

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: P567436

Luminaire Tested: **8SNX-148HL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567436
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-L840-CD
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

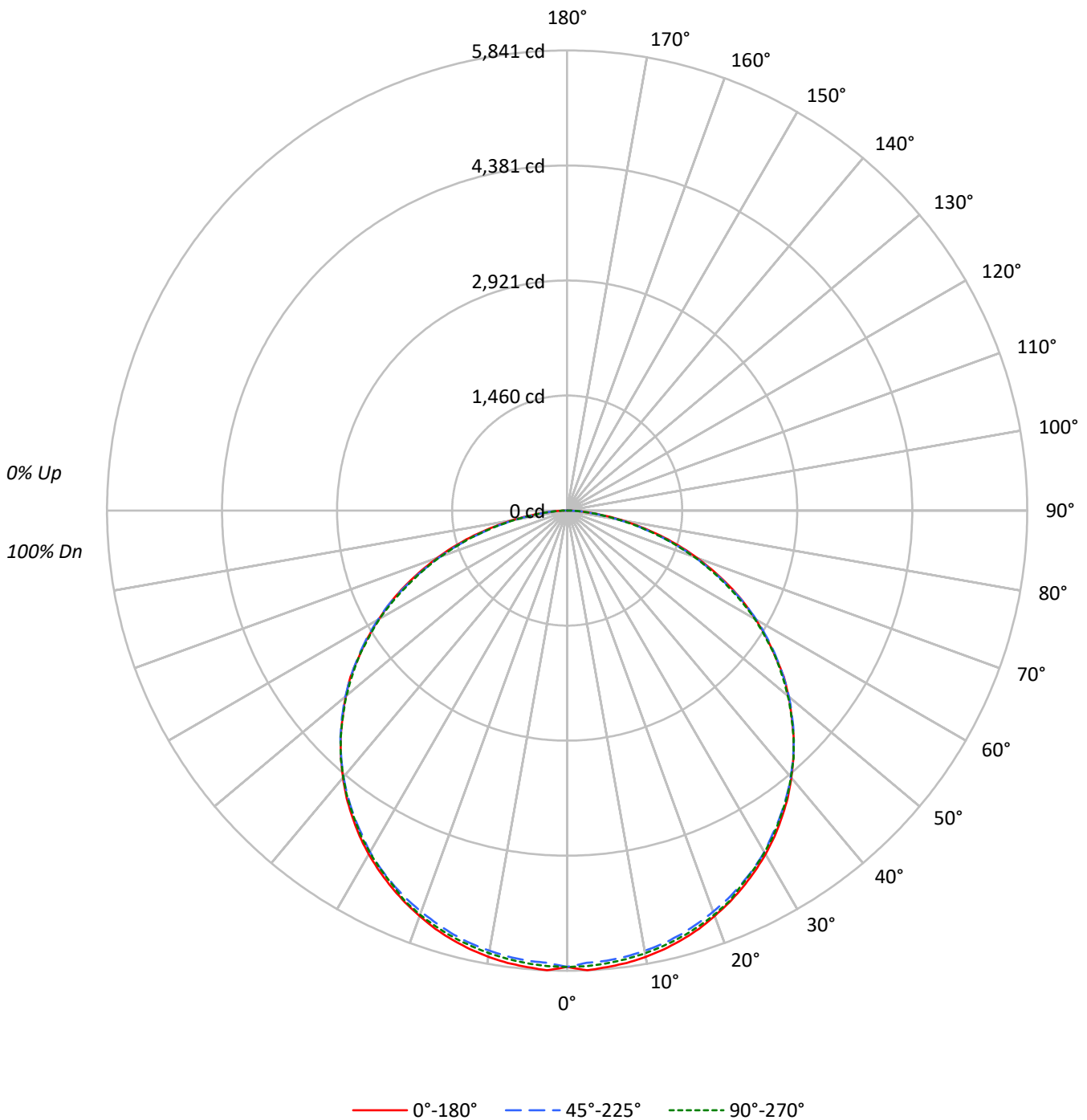
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17337.0 lumens
Efficiency: N/A
Efficacy: 167.3 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°	31171	31171	31171
5°	31422	30985	31170
10°	31437	31009	31183
15°	31423	31041	31219
20°	31360	31037	31262
25°	31322	31075	31133
30°	31301	31103	31134
35°	31225	31032	31079
40°	31099	31030	31047
45°	30930	30986	30930
50°	30721	30783	30619
55°	30243	30403	30243
60°	29733	29864	29601
65°	28997	28653	28341
70°	27615	26998	26921
75°	25483	24261	24363
80°	21801	20434	20815
85°	16197	15895	14833



