

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: P567435

Luminaire Tested: **8SNX-148HL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567435
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-L835-CD
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

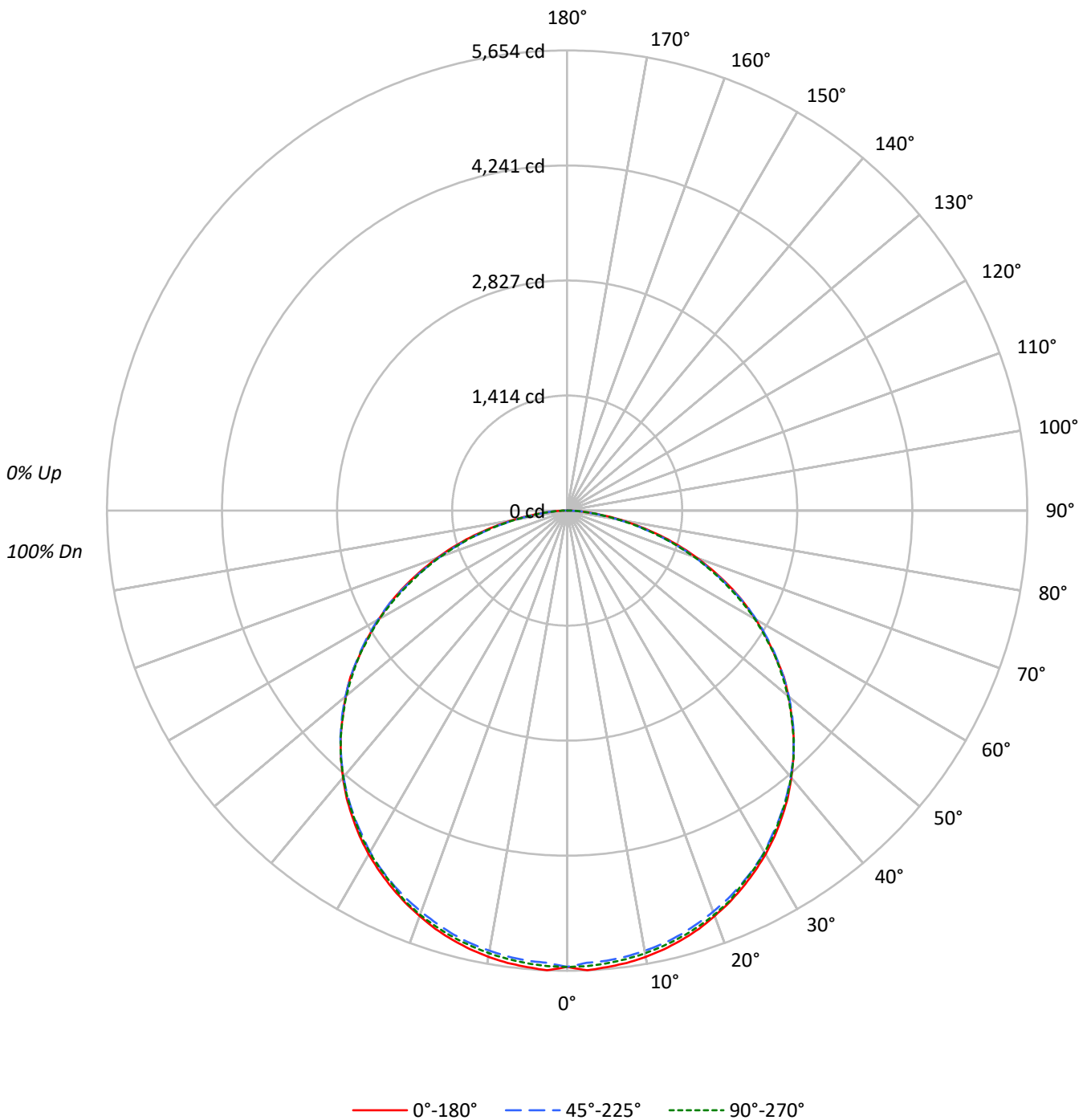
Lumens per Lamp: N/A
Luminaire Lumens: 16782.0 lumens
Efficiency: N/A
Efficacy: 162.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P567435

CATALOG NUMBER: 8SNX-148HL-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567435

