

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: P567537

Luminaire Tested: **8SNX-168HL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567537
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-L950-CD
Description: 8FT 16800 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

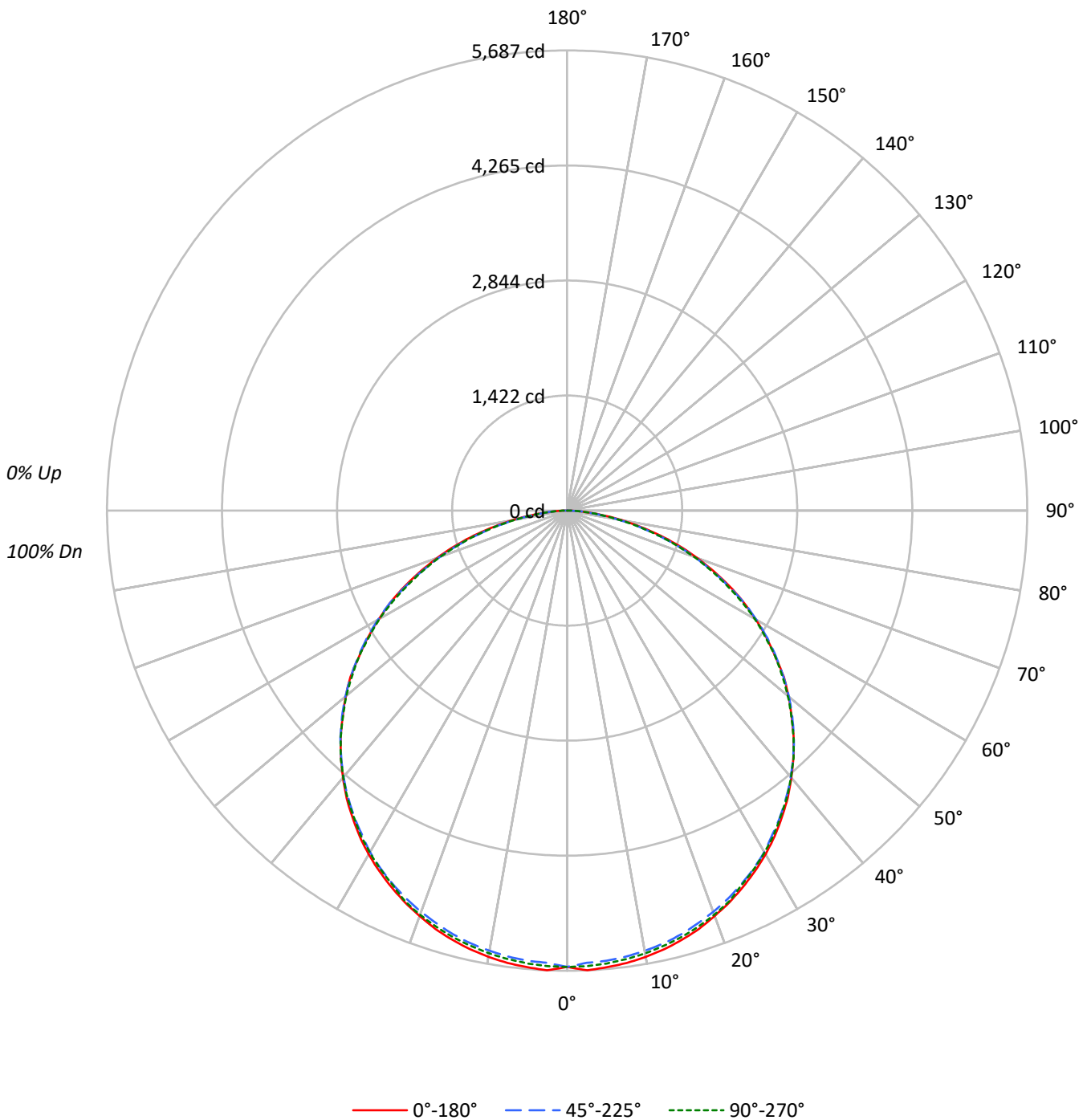
Lumens per Lamp: N/A
Luminaire Lumens: 16881.0 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	30351	30351	30351
5°	30596	30170	30351
10°	30610	30193	30362
15°	30597	30225	30398
20°	30535	30221	30440
25°	30498	30257	30314
30°	30478	30285	30315
35°	30403	30215	30262
40°	30281	30214	30231
45°	30117	30171	30117
50°	29913	29973	29813
55°	29447	29604	29447
60°	28951	29080	28823
65°	28234	27899	27596
70°	26889	26288	26213
75°	24814	23622	23722
80°	21227	19898	20267
85°	15771	15475	14444



