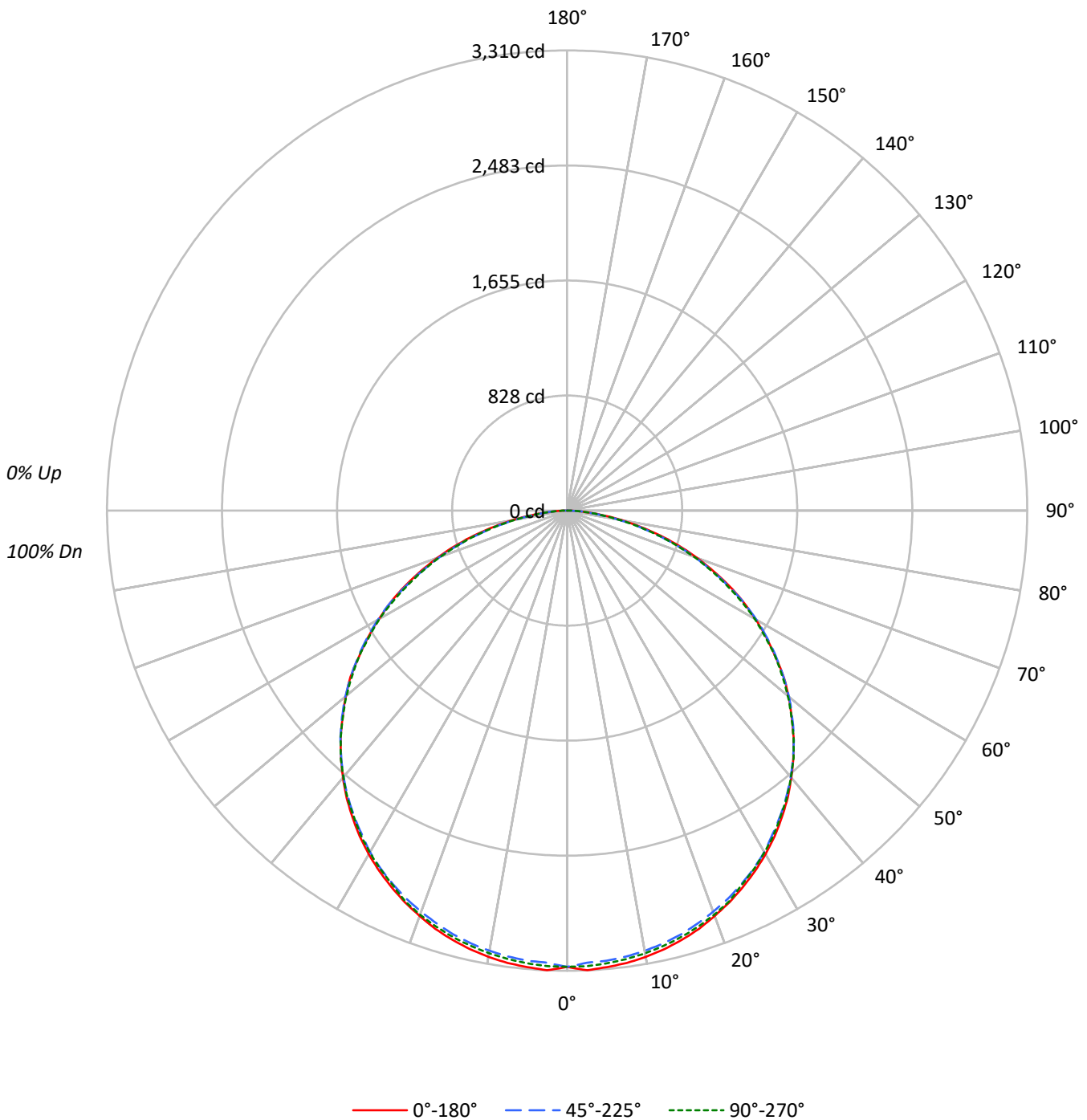
Lumens per Lamp: N/A
Luminaire Lumens: 9824.0 lumens
Efficiency: N/A
Efficacy: 169.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35326	35326	35326
5°	35611	35115	35326
10°	35627	35142	35340
15°	35613	35179	35380
20°	35541	35175	35429
25°	35497	35217	35283
30°	35474	35249	35284
35°	35387	35167	35223
40°	35245	35166	35186
45°	35053	35117	35053
50°	34816	34886	34700
55°	34273	34457	34273
60°	33695	33846	33547
65°	32861	32474	32120
70°	31295	30597	30509
75°	28879	27494	27611
80°	24708	23158	23586
85°	18352	18007	16809



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.5	3.2
10°-20°	897.4	9.1
20°-30°	1373.8	14.0
30°-40°	1680.6	17.1
40°-50°	1777.5	18.1
50°-60°	1637.8	16.7
60°-70°	1260.6	12.8
70°-80°	708.2	7.2
80°-90°	176.7	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°	2582.7	26.3
0°-40°	4263.2	43.4
0°-60°	7678.6	78.2
0°-90°	9824.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9824.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3282	3282	3282	3282	3282	
5°	3296	3286	3250	3279	3269	313
15°	3196	3187	3157	3185	3175	902
25°	2989	2986	2965	2986	2971	1379
35°	2693	2689	2676	2689	2680	1685
45°	2303	2310	2307	2301	2303	1776
55°	1826	1843	1836	1830	1826	1636
65°	1290	1293	1275	1257	1261	1273
75°	694	683	661	651	664	731
85°	149	146	146	142	136	183
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3281.9	3281.9	3281.9	3281.9	3281.9
