

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: P567530

Luminaire Tested: **8SNX-168HL-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

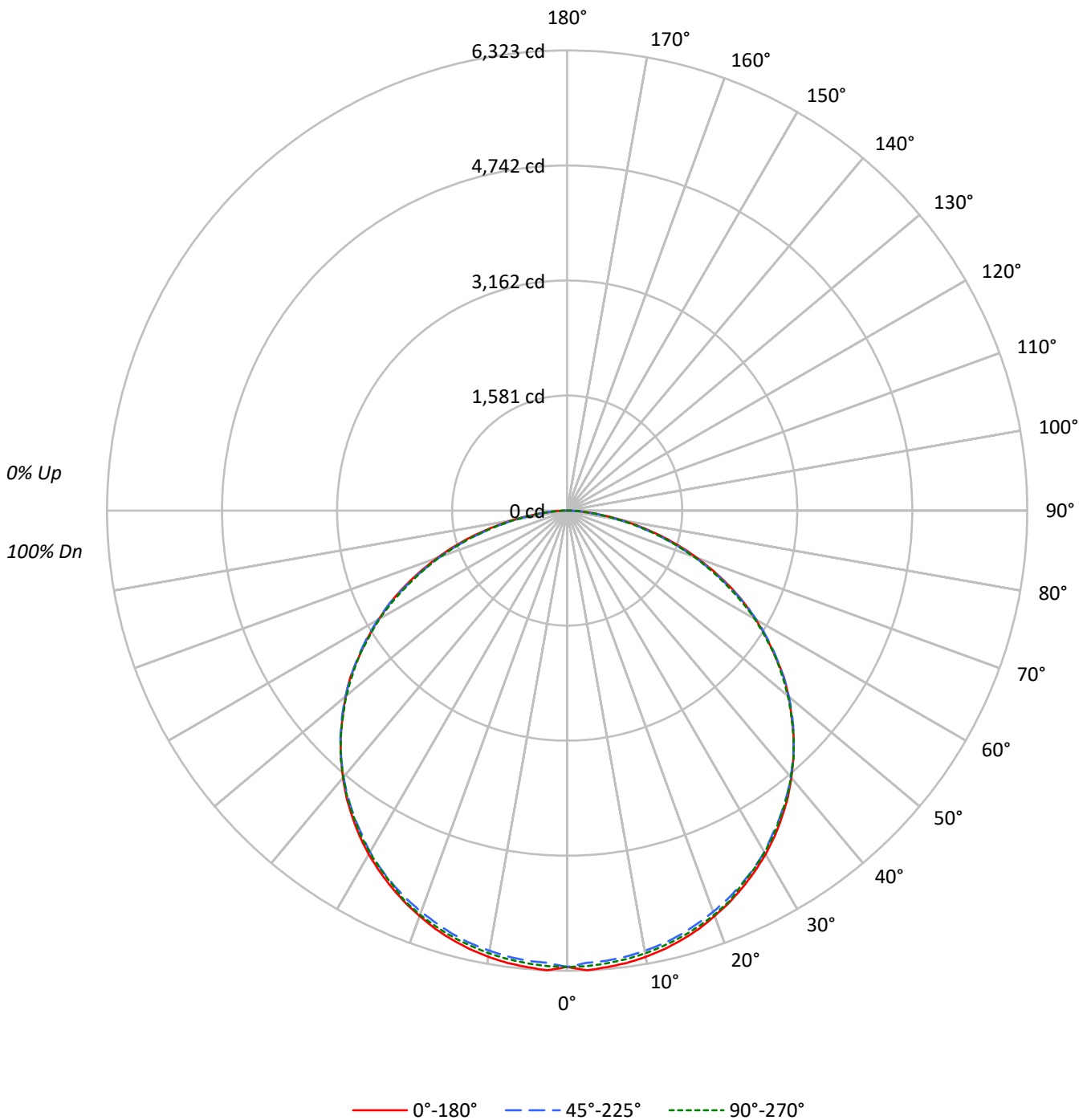
Test Method: LM-79-08  
Report Number: P567530  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-168HL-UNV-L830-CD  
Description: 8FT 16800 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18768.0 lumens  
Efficiency: N/A  
Efficacy: 162.1 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°	33743	33743	33743
5°	34016	33543	33744
10°	34032	33568	33757
15°	34017	33604	33795
20°	33949	33599	33842
25°	33907	33639	33702
30°	33885	33670	33703
35°	33801	33593	33645
40°	33666	33591	33610
45°	33483	33543	33483
50°	33257	33324	33146
55°	32739	32913	32739
60°	32187	32329	32044
65°	31390	31018	30681
70°	29895	29226	29143
75°	27588	26263	26373
80°	23602	22120	22532
85°	17531	17204	16055