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	535.2	3.2
10°-20°	1542.0	9.1
20°-30°	2360.7	14.0
30°-40°	2887.8	17.1
40°-50°	3054.4	18.1
50°-60°	2814.3	16.7
60°-70°	2166.1	12.8
70°-80°	1216.9	7.2
80°-90°	303.6	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°	4437.9	26.3
0°-40°	7325.7	43.4
0°-60°	13194.4	78.2
0°-90°	16881.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16881.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5639	5639	5639	5639	5639	
5°	5663	5646	5584	5635	5618	539
15°	5491	5477	5425	5472	5456	1550
25°	5136	5131	5095	5131	5105	2369
35°	4628	4620	4599	4620	4606	2896
45°	3957	3969	3964	3954	3957	3051
55°	3138	3167	3155	3145	3138	2811
65°	2217	2222	2191	2160	2167	2187
75°	1193	1174	1136	1119	1141	1257
85°	255	251	251	243	234	315
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5639.4	5639.4	5639.4	5639.4	5639.4
2.5°	5687.1	5656.1	5594.0	5648.9	5634.6
5°	5663.2	5646.5	5584.5	5634.6	5617.9
7.5°	5639.4	5620.3	5560.6	5615.5	5591.6
10°	5601.2	5584.5	5524.8	5577.3	5555.8
12.5°	5551.1	5536.7	5481.9	5532.0	5510.5
15°	5491.4	5477.1	5424.6	5472.3	5455.6
17.5°	5419.8	5403.1	5353.0	5403.1	5391.2
20°	5331.5	5322.0	5276.6	5322.0	5314.8
22.5°	5240.8	5228.9	5193.1	5226.5	5228.9
25°	5135.8	5131.0	5095.2	5131.0	5104.8
27.5°	5026.0	5026.0	4990.2	5014.1	4997.4
30°	4904.3	4901.9	4873.3	4885.2	4878.1
32.5°	4773.1	4770.7	4732.5	4763.5	4751.6
35°	4627.5	4620.3	4598.8	4620.3	4606.0
37.5°	4477.1	4470.0	4453.3	4465.2	4462.8
40°	4310.1	4310.1	4300.5	4310.1	4302.9
42.5°	4138.2	4145.4	4133.5	4143.0	4143.0
45°	3956.9	3968.8	3964.0	3954.5	3956.9
47.5°	3763.6	3785.0	3773.1	3770.7	3758.8
50°	3572.6	3591.7	3579.8	3567.9	3560.7
52.5°	3374.6	3384.1	3369.8	3365.0	3348.3
55°	3138.3	3166.9	3155.0	3145.4	3138.3
57.5°	2921.1	2942.6	2933.0	2914.0	2902.0
60°	2689.6	2706.3	2701.6	2680.1	2677.7
62.5°	2462.9	2467.7	2462.9	2424.7	2427.1
65°	2217.1	2221.9	2190.8	2159.8	2167.0
67.5°	1959.3	1973.7	1930.7	1885.4	1916.4
70°	1708.8	1704.0	1670.6	1620.5	1665.8
72.5°	1451.0	1446.2	1408.1	1372.3	1403.3
75°	1193.3	1174.2	1136.0	1119.3	1140.8
77.5°	926.0	904.5	887.8	875.9	885.4
80°	684.9	656.3	642.0	632.4	653.9
82.5°	455.8	434.3	427.2	434.3	429.6
85°	255.4	250.6	250.6	243.4	233.9
87.5°	105.0	109.8	112.2	109.8	105.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)