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.6	3.2
10°-20°	1583.7	9.1
20°-30°	2424.5	14.0
30°-40°	2965.8	17.1
40°-50°	3136.9	18.1
50°-60°	2890.3	16.7
60°-70°	2224.6	12.8
70°-80°	1249.8	7.2
80°-90°	311.8	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°	4557.8	26.3
0°-40°	7523.6	43.4
0°-60°	13550.8	78.2
0°-90°	17337.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17337.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5792	5792	5792	5792	5792	
5°	5816	5799	5735	5787	5770	553
15°	5640	5625	5571	5620	5603	1592
25°	5274	5270	5233	5270	5243	2433
35°	4752	4745	4723	4745	4730	2974
45°	4064	4076	4071	4061	4064	3134
55°	3223	3252	3240	3230	3223	2886
65°	2277	2282	2250	2218	2226	2246
75°	1226	1206	1167	1150	1172	1291
85°	262	257	257	250	240	324
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5791.7	5791.7	5791.7	5791.7	5791.7
2.5°	5840.7	5808.9	5745.1	5801.5	5786.8
5°	5816.2	5799.1	5735.3	5786.8	5769.6
7.5°	5791.7	5772.1	5710.8	5767.2	5742.7
10°	5752.5	5735.3	5674.1	5728.0	5705.9
12.5°	5701.0	5686.3	5629.9	5681.4	5659.3
15°	5639.7	5625.0	5571.1	5620.1	5603.0
17.5°	5566.2	5549.1	5497.6	5549.1	5536.8
20°	5475.5	5465.7	5419.1	5465.7	5458.4
22.5°	5382.4	5370.1	5333.4	5367.7	5370.1
25°	5274.5	5269.6	5232.9	5269.6	5242.7
27.5°	5161.8	5161.8	5125.0	5149.5	5132.4
30°	5036.8	5034.3	5004.9	5017.2	5009.8
32.5°	4902.0	4899.5	4860.3	4892.2	4879.9
35°	4752.5	4745.1	4723.1	4745.1	4730.4
37.5°	4598.1	4590.7	4573.6	4585.8	4583.4
40°	4426.5	4426.5	4416.7	4426.5	4419.1
42.5°	4250.0	4257.4	4245.1	4254.9	4254.9
45°	4063.7	4076.0	4071.1	4061.3	4063.7
47.5°	3865.2	3887.3	3875.0	3872.6	3860.3
50°	3669.1	3688.7	3676.5	3664.2	3656.9
52.5°	3465.7	3475.5	3460.8	3455.9	3438.7
55°	3223.1	3252.5	3240.2	3230.4	3223.1
57.5°	3000.0	3022.1	3012.3	2992.7	2980.4
60°	2762.3	2779.4	2774.5	2752.5	2750.0
62.5°	2529.4	2534.3	2529.4	2490.2	2492.7
65°	2277.0	2281.9	2250.0	2218.2	2225.5
67.5°	2012.3	2027.0	1982.9	1936.3	1968.1
70°	1754.9	1750.0	1715.7	1664.2	1710.8
72.5°	1490.2	1485.3	1446.1	1409.3	1441.2
75°	1225.5	1205.9	1166.7	1149.5	1171.6
77.5°	951.0	928.9	911.8	899.5	909.3
80°	703.4	674.0	659.3	649.5	671.6
82.5°	468.1	446.1	438.7	446.1	441.2
85°	262.3	257.4	257.4	250.0	240.2
87.5°	107.8	112.7	115.2	112.7	107.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)