

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: P567438

Luminaire Tested: **8SNX-148HL-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567438  
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-L930-CD  
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

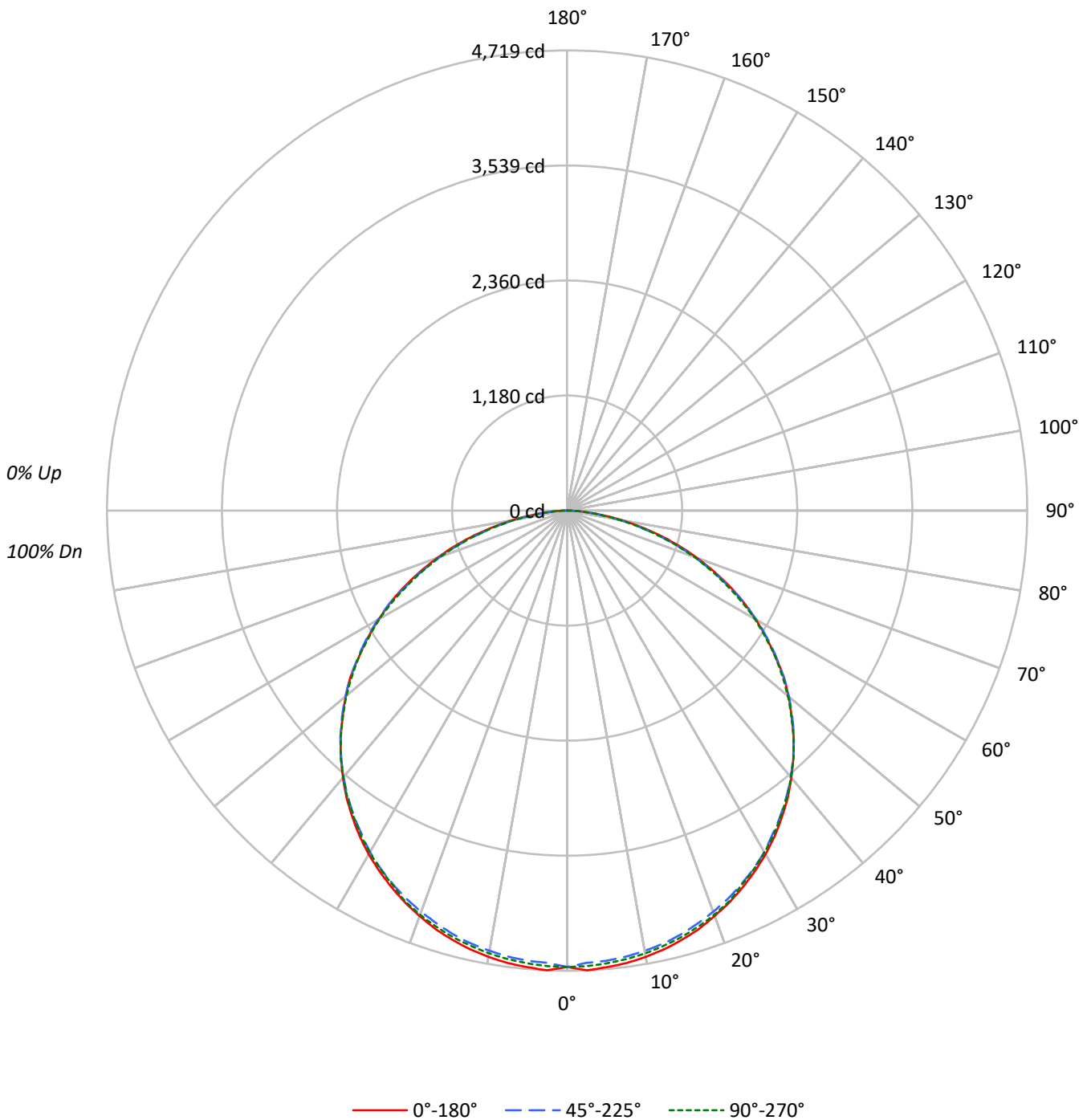
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14007.0 lumens  
Efficiency: N/A  
Efficacy: 135.2 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°	25184	25184	25184
5°	25387	25034	25183
10°	25399	25053	25194
15°	25388	25079	25222
20°	25337	25076	25258
25°	25306	25106	25153
30°	25289	25129	25154
35°	25227	25071	25110
40°	25126	25070	25084
45°	24989	25034	24989
50°	24820	24870	24738
55°	24434	24564	24434
60°	24022	24128	23915
65°	23427	23149	22897
70°	22310	21813	21750
75°	20588	19601	19682
80°	17614	16510	16817
85°	13085	12838	11986



