

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: P567441

Luminaire Tested: **8SNX-148HL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567441
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-L950-CD
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

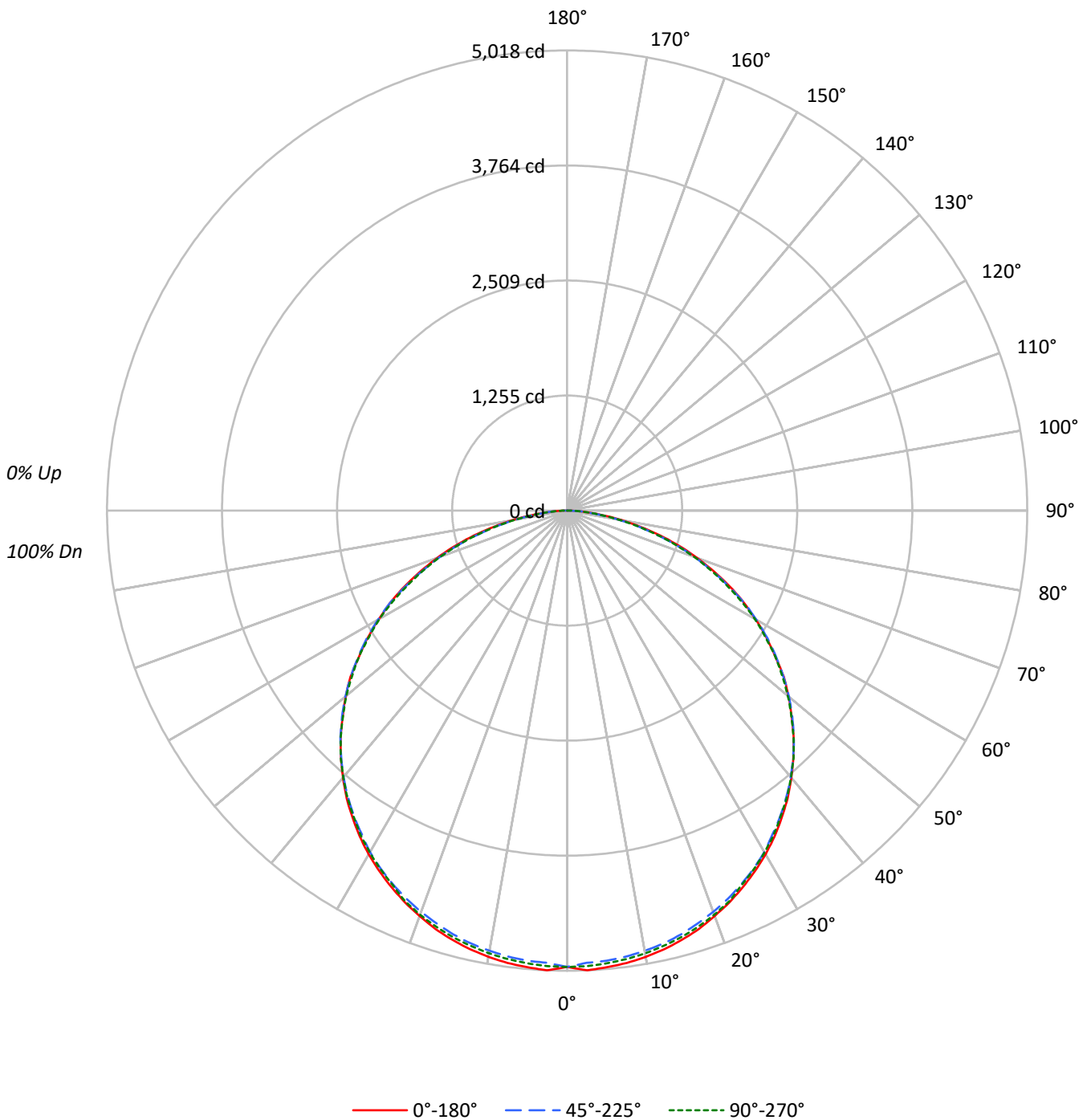
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14895.0 lumens
Efficiency: N/A
Efficacy: 143.8 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 (A_{in}): 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°	26780	26780	26780
5°	26996	26621	26780
10°	27009	26641	26790
15°	26998	26669	26822
20°	26943	26665	26858
25°	26910	26698	26747
30°	26892	26723	26749
35°	26827	26660	26702
40°	26719	26660	26674
45°	26574	26622	26574
50°	26394	26446	26306
55°	25983	26121	25983
60°	25545	25658	25432
65°	24913	24618	24349
70°	23725	23195	23128
75°	21894	20842	20932
80°	18732	17555	17883
85°	13913	13653	12745



