

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: P567531

Luminaire Tested: **8SNX-168HL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567531
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-168HL-UNV-L835-CD
Description: 8FT 16800 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

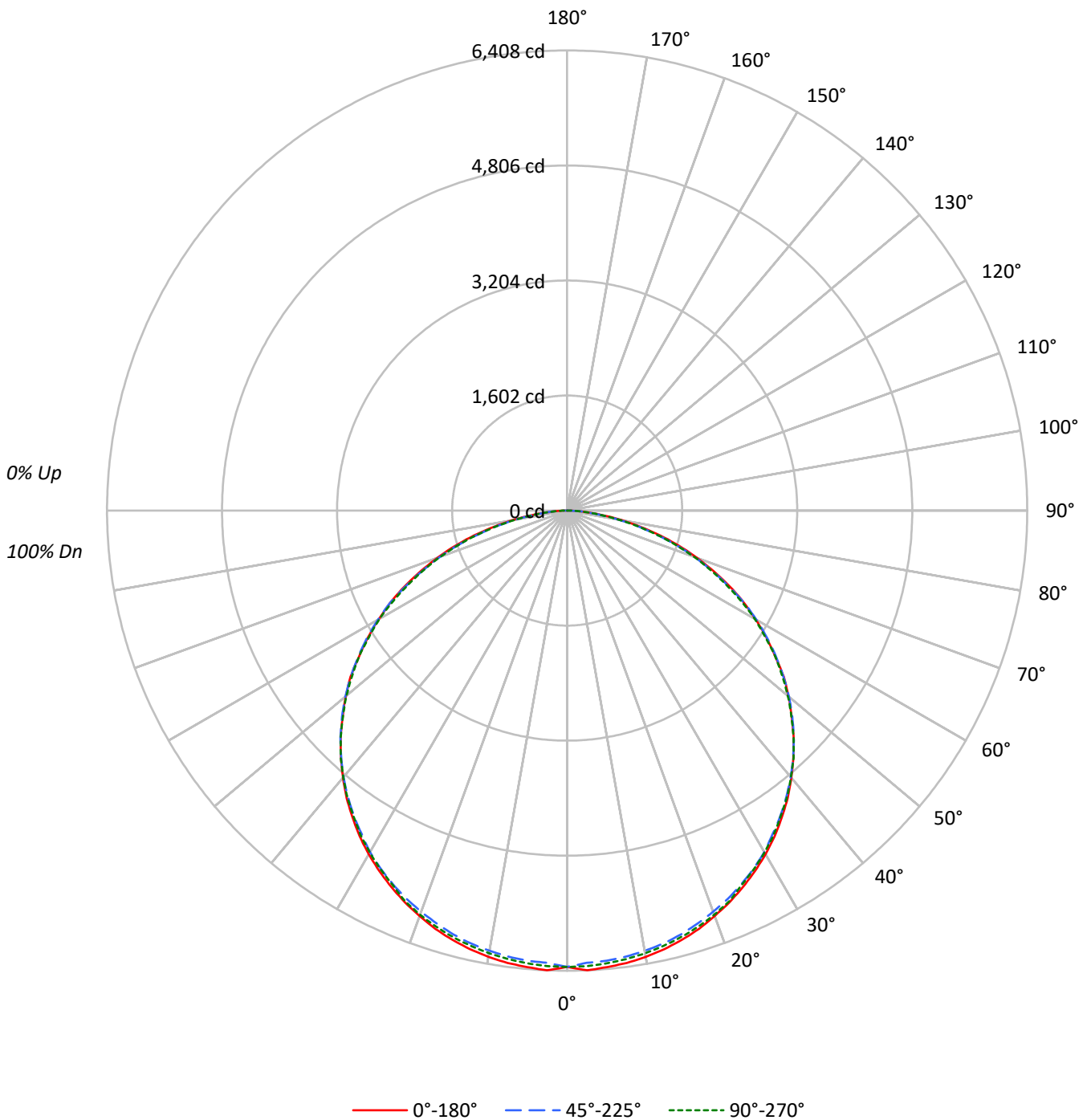
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19020.0 lumens
Efficiency: N/A
Efficacy: 164.2 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): 115.8
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°	34196	34196	34196
5°	34472	33993	34196
10°	34489	34019	34210
15°	34474	34054	34249
20°	34405	34050	34297
25°	34363	34091	34155
30°	34340	34123	34156
35°	34255	34044	34096
40°	34118	34042	34061
45°	33932	33994	33932
50°	33703	33771	33591
55°	33178	33355	33178
60°	32619	32764	32475
65°	31812	31435	31092
70°	30296	29618	29535
75°	27958	26615	26727
80°	23918	22418	22836
85°	17766	17432	16271