CATALOG NUMBER: 8SNX-148HL-UNV-L835-CD

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°	30173	30173	30173
5°	30416	29993	30173
10°	30431	30016	30185
15°	30418	30048	30219
20°	30356	30044	30261
25°	30319	30080	30136
30°	30300	30108	30137
35°	30225	30038	30085
40°	30103	30037	30054
45°	29940	29994	29940
50°	29738	29797	29638
55°	29275	29430	29275
60°	28781	28909	28654
65°	28069	27736	27435
70°	26730	26134	26058
75°	24668	23483	23583
80°	21103	19780	20149
85°	15679	15382	14357



TEST NUMBER: P567435

CATALOG NUMBER: 8SNX-148HL-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	532.0	3.2
10°-20°	1533.0	9.1
20°-30°	2346.9	14.0
30°-40°	2870.9	17.1
40°-50°	3036.5	18.1
50°-60°	2797.8	16.7
60°-70°	2153.4	12.8
70°-80°	1209.8	7.2
80°-90°	301.8	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°	4411.9	26.3
0°-40°	7282.8	43.4
0°-60°	13117.1	78.2
0°-90°	16782.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16782.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5606	5606	5606	5606	5606	
5°	5630	5613	5552	5602	5585	535
15°	5459	5445	5393	5440	5424	1541
25°	5106	5101	5065	5101	5075	2355
35°	4600	4593	4572	4593	4579	2879
45°	3934	3946	3941	3931	3934	3033
55°	3120	3148	3136	3127	3120	2794
65°	2204	2209	2178	2147	2154	2174
75°	1186	1167	1129	1113	1134	1249
85°	254	249	249	242	232	313
90°	0	0	0	0	0	



TEST NUMBER: P567435

CATALOG NUMBER: 8SNX-148HL-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5606.3	5606.3	5606.3	5606.3	5606.3
2.5°	5653.7	5622.9	5561.2	5615.8	5601.5
5°	5630.0	5613.4	5551.7	5601.5	5584.9
7.5°	5606.3	5587.3	5528.0	5582.6	5558.8
10°	5568.3	5551.7	5492.4	5544.6	5523.3
12.5°	5518.5	5504.3	5449.7	5499.5	5478.2
15°	5459.2	5445.0	5392.8	5440.2	5423.6
17.5°	5388.0	5371.4	5321.6	5371.4	5359.6
20°	5300.2	5290.7	5245.7	5290.7	5283.6
22.5°	5210.1	5198.2	5162.6	5195.8	5198.2
25°	5105.7	5100.9	5065.4	5100.9	5074.8
27.5°	4996.6	4996.6	4961.0	4984.7	4968.1
30°	4875.6	4873.2	4844.7	4856.6	4849.5
32.5°	4745.1	4742.7	4704.7	4735.6	4723.7
35°	4600.3	4593.2	4571.9	4593.2	4579.0
37.5°	4450.9	4443.8	4427.1	4439.0	4436.6
40°	4284.8	4284.8	4275.3	4284.8	4277.7
42.5°	4114.0	4121.1	4109.2	4118.7	4118.7
45°	3933.7	3945.5	3940.8	3931.3	3933.7
47.5°	3741.5	3762.8	3751.0	3748.6	3736.7
50°	3551.7	3570.7	3558.8	3546.9	3539.8
52.5°	3354.8	3364.3	3350.0	3345.3	3328.7
55°	3119.9	3148.4	3136.5	3127.0	3119.9
57.5°	2904.0	2925.3	2915.8	2896.9	2885.0
60°	2673.8	2690.5	2685.7	2664.4	2662.0
62.5°	2448.5	2453.2	2448.5	2410.5	2412.9
65°	2204.1	2208.8	2178.0	2147.1	2154.3
67.5°	1947.8	1962.1	1919.4	1874.3	1905.1
70°	1698.7	1694.0	1660.8	1610.9	1656.0
72.5°	1442.5	1437.8	1399.8	1364.2	1395.0
75°	1186.3	1167.3	1129.3	1112.7	1134.1
77.5°	920.5	899.2	882.6	870.7	880.2
80°	680.9	652.4	638.2	628.7	650.1
82.5°	453.2	431.8	424.7	431.8	427.1
85°	253.9	249.1	249.1	242.0	232.5
87.5°	104.4	109.1	111.5	109.1	104.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)