

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: P567434

Luminaire Tested: **8SNX-148HL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567434
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: 8SNX-148HL-UNV-L830-CD
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

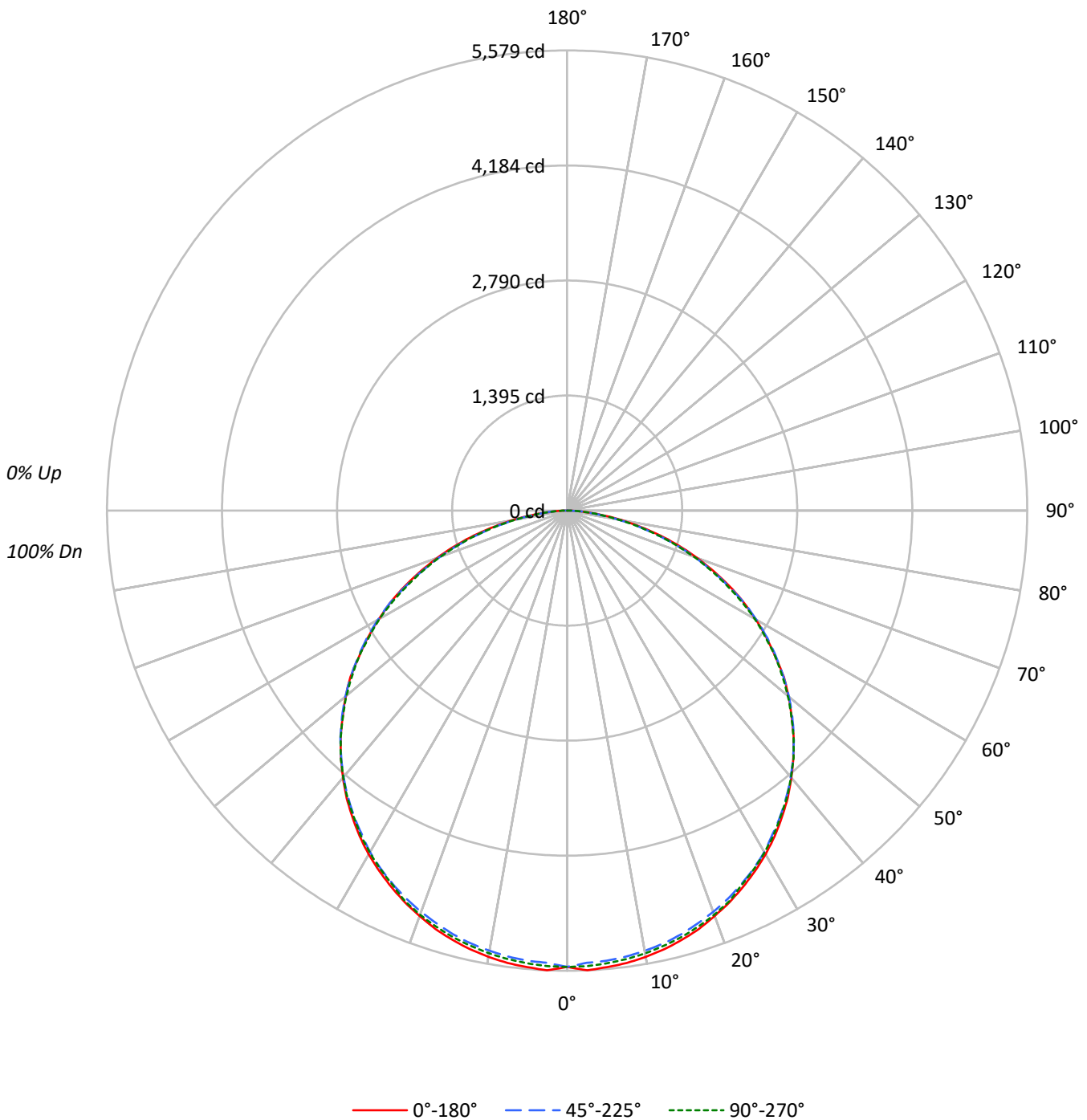
Lumens per Lamp: N/A
Luminaire Lumens: 16560.0 lumens
Efficiency: N/A
Efficacy: 159.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 103.6
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°	29774	29774	29774
5°	30014	29597	29774
10°	30028	29619	29785
15°	30015	29650	29820
20°	29955	29647	29861
25°	29918	29682	29737
30°	29899	29709	29738
35°	29825	29641	29687
40°	29705	29639	29656
45°	29544	29597	29544
50°	29344	29403	29246
55°	28887	29041	28887
60°	28401	28527	28275
65°	27697	27370	27072
70°	26378	25788	25714
75°	24342	23173	23271
80°	20825	19520	19882
85°	15469	15178	14166