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	603.0	3.2
10°-20°	1737.4	9.1
20°-30°	2659.8	14.0
30°-40°	3253.7	17.1
40°-50°	3441.4	18.1
50°-60°	3170.9	16.7
60°-70°	2440.5	12.8
70°-80°	1371.1	7.2
80°-90°	342.0	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°	5000.3	26.3
0°-40°	8254.0	43.4
0°-60°	14866.3	78.2
0°-90°	19020.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19020.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6354	6354	6354	6354	6354	
5°	6381	6362	6292	6349	6330	607
15°	6187	6171	6112	6166	6147	1747
25°	5787	5781	5741	5781	5752	2669
35°	5214	5206	5182	5206	5190	3263
45°	4458	4472	4466	4456	4458	3438
55°	3536	3568	3555	3544	3536	3167
65°	2498	2503	2468	2434	2442	2464
75°	1344	1323	1280	1261	1285	1416
85°	288	282	282	274	264	355
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6353.9	6353.9	6353.9	6353.9	6353.9
2.5°	6407.7	6372.8	6302.8	6364.7	6348.6
5°	6380.8	6362.0	6292.1	6348.6	6329.7
7.5°	6353.9	6332.4	6265.2	6327.0	6300.2
10°	6310.9	6292.1	6224.9	6284.0	6259.8
12.5°	6254.4	6238.3	6176.5	6232.9	6208.7
15°	6187.2	6171.1	6111.9	6165.7	6146.9
17.5°	6106.6	6087.7	6031.3	6087.7	6074.3
20°	6007.1	5996.3	5945.2	5996.3	5988.2
22.5°	5904.9	5891.4	5851.1	5888.7	5891.4
25°	5786.6	5781.2	5740.9	5781.2	5751.6
27.5°	5662.9	5662.9	5622.5	5649.4	5630.6
30°	5525.7	5523.1	5490.8	5504.2	5496.2
32.5°	5377.9	5375.2	5332.1	5367.1	5353.7
35°	5213.8	5205.8	5181.6	5205.8	5189.6
37.5°	5044.4	5036.4	5017.5	5031.0	5028.3
40°	4856.2	4856.2	4845.4	4856.2	4848.1
42.5°	4662.6	4670.7	4657.2	4668.0	4668.0
45°	4458.2	4471.7	4466.3	4455.6	4458.2
47.5°	4240.4	4264.6	4251.2	4248.5	4235.1
50°	4025.3	4046.8	4033.4	4019.9	4011.9
52.5°	3802.1	3812.9	3796.8	3791.4	3772.6
55°	3535.9	3568.2	3554.8	3544.0	3535.9
57.5°	3291.2	3315.4	3304.7	3283.2	3269.7
60°	3030.4	3049.2	3043.9	3019.7	3017.0
62.5°	2775.0	2780.4	2775.0	2731.9	2734.6
65°	2498.0	2503.4	2468.4	2433.5	2441.5
67.5°	2207.6	2223.7	2175.3	2124.3	2159.2
70°	1925.3	1919.9	1882.2	1825.8	1876.9
72.5°	1634.9	1629.5	1586.5	1546.1	1581.1
75°	1344.5	1323.0	1279.9	1261.1	1285.3
77.5°	1043.3	1019.1	1000.3	986.8	997.6
80°	771.7	739.5	723.3	712.6	736.8
82.5°	513.6	489.4	481.3	489.4	484.0
85°	287.7	282.3	282.3	274.3	263.5
87.5°	118.3	123.7	126.4	123.7	118.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)