

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: P567440

Luminaire Tested: **8SNX-148HL-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567440  
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-L940-CD  
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

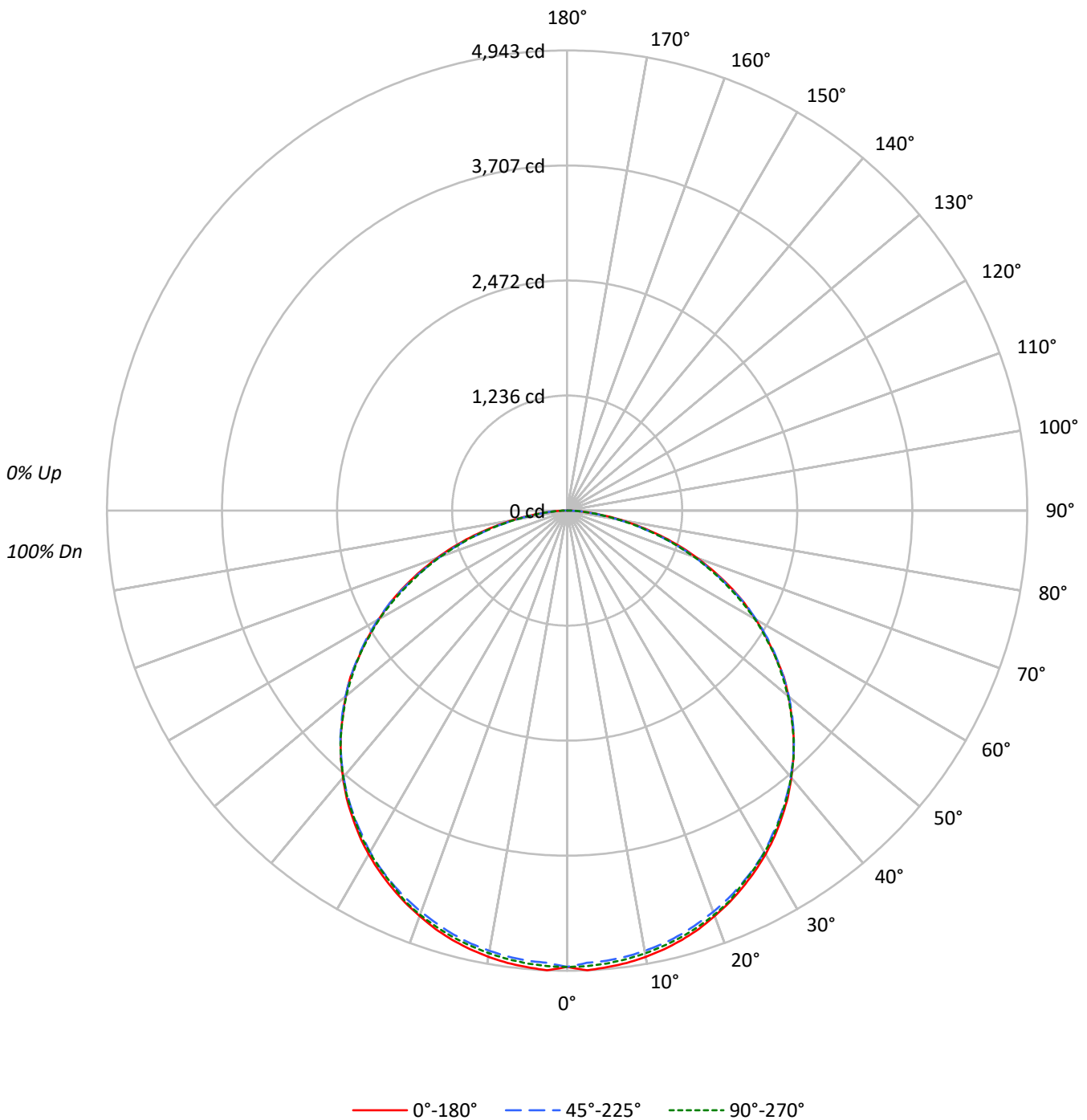
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14673.0 lumens  
Efficiency: N/A  
Efficacy: 141.6 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°	26381	26381	26381
5°	26594	26224	26381
10°	26607	26244	26391
15°	26595	26272	26422
20°	26542	26268	26458
25°	26509	26300	26349
30°	26491	26324	26350
35°	26426	26263	26304
40°	26320	26262	26277
45°	26177	26225	26177
50°	26000	26053	25914
55°	25595	25731	25595
60°	25164	25276	25052
65°	24541	24251	23986
70°	23372	22850	22784
75°	21568	20532	20620
80°	18450	17294	17617
85°	13709	13449	12554



