

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: P567583

Luminaire Tested: **8SNX-174HL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567583
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-174HL-UNV-L935-CD
Description: 8FT 17400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

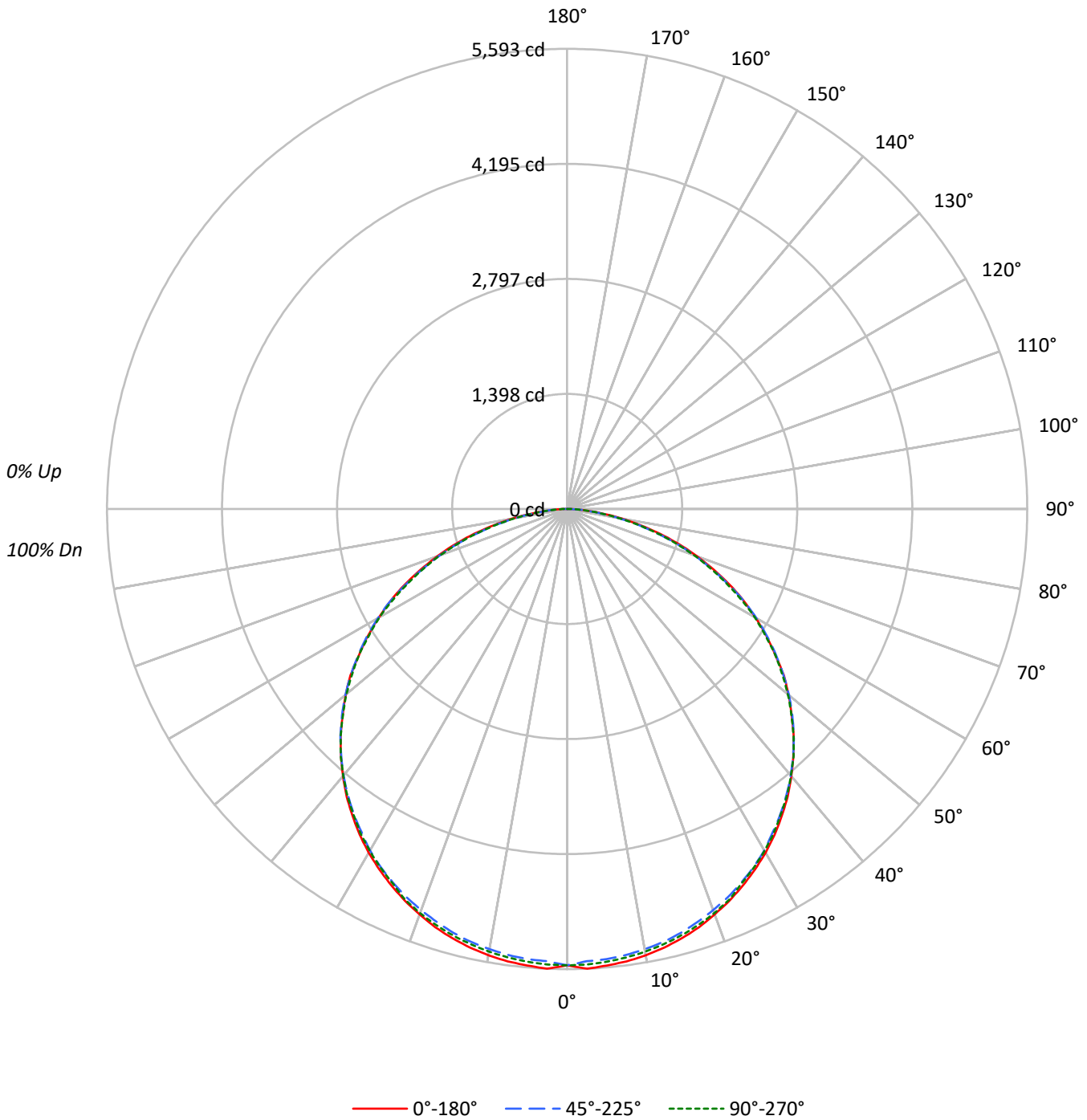
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16601.0 lumens
Efficiency: N/A
Efficacy: 133.4 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): 124.4
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°	29847	29847	29847
5°	30088	29670	29847
10°	30103	29692	29859
15°	30089	29723	29893
20°	30029	29720	29935
25°	29992	29755	29811
30°	29973	29783	29812
35°	29899	29714	29760
40°	29779	29713	29729
45°	29617	29671	29617
50°	29417	29476	29318
55°	28958	29113	28958
60°	28471	28596	28345
65°	27766	27437	27138
70°	26442	25852	25778
75°	24402	23229	23327
80°	20877	19566	19932
85°	15506	15215	14203



