

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: P567243

Luminaire Tested: **8SNX-114SL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567243
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-114SL-UNV-L835-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

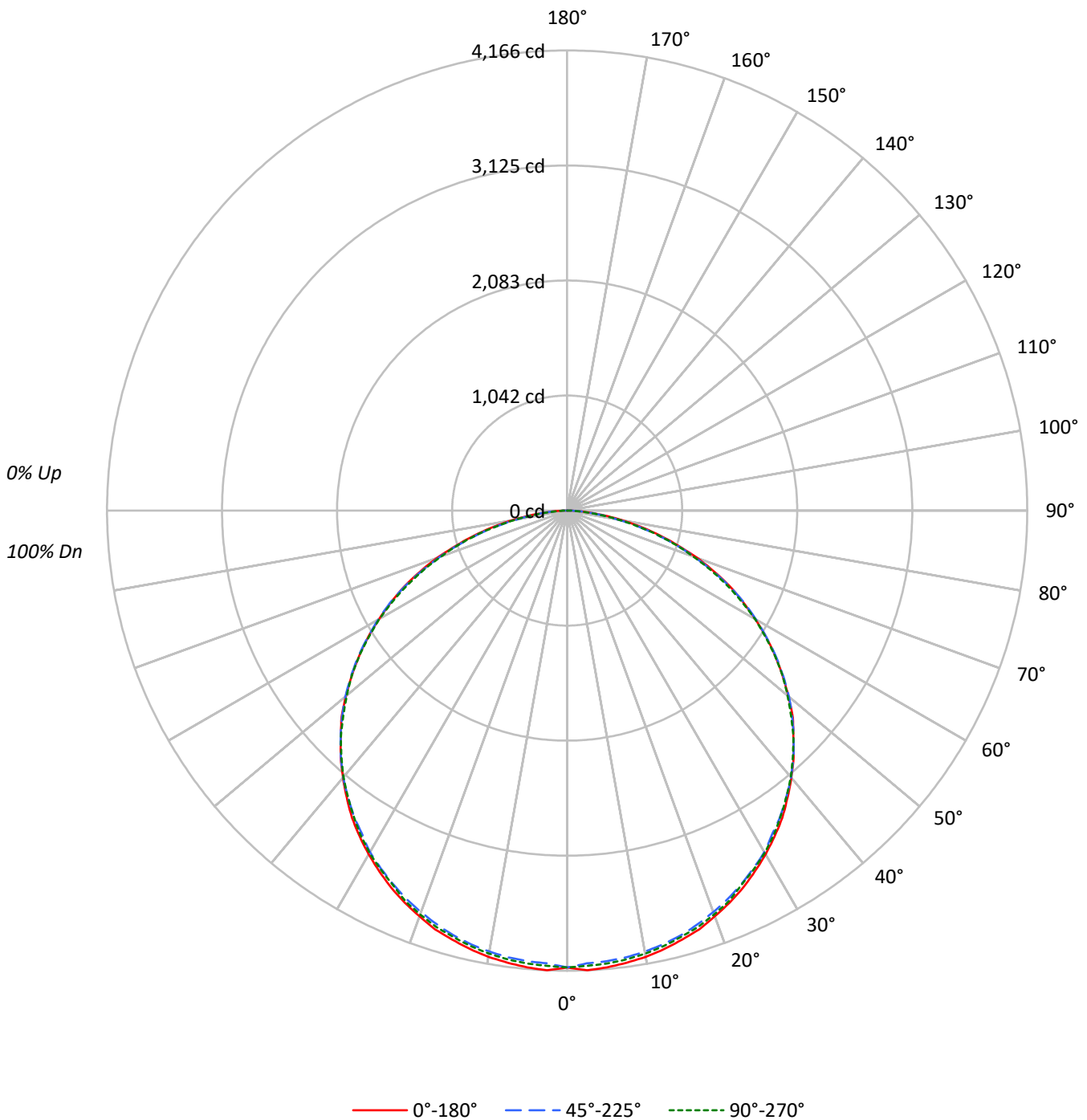
Lumens per Lamp: N/A
Luminaire Lumens: 12367.0 lumens
Efficiency: N/A
Efficacy: 155.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 79.4
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°	22260	22260	22260
5°	22426	22124	22245
10°	22421	22157	22258
15°	22403	22175	22258
20°	22389	22155	22283
25°	22375	22154	22198
30°	22329	22191	22237
35°	22312	22141	22165
40°	22186	22160	22134
45°	22054	22082	22054
50°	21893	21956	21800
55°	21604	21673	21569
60°	21179	21260	21139
65°	20748	20605	20321
70°	19725	19314	19081
75°	18022	17403	17480
80°	15562	14409	14756
85°	11714	11257	10109