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	444.1	3.2
10°-20°	1279.5	9.1
20°-30°	1958.8	14.0
30°-40°	2396.2	17.1
40°-50°	2534.4	18.1
50°-60°	2335.2	16.7
60°-70°	1797.3	12.8
70°-80°	1009.7	7.2
80°-90°	251.9	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°	3682.4	26.3
0°-40°	6078.5	43.4
0°-60°	10948.1	78.2
0°-90°	14007.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14007.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4679	4679	4679	4679	4679	
5°	4699	4685	4634	4675	4661	447
15°	4556	4545	4501	4541	4527	1286
25°	4261	4258	4228	4258	4236	1965
35°	3840	3834	3816	3834	3822	2403
45°	3283	3293	3289	3281	3283	2532
55°	2604	2628	2618	2610	2604	2332
65°	1840	1844	1818	1792	1798	1815
75°	990	974	943	929	946	1043
85°	212	208	208	202	194	261
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4679.3	4679.3	4679.3	4679.3	4679.3
2.5°	4718.9	4693.1	4641.6	4687.2	4675.3
5°	4699.1	4685.2	4633.7	4675.3	4661.4
7.5°	4679.3	4663.4	4613.9	4659.5	4639.7
10°	4647.6	4633.7	4584.2	4627.8	4610.0
12.5°	4606.0	4594.1	4548.6	4590.2	4572.3
15°	4556.5	4544.6	4501.0	4540.6	4526.8
17.5°	4497.1	4483.2	4441.6	4483.2	4473.3
20°	4423.8	4415.9	4378.3	4415.9	4410.0
22.5°	4348.6	4338.7	4309.0	4336.7	4338.7
25°	4261.4	4257.5	4227.8	4257.5	4235.7
27.5°	4170.3	4170.3	4140.6	4160.4	4146.6
30°	4069.4	4067.4	4043.6	4053.5	4047.6
32.5°	3960.4	3958.5	3926.8	3952.5	3942.6
35°	3839.6	3833.7	3815.9	3833.7	3821.8
37.5°	3714.9	3709.0	3695.1	3705.0	3703.0
40°	3576.3	3576.3	3568.4	3576.3	3570.3
42.5°	3433.7	3439.6	3429.7	3437.7	3437.7
45°	3283.2	3293.1	3289.1	3281.2	3283.2
47.5°	3122.8	3140.6	3130.7	3128.7	3118.8
50°	2964.4	2980.2	2970.3	2960.4	2954.5
52.5°	2800.0	2808.0	2796.1	2792.1	2778.2
55°	2604.0	2627.8	2617.9	2609.9	2604.0
57.5°	2423.8	2441.6	2433.7	2417.8	2407.9
60°	2231.7	2245.6	2241.6	2223.8	2221.8
62.5°	2043.6	2047.5	2043.6	2011.9	2013.9
65°	1839.6	1843.6	1817.8	1792.1	1798.0
67.5°	1625.8	1637.6	1602.0	1564.4	1590.1
70°	1417.8	1413.9	1386.2	1344.6	1382.2
72.5°	1204.0	1200.0	1168.3	1138.6	1164.4
75°	990.1	974.3	942.6	928.7	946.5
77.5°	768.3	750.5	736.6	726.7	734.7
80°	568.3	544.6	532.7	524.8	542.6
82.5°	378.2	360.4	354.5	360.4	356.4
85°	211.9	207.9	207.9	202.0	194.1
87.5°	87.1	91.1	93.1	91.1	87.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)