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	465.2	3.2
10°-20°	1340.3	9.1
20°-30°	2051.9	14.0
30°-40°	2510.1	17.1
40°-50°	2654.9	18.1
50°-60°	2446.2	16.7
60°-70°	1882.7	12.8
70°-80°	1057.8	7.2
80°-90°	263.9	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°	3857.5	26.3
0°-40°	6367.5	43.4
0°-60°	11468.6	78.2
0°-90°	14673.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14673.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4902	4902	4902	4902	4902	
5°	4922	4908	4854	4898	4883	468
15°	4773	4761	4715	4756	4742	1347
25°	4464	4460	4429	4460	4437	2059
35°	4022	4016	3997	4016	4004	2517
45°	3439	3450	3446	3437	3439	2652
55°	2728	2753	2742	2734	2728	2443
65°	1927	1931	1904	1877	1884	1901
75°	1037	1021	987	973	992	1092
85°	222	218	218	212	203	274
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4901.7	4901.7	4901.7	4901.7	4901.7
2.5°	4943.2	4916.3	4862.3	4910.0	4897.6
5°	4922.5	4908.0	4854.0	4897.6	4883.1
7.5°	4901.7	4885.2	4833.3	4881.0	4860.3
10°	4868.6	4854.0	4802.2	4847.8	4829.1
12.5°	4825.0	4812.6	4764.8	4808.4	4789.7
15°	4773.1	4760.7	4715.1	4756.5	4742.0
17.5°	4710.9	4696.4	4652.8	4696.4	4686.0
20°	4634.2	4625.9	4586.4	4625.9	4619.6
22.5°	4555.3	4545.0	4513.8	4542.9	4545.0
25°	4464.1	4459.9	4428.8	4459.9	4437.1
27.5°	4368.6	4368.6	4337.5	4358.3	4343.7
30°	4262.8	4260.8	4235.9	4246.2	4240.0
32.5°	4148.8	4146.7	4113.5	4140.5	4130.1
35°	4022.2	4016.0	3997.3	4016.0	4003.5
37.5°	3891.5	3885.3	3870.8	3881.2	3879.1
40°	3746.3	3746.3	3738.0	3746.3	3740.1
42.5°	3597.0	3603.2	3592.8	3601.1	3601.1
45°	3439.3	3449.7	3445.5	3437.2	3439.3
47.5°	3271.3	3290.0	3279.6	3277.5	3267.1
50°	3105.3	3121.9	3111.6	3101.2	3095.0
52.5°	2933.2	2941.5	2929.0	2924.9	2910.3
55°	2727.8	2752.7	2742.3	2734.0	2727.8
57.5°	2539.0	2557.7	2549.4	2532.8	2522.4
60°	2337.8	2352.3	2348.2	2329.5	2327.4
62.5°	2140.8	2144.9	2140.8	2107.6	2109.6
65°	1927.1	1931.2	1904.3	1877.3	1883.5
67.5°	1703.1	1715.5	1678.2	1638.8	1665.7
70°	1485.3	1481.1	1452.1	1408.5	1447.9
72.5°	1261.2	1257.1	1223.9	1192.8	1219.7
75°	1037.2	1020.6	987.4	972.9	991.6
77.5°	804.9	786.2	771.7	761.3	769.6
80°	595.3	570.5	558.0	549.7	568.4
82.5°	396.2	377.5	371.3	377.5	373.4
85°	222.0	217.8	217.8	211.6	203.3
87.5°	91.3	95.4	97.5	95.4	91.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)