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	525.0	3.2
10°-20°	1512.7	9.1
20°-30°	2315.8	14.0
30°-40°	2832.9	17.1
40°-50°	2996.3	18.1
50°-60°	2760.8	16.7
60°-70°	2124.9	12.8
70°-80°	1193.8	7.2
80°-90°	297.8	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°	4353.5	26.3
0°-40°	7186.4	43.4
0°-60°	12943.5	78.2
0°-90°	16560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16560.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5532	5532	5532	5532	5532	
5°	5556	5539	5478	5527	5511	528
15°	5387	5373	5321	5368	5352	1521
25°	5038	5034	4998	5034	5008	2324
35°	4540	4532	4511	4532	4518	2841
45°	3882	3893	3889	3879	3882	2993
55°	3079	3107	3095	3086	3079	2757
65°	2175	2180	2149	2119	2126	2145
75°	1171	1152	1114	1098	1119	1233
85°	250	246	246	239	229	309
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5532.1	5532.1	5532.1	5532.1	5532.1
2.5°	5579.0	5548.5	5487.6	5541.5	5527.4
5°	5555.5	5539.2	5478.3	5527.4	5511.1
7.5°	5532.1	5513.4	5454.9	5508.7	5485.3
10°	5494.7	5478.3	5419.8	5471.3	5450.2
12.5°	5445.5	5431.5	5377.6	5426.8	5405.7
15°	5387.0	5372.9	5321.4	5368.3	5351.9
17.5°	5316.7	5300.4	5251.2	5300.4	5288.7
20°	5230.1	5220.8	5176.3	5220.8	5213.7
22.5°	5141.2	5129.5	5094.3	5127.1	5129.5
25°	5038.1	5033.5	4998.3	5033.5	5007.7
27.5°	4930.5	4930.5	4895.3	4918.8	4902.4
30°	4811.1	4808.7	4780.6	4792.3	4785.3
32.5°	4682.3	4680.0	4642.5	4672.9	4661.2
35°	4539.5	4532.5	4511.4	4532.5	4518.4
37.5°	4392.0	4385.0	4368.6	4380.3	4377.9
40°	4228.1	4228.1	4218.7	4228.1	4221.1
42.5°	4059.5	4066.6	4054.9	4064.2	4064.2
45°	3881.6	3893.3	3888.6	3879.3	3881.6
47.5°	3692.0	3713.1	3701.4	3699.0	3687.3
50°	3504.7	3523.4	3511.7	3500.0	3493.0
52.5°	3310.4	3319.7	3305.7	3301.0	3284.6
55°	3078.6	3106.7	3095.0	3085.6	3078.6
57.5°	2865.6	2886.6	2877.3	2858.5	2846.8
60°	2638.5	2654.9	2650.2	2629.1	2626.8
62.5°	2416.1	2420.7	2416.1	2378.6	2380.9
65°	2174.9	2179.6	2149.2	2118.7	2125.8
67.5°	1922.1	1936.1	1894.0	1849.5	1879.9
70°	1676.3	1671.6	1638.8	1589.6	1634.1
72.5°	1423.4	1418.7	1381.3	1346.2	1376.6
75°	1170.6	1151.8	1114.4	1098.0	1119.1
77.5°	908.4	887.3	870.9	859.2	868.6
80°	671.9	643.8	629.8	620.4	641.5
82.5°	447.2	426.1	419.1	426.1	421.4
85°	250.5	245.8	245.8	238.8	229.4
87.5°	103.0	107.7	110.0	107.7	103.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)