

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: P566895

Luminaire Tested: **4SNX-84HL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566895
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-L835-CD
Description: 4FT 8400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

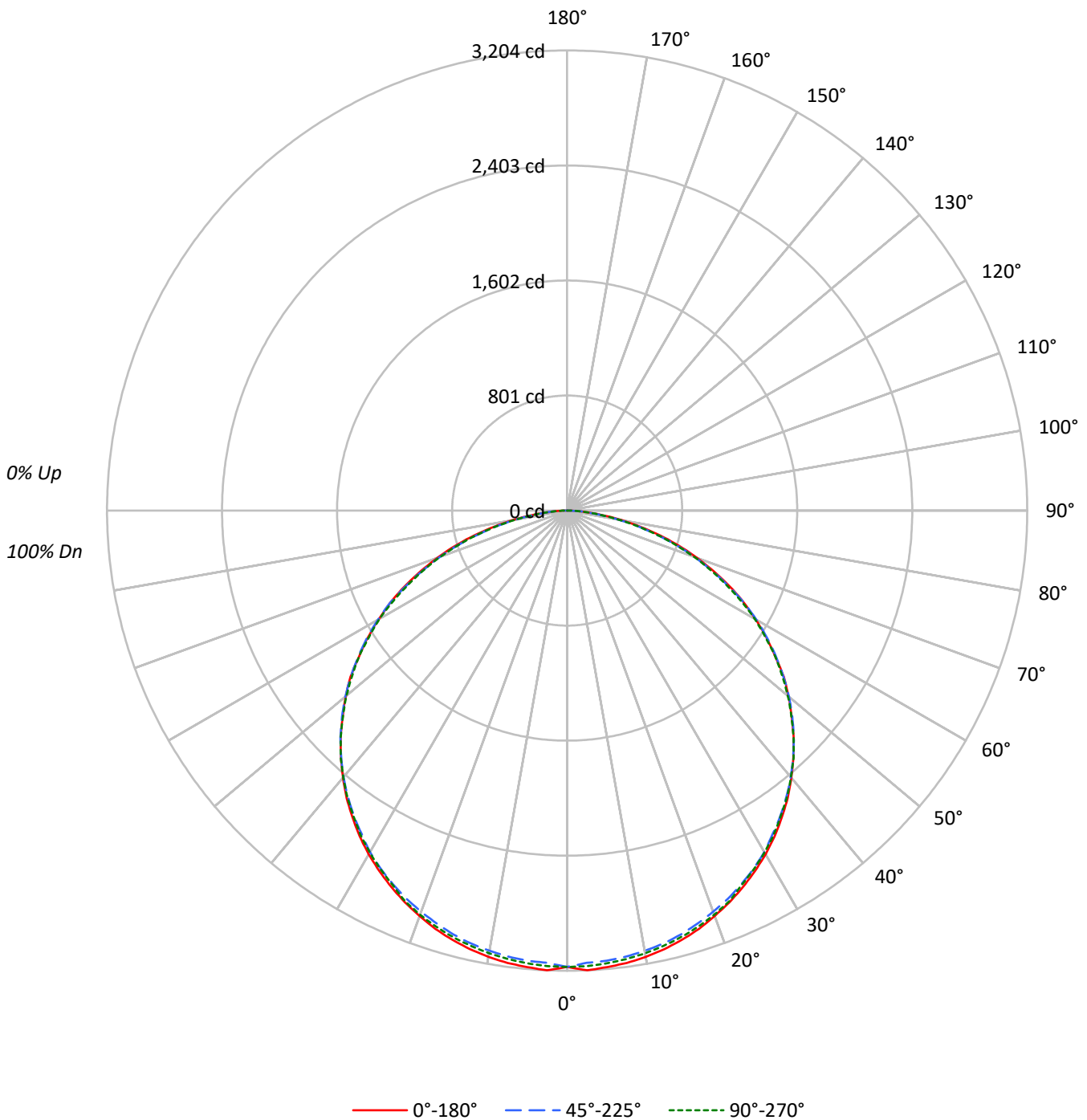
Lumens per Lamp: N/A
Luminaire Lumens: 9510.0 lumens
Efficiency: N/A
Efficacy: 164.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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°	34197	34197	34197
5°	34472	33993	34197
10°	34490	34018	34210
15°	34474	34055	34249
20°	34404	34050	34297
25°	34363	34091	34155
30°	34340	34123	34156
35°	34255	34044	34096
40°	34118	34042	34062
45°	33932	33995	33932
50°	33704	33771	33590
55°	33179	33355	33179
60°	32619	32763	32475
65°	31812	31435	31093
70°	30295	29618	29533
75°	27956	26617	26729
80°	23921	22421	22836
85°	17772	17438	16278



