

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: P566894

Luminaire Tested: **4SNX-84HL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566894
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-L830-CD
Description: 4FT 8400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

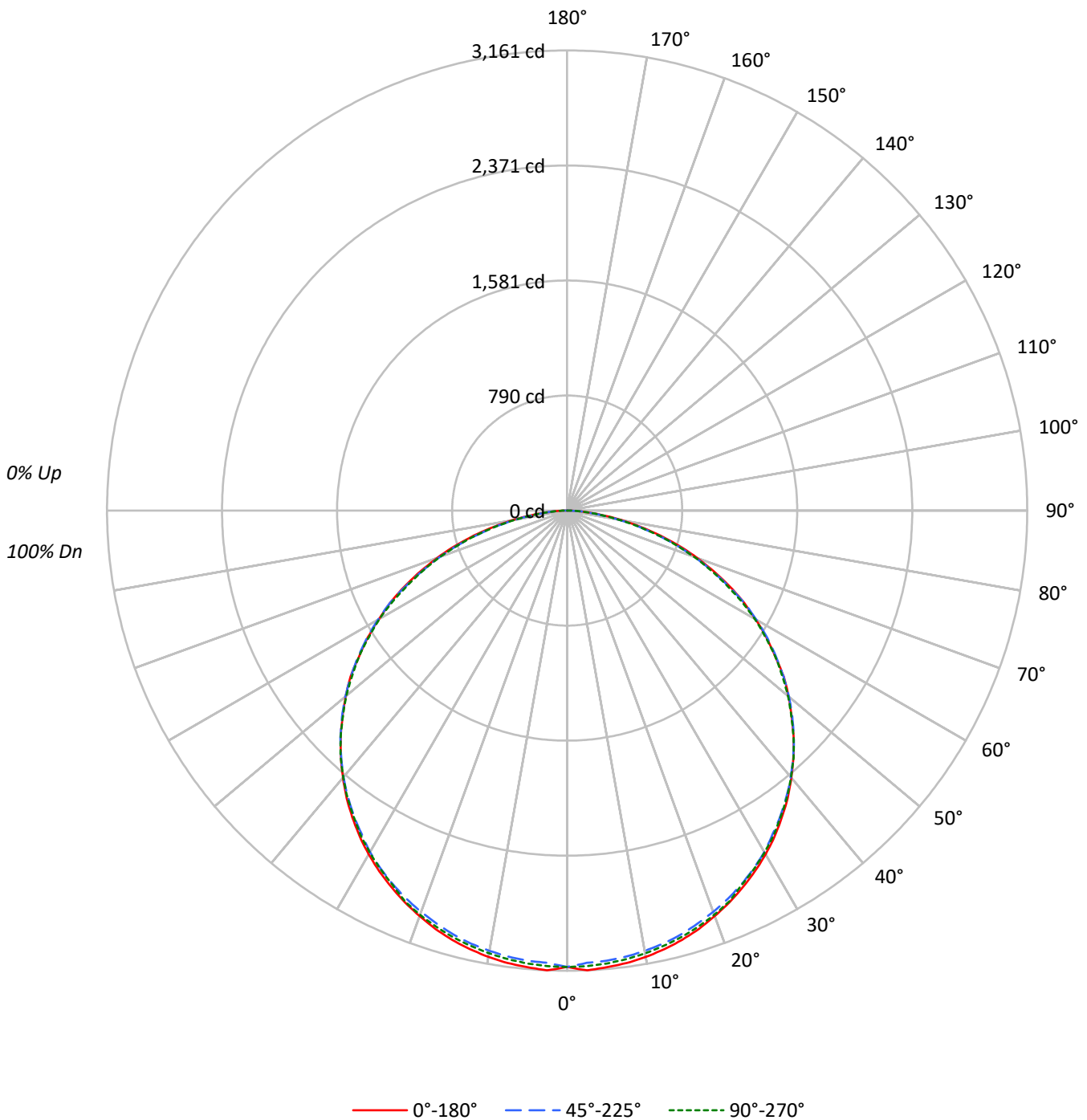
Lumens per Lamp: N/A
Luminaire Lumens: 9384.0 lumens
Efficiency: N/A
Efficacy: 162.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 57.9
Input Voltage (V): NR
Input Current (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	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°	33744	33744	33744
5°	34015	33543	33743
10°	34032	33568	33756
15°	34017	33604	33795
20°	33948	33599	33843
25°	33908	33639	33702
30°	33885	33670	33704
35°	33802	33593	33644
40°	33665	33591	33611
45°	33483	33544	33483
50°	33257	33324	33146
55°	32738	32912	32738
60°	32186	32330	32044
65°	31391	31019	30681
70°	29895	29228	29143
75°	27586	26263	26371
80°	23598	22123	22532
85°	17537	17204	16055