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	595.0	3.2
10°-20°	1714.4	9.1
20°-30°	2624.6	14.0
30°-40°	3210.6	17.1
40°-50°	3395.8	18.1
50°-60°	3128.9	16.7
60°-70°	2408.2	12.8
70°-80°	1353.0	7.2
80°-90°	337.5	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°	4934.0	26.3
0°-40°	8144.6	43.4
0°-60°	14669.3	78.2
0°-90°	18768.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18768.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6270	6270	6270	6270	6270	
5°	6296	6278	6209	6264	6246	599
15°	6105	6089	6031	6084	6065	1723
25°	5710	5705	5665	5705	5675	2634
35°	5145	5137	5113	5137	5121	3219
45°	4399	4412	4407	4396	4399	3392
55°	3489	3521	3508	3497	3489	3125
65°	2465	2470	2436	2401	2409	2432
75°	1327	1305	1263	1244	1268	1397
85°	284	279	279	271	260	350
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6269.7	6269.7	6269.7	6269.7	6269.7
2.5°	6322.8	6288.3	6219.3	6280.4	6264.4
5°	6296.3	6277.7	6208.7	6264.4	6245.9
7.5°	6269.7	6248.5	6182.2	6243.2	6216.7
10°	6227.3	6208.7	6142.4	6200.8	6176.9
12.5°	6171.6	6155.7	6094.6	6150.4	6126.5
15°	6105.2	6089.3	6031.0	6084.0	6065.4
17.5°	6025.6	6007.1	5951.4	6007.1	5993.8
20°	5927.5	5916.9	5866.4	5916.9	5908.9
22.5°	5826.6	5813.4	5773.6	5810.7	5813.4
25°	5709.9	5704.6	5664.8	5704.6	5675.4
27.5°	5587.9	5587.9	5548.1	5574.6	5556.0
30°	5452.5	5449.9	5418.0	5431.3	5423.3
32.5°	5306.6	5303.9	5261.5	5296.0	5282.7
35°	5144.7	5136.8	5112.9	5136.8	5120.9
37.5°	4977.6	4969.6	4951.1	4964.3	4961.7
40°	4791.9	4791.9	4781.2	4791.9	4783.9
42.5°	4600.8	4608.8	4595.5	4606.1	4606.1
45°	4399.2	4412.4	4407.1	4396.5	4399.2
47.5°	4184.3	4208.1	4194.9	4192.2	4178.9
50°	3972.0	3993.2	3980.0	3966.7	3958.7
52.5°	3751.8	3762.4	3746.5	3741.2	3722.6
55°	3489.1	3520.9	3507.7	3497.1	3489.1
57.5°	3247.6	3271.5	3260.9	3239.7	3226.4
60°	2990.3	3008.8	3003.5	2979.7	2977.0
62.5°	2738.2	2743.5	2738.2	2695.8	2698.4
65°	2464.9	2470.2	2435.7	2401.2	2409.2
67.5°	2178.4	2194.3	2146.5	2096.1	2130.6
70°	1899.8	1894.5	1857.3	1801.6	1852.0
72.5°	1613.2	1607.9	1565.4	1525.6	1560.1
75°	1326.7	1305.4	1263.0	1244.4	1268.3
77.5°	1029.5	1005.6	987.0	973.8	984.4
80°	761.5	729.7	713.7	703.1	727.0
82.5°	506.8	482.9	474.9	482.9	477.6
85°	283.9	278.6	278.6	270.6	260.0
87.5°	116.7	122.1	124.7	122.1	116.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)