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.5	3.2
10°-20°	868.7	9.1
20°-30°	1329.9	14.0
30°-40°	1626.9	17.1
40°-50°	1720.7	18.1
50°-60°	1585.5	16.7
60°-70°	1220.3	12.8
70°-80°	685.6	7.2
80°-90°	171.0	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°	2500.1	26.3
0°-40°	4127.0	43.4
0°-60°	7433.2	78.2
0°-90°	9510.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9510.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3177	3177	3177	3177	3177	
5°	3190	3181	3146	3174	3165	303
15°	3094	3086	3056	3083	3073	873
25°	2893	2891	2870	2891	2876	1334
35°	2607	2603	2591	2603	2595	1631
45°	2229	2236	2233	2228	2229	1719
55°	1768	1784	1777	1772	1768	1583
65°	1249	1252	1234	1217	1221	1232
75°	672	662	640	631	643	708
85°	144	141	141	137	132	178
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3177.0	3177.0	3177.0	3177.0	3177.0
2.5°	3203.9	3186.4	3151.4	3182.3	3174.3
5°	3190.4	3181.0	3146.0	3174.3	3164.9
7.5°	3177.0	3166.2	3132.6	3163.5	3150.1
10°	3155.5	3146.0	3112.4	3142.0	3129.9
12.5°	3127.2	3119.2	3088.2	3116.5	3104.4
15°	3093.6	3085.5	3056.0	3082.9	3073.4
17.5°	3053.3	3043.9	3015.6	3043.9	3037.1
20°	3003.5	2998.2	2972.6	2998.2	2994.1
22.5°	2952.4	2945.7	2925.6	2944.4	2945.7
25°	2893.3	2890.6	2870.4	2890.6	2875.8
27.5°	2831.4	2831.4	2811.3	2824.7	2815.3
30°	2762.9	2761.5	2745.4	2752.1	2748.1
32.5°	2688.9	2687.6	2666.1	2683.5	2676.8
35°	2606.9	2602.9	2590.8	2602.9	2594.8
37.5°	2522.2	2518.2	2508.8	2515.5	2514.1
40°	2428.1	2428.1	2422.7	2428.1	2424.1
42.5°	2331.3	2335.3	2328.6	2334.0	2334.0
45°	2229.1	2235.8	2233.2	2227.8	2229.1
47.5°	2120.2	2132.3	2125.6	2124.3	2117.5
50°	2012.7	2023.4	2016.7	2010.0	2005.9
52.5°	1901.1	1906.4	1898.4	1895.7	1886.3
55°	1768.0	1784.1	1777.4	1772.0	1768.0
57.5°	1645.6	1657.7	1652.3	1641.6	1634.9
60°	1515.2	1524.6	1521.9	1509.8	1508.5
62.5°	1387.5	1390.2	1387.5	1366.0	1367.3
65°	1249.0	1251.7	1234.2	1216.7	1220.8
67.5°	1103.8	1111.9	1087.7	1062.1	1079.6
70°	962.6	959.9	941.1	912.9	938.4
72.5°	817.4	814.7	793.2	773.1	790.5
75°	672.2	661.5	640.0	630.6	642.7
77.5°	521.7	509.6	500.1	493.4	498.8
80°	385.9	369.7	361.7	356.3	368.4
82.5°	256.8	244.7	240.7	244.7	242.0
85°	143.9	141.2	141.2	137.1	131.8
87.5°	59.2	61.8	63.2	61.8	59.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)