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.5	3.2
10°-20°	857.2	9.1
20°-30°	1312.3	14.0
30°-40°	1605.3	17.1
40°-50°	1697.9	18.1
50°-60°	1564.5	16.7
60°-70°	1204.1	12.8
70°-80°	676.5	7.2
80°-90°	168.8	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°	2467.0	26.3
0°-40°	4072.3	43.4
0°-60°	7334.7	78.2
0°-90°	9384.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9384.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3135	3135	3135	3135	3135	
5°	3148	3139	3104	3132	3123	299
15°	3053	3045	3016	3042	3033	862
25°	2855	2852	2832	2852	2838	1317
35°	2572	2568	2556	2568	2560	1610
45°	2200	2206	2204	2198	2200	1696
55°	1744	1760	1754	1748	1744	1562
65°	1232	1235	1218	1201	1205	1216
75°	663	653	632	622	634	699
85°	142	139	139	135	130	175
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3134.9	3134.9	3134.9	3134.9	3134.9
2.5°	3161.4	3144.2	3109.7	3140.2	3132.2
5°	3148.1	3138.9	3104.4	3132.2	3122.9
7.5°	3134.9	3124.3	3091.1	3121.6	3108.3
10°	3113.6	3104.4	3071.2	3100.4	3088.4
12.5°	3085.8	3077.8	3047.3	3075.2	3063.2
15°	3052.6	3044.7	3015.5	3042.0	3032.7
17.5°	3012.8	3003.5	2975.7	3003.5	2996.9
20°	2963.7	2958.4	2933.2	2958.4	2954.5
22.5°	2913.3	2906.7	2886.8	2905.4	2906.7
25°	2855.0	2852.3	2832.4	2852.3	2837.7
27.5°	2793.9	2793.9	2774.0	2787.3	2778.0
30°	2726.3	2724.9	2709.0	2715.7	2711.7
32.5°	2653.3	2652.0	2630.7	2648.0	2641.4
35°	2572.4	2568.4	2556.5	2568.4	2560.4
37.5°	2488.8	2484.8	2475.5	2482.2	2480.8
40°	2395.9	2395.9	2390.6	2395.9	2392.0
42.5°	2300.4	2304.4	2297.8	2303.1	2303.1
45°	2199.6	2206.2	2203.6	2198.3	2199.6
47.5°	2092.1	2104.1	2097.4	2096.1	2089.5
50°	1986.0	1996.6	1990.0	1983.3	1979.4
52.5°	1875.9	1881.2	1873.2	1870.6	1861.3
55°	1744.5	1760.5	1753.8	1748.5	1744.5
57.5°	1623.8	1635.8	1630.5	1619.8	1613.2
60°	1495.1	1504.4	1501.8	1489.8	1488.5
62.5°	1369.1	1371.8	1369.1	1347.9	1349.2
65°	1232.5	1235.1	1217.9	1200.6	1204.6
67.5°	1089.2	1097.1	1073.3	1048.1	1065.3
70°	949.9	947.2	928.7	900.8	926.0
72.5°	806.6	804.0	782.7	762.8	780.1
75°	663.3	652.7	631.5	622.2	634.1
77.5°	514.7	502.8	493.5	486.9	492.2
80°	380.7	364.8	356.9	351.6	363.5
82.5°	253.4	241.5	237.5	241.5	238.8
85°	142.0	139.3	139.3	135.3	130.0
87.5°	58.4	61.0	62.4	61.0	58.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)