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.4	3.2
10°-20°	1130.6	9.1
20°-30°	1729.9	14.0
30°-40°	2115.2	17.1
40°-50°	2237.5	18.1
50°-60°	2061.5	16.7
60°-70°	1588.6	12.8
70°-80°	890.1	7.2
80°-90°	221.2	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°	3252.9	26.3
0°-40°	5368.1	43.4
0°-60°	9667.1	78.2
0°-90°	12367.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12367.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4136	4136	4136	4136	4136	
5°	4151	4136	4095	4136	4118	395
15°	4021	4013	3980	4013	3995	1136
25°	3768	3760	3731	3760	3738	1736
35°	3396	3388	3370	3381	3374	2122
45°	2898	2909	2901	2898	2898	2238
55°	2302	2321	2310	2310	2299	2056
65°	1629	1629	1618	1577	1596	1602
75°	867	856	837	807	841	919
85°	190	178	182	182	164	234
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4136.1	4136.1	4136.1	4136.1	4136.1
2.5°	4165.9	4147.3	4102.7	4143.6	4125.0
5°	4151.0	4136.1	4095.2	4136.1	4117.5
7.5°	4128.7	4117.5	4080.3	4117.5	4098.9
10°	4102.7	4091.5	4054.3	4091.5	4072.9
12.5°	4065.5	4058.0	4020.8	4058.0	4039.4
15°	4020.8	4013.4	3979.9	4013.4	3994.8
17.5°	3976.2	3961.3	3927.8	3965.0	3950.2
20°	3909.2	3901.8	3868.3	3901.8	3890.6
22.5°	3842.3	3834.9	3805.1	3834.9	3827.4
25°	3767.9	3760.5	3730.7	3760.5	3738.1
27.5°	3682.3	3686.1	3652.6	3671.2	3660.0
30°	3593.1	3593.1	3570.8	3578.2	3578.2
32.5°	3496.4	3496.4	3462.9	3485.2	3481.5
35°	3395.9	3388.5	3369.9	3381.1	3373.6
37.5°	3276.9	3273.2	3262.0	3269.5	3262.0
40°	3157.9	3161.6	3154.2	3150.5	3150.5
42.5°	3035.1	3042.6	3031.4	3027.7	3024.0
45°	2897.5	2908.7	2901.2	2897.5	2897.5
47.5°	2771.1	2774.8	2763.6	2759.9	2748.7
50°	2614.8	2629.7	2622.3	2614.8	2603.7
52.5°	2458.6	2480.9	2466.1	2458.6	2458.6
55°	2302.4	2321.0	2309.8	2309.8	2298.7
57.5°	2138.7	2157.3	2142.5	2142.5	2127.6
60°	1967.6	1986.2	1975.1	1963.9	1963.9
62.5°	1796.5	1811.4	1807.7	1789.1	1777.9
65°	1629.2	1629.2	1618.0	1577.1	1595.7
67.5°	1439.5	1435.7	1420.9	1380.0	1406.0
70°	1253.5	1253.5	1227.4	1179.1	1212.6
72.5°	1052.6	1063.8	1030.3	996.8	1030.3
75°	866.7	855.5	836.9	807.1	840.6
77.5°	688.1	669.5	647.2	632.3	650.9
80°	502.1	491.0	464.9	464.9	476.1
82.5°	342.2	331.0	312.4	316.2	301.3
85°	189.7	178.5	182.3	182.3	163.7
87.5°	78.1	78.1	78.1	70.7	63.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)