2.5°	3309.6	3291.6	3255.5	3287.4	3279.1
5°	3295.8	3286.0	3249.9	3279.1	3269.4
7.5°	3281.9	3270.8	3236.0	3268.0	3254.1
10°	3259.6	3249.9	3215.2	3245.8	3233.3
12.5°	3230.5	3222.1	3190.2	3219.4	3206.9
15°	3195.8	3187.4	3156.9	3184.6	3174.9
17.5°	3154.1	3144.4	3115.2	3144.4	3137.4
20°	3102.7	3097.1	3070.8	3097.1	3093.0
22.5°	3049.9	3043.0	3022.1	3041.6	3043.0
25°	2988.8	2986.0	2965.2	2986.0	2970.8
27.5°	2924.9	2924.9	2904.1	2918.0	2908.3
30°	2854.1	2852.7	2836.0	2843.0	2838.8
32.5°	2777.7	2776.3	2754.1	2772.2	2765.2
35°	2693.0	2688.8	2676.3	2688.8	2680.5
37.5°	2605.5	2601.3	2591.6	2598.5	2597.2
40°	2508.3	2508.3	2502.7	2508.3	2504.1
42.5°	2408.3	2412.4	2405.5	2411.1	2411.1
45°	2302.7	2309.7	2306.9	2301.3	2302.7
47.5°	2190.2	2202.7	2195.8	2194.4	2187.4
50°	2079.1	2090.2	2083.3	2076.3	2072.2
52.5°	1963.8	1969.4	1961.1	1958.3	1948.6
55°	1826.3	1843.0	1836.1	1830.5	1826.3
57.5°	1700.0	1712.5	1706.9	1695.8	1688.8
60°	1565.2	1575.0	1572.2	1559.7	1558.3
62.5°	1433.3	1436.1	1433.3	1411.1	1412.5
65°	1290.2	1293.0	1275.0	1256.9	1261.1
67.5°	1140.2	1148.6	1123.6	1097.2	1115.3
70°	994.4	991.6	972.2	943.0	969.4
72.5°	844.4	841.6	819.4	798.6	816.6
75°	694.4	683.3	661.1	651.4	663.9
77.5°	538.9	526.4	516.7	509.7	515.3
80°	398.6	381.9	373.6	368.0	380.5
82.5°	265.3	252.8	248.6	252.8	250.0
85°	148.6	145.8	145.8	141.7	136.1
87.5°	61.1	63.9	65.3	63.9	61.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)