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.2	3.2
10°-20°	1360.6	9.1
20°-30°	2083.0	14.0
30°-40°	2548.1	17.1
40°-50°	2695.0	18.1
50°-60°	2483.2	16.7
60°-70°	1911.2	12.8
70°-80°	1073.7	7.2
80°-90°	267.9	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°	3915.8	26.3
0°-40°	6463.9	43.4
0°-60°	11642.1	78.2
0°-90°	14895.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14895.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4976	4976	4976	4976	4976	
5°	4997	4982	4928	4972	4957	475
15°	4845	4833	4786	4828	4814	1368
25°	4532	4527	4496	4527	4504	2090
35°	4083	4077	4058	4077	4064	2555
45°	3491	3502	3498	3489	3491	2692
55°	2769	2794	2784	2775	2769	2480
65°	1956	1960	1933	1906	1912	1930
75°	1053	1036	1002	988	1007	1109
85°	225	221	221	215	206	278
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4975.9	4975.9	4975.9	4975.9	4975.9
2.5°	5018.0	4990.7	4935.9	4984.3	4971.7
5°	4997.0	4982.2	4927.5	4971.7	4957.0
7.5°	4975.9	4959.1	4906.4	4954.9	4933.8
10°	4942.2	4927.5	4874.8	4921.2	4902.2
12.5°	4898.0	4885.4	4836.9	4881.2	4862.2
15°	4845.4	4832.7	4786.4	4828.5	4813.8
17.5°	4782.2	4767.4	4723.2	4767.4	4756.9
20°	4704.3	4695.8	4655.8	4695.8	4689.5
22.5°	4624.2	4613.7	4582.1	4611.6	4613.7
25°	4531.6	4527.4	4495.8	4527.4	4504.2
27.5°	4434.7	4434.7	4403.1	4424.2	4409.5
30°	4327.3	4325.2	4300.0	4310.5	4304.2
32.5°	4211.5	4209.4	4175.7	4203.1	4192.6
35°	4083.1	4076.8	4057.8	4076.8	4064.1
37.5°	3950.4	3944.1	3929.3	3939.9	3937.8
40°	3803.0	3803.0	3794.6	3803.0	3796.7
42.5°	3651.4	3657.7	3647.2	3655.6	3655.6
45°	3491.4	3501.9	3497.7	3489.2	3491.4
47.5°	3320.8	3339.7	3329.2	3327.1	3316.6
50°	3152.3	3169.2	3158.6	3148.1	3141.8
52.5°	2977.5	2986.0	2973.3	2969.1	2954.4
55°	2769.1	2794.3	2783.8	2775.4	2769.1
57.5°	2577.5	2596.4	2588.0	2571.1	2560.6
60°	2373.2	2387.9	2383.7	2364.8	2362.7
62.5°	2173.1	2177.4	2173.1	2139.5	2141.6
65°	1956.3	1960.5	1933.1	1905.7	1912.0
67.5°	1728.8	1741.5	1703.6	1663.6	1690.9
70°	1507.7	1503.5	1474.0	1429.8	1469.8
72.5°	1280.3	1276.1	1242.4	1210.8	1238.2
75°	1052.9	1036.0	1002.3	987.6	1006.6
77.5°	817.0	798.1	783.3	772.8	781.2
80°	604.4	579.1	566.4	558.0	577.0
82.5°	402.2	383.2	376.9	383.2	379.0
85°	225.3	221.1	221.1	214.8	206.4
87.5°	92.7	96.9	99.0	96.9	92.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)