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	526.3	3.2
10°-20°	1516.5	9.1
20°-30°	2321.5	14.0
30°-40°	2839.9	17.1
40°-50°	3003.7	18.1
50°-60°	2767.6	16.7
60°-70°	2130.1	12.8
70°-80°	1196.7	7.2
80°-90°	298.5	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°	4364.3	26.3
0°-40°	7204.2	43.4
0°-60°	12975.6	78.2
0°-90°	16601.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16601.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5546	5546	5546	5546	5546	
5°	5569	5553	5492	5541	5525	530
15°	5400	5386	5335	5382	5365	1524
25°	5051	5046	5011	5046	5020	2329
35°	4551	4544	4523	4544	4530	2848
45°	3891	3903	3898	3889	3891	3001
55°	3086	3114	3103	3093	3086	2764
65°	2180	2185	2154	2124	2131	2151
75°	1174	1155	1117	1101	1122	1236
85°	251	246	246	239	230	310
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5545.8	5545.8	5545.8	5545.8	5545.8
2.5°	5592.8	5562.3	5501.2	5555.2	5541.1
5°	5569.3	5552.9	5491.8	5541.1	5524.7
7.5°	5545.8	5527.1	5468.4	5522.4	5498.9
10°	5508.3	5491.8	5433.2	5484.8	5463.7
12.5°	5459.0	5444.9	5390.9	5440.2	5419.1
15°	5400.3	5386.2	5334.6	5381.5	5365.1
17.5°	5329.9	5313.5	5264.2	5313.5	5301.7
20°	5243.1	5233.7	5189.1	5233.7	5226.6
22.5°	5153.9	5142.2	5106.9	5139.8	5142.2
25°	5050.6	5045.9	5010.7	5045.9	5020.1
27.5°	4942.7	4942.7	4907.5	4930.9	4914.5
30°	4823.0	4820.6	4792.5	4804.2	4797.2
32.5°	4693.9	4691.5	4654.0	4684.5	4672.8
35°	4550.7	4543.7	4522.6	4543.7	4529.6
37.5°	4402.9	4395.8	4379.4	4391.1	4388.8
40°	4238.6	4238.6	4229.2	4238.6	4231.5
42.5°	4069.6	4076.6	4064.9	4074.3	4074.3
45°	3891.2	3903.0	3898.3	3888.9	3891.2
47.5°	3701.1	3722.3	3710.5	3708.2	3696.4
50°	3513.4	3532.2	3520.4	3508.7	3501.6
52.5°	3318.6	3328.0	3313.9	3309.2	3292.8
55°	3086.2	3114.4	3102.7	3093.3	3086.2
57.5°	2872.7	2893.8	2884.4	2865.6	2853.9
60°	2645.0	2661.4	2656.7	2635.6	2633.3
62.5°	2422.0	2426.7	2422.0	2384.5	2386.8
65°	2180.3	2185.0	2154.5	2124.0	2131.0
67.5°	1926.8	1940.9	1898.7	1854.1	1884.6
70°	1680.4	1675.7	1642.9	1593.6	1638.2
72.5°	1426.9	1422.2	1384.7	1349.5	1380.0
75°	1173.5	1154.7	1117.1	1100.7	1121.8
77.5°	910.6	889.5	873.1	861.3	870.7
80°	673.6	645.4	631.3	621.9	643.1
82.5°	448.3	427.1	420.1	427.1	422.4
85°	251.1	246.4	246.4	239.4	230.0
87.5°	103.3	108.0	110.3	108.0	103.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)