

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: P567534

Luminaire Tested: **8SNX-168HL-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

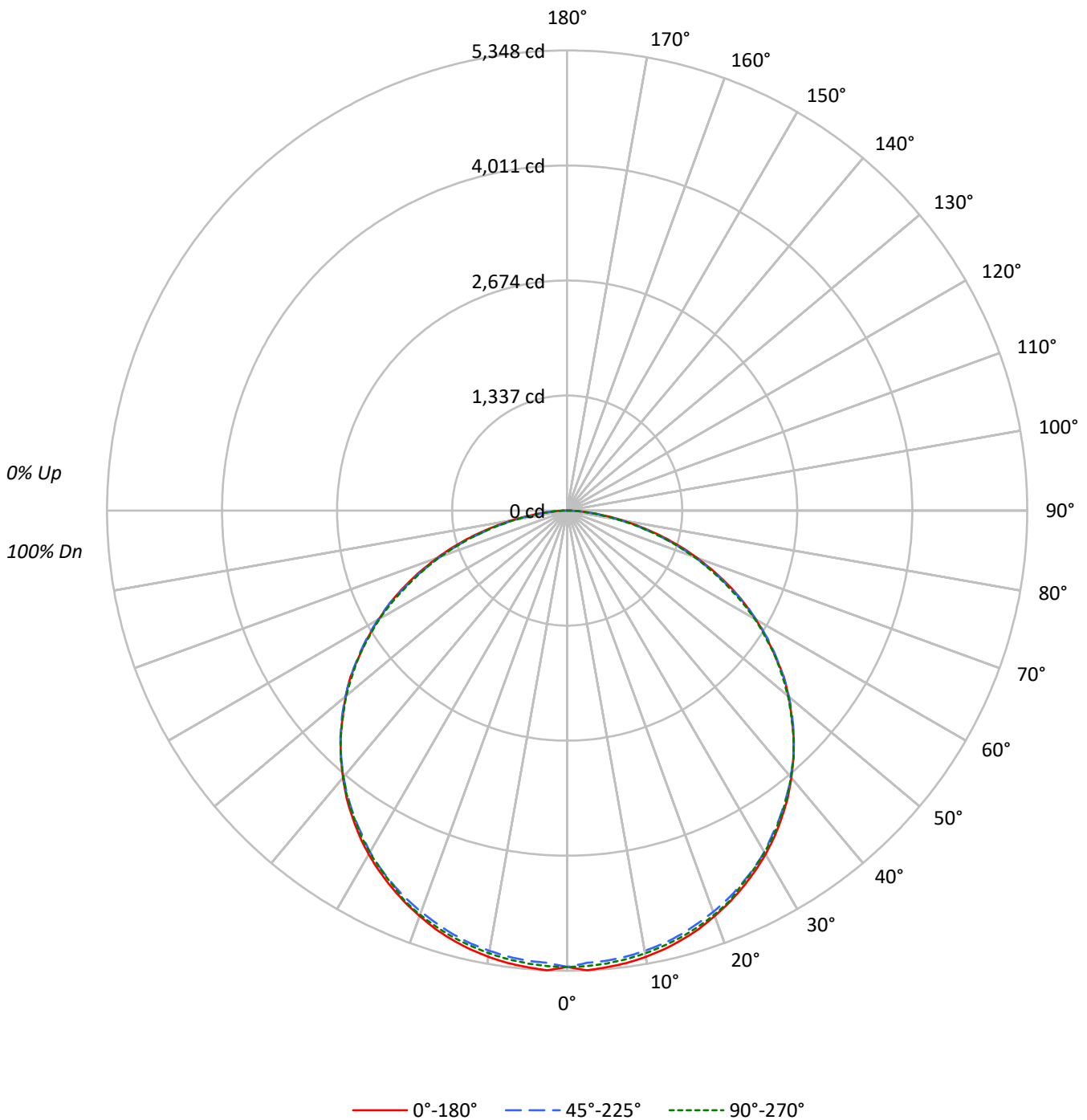
Test Method: LM-79-08  
Report Number: P567534  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-168HL-UNV-L930-CD  
Description: 8FT 16800 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15875.0 lumens  
Efficiency: N/A  
Efficacy: 137.1 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	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					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	28542	28542	28542
5°	28772	28372	28542
10°	28786	28394	28553
15°	28773	28423	28586
20°	28716	28420	28626
25°	28680	28454	28508
30°	28662	28481	28509
35°	28591	28415	28459
40°	28476	28413	28429
45°	28322	28373	28322
50°	28130	28187	28036
55°	27693	27840	27693
60°	27225	27347	27105
65°	26552	26238	25951
70°	25286	24721	24650
75°	23335	22215	22308
80°	19963	18711	19058
85°	14826	14555	13579



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	503.3	3.2
10°-20°	1450.1	9.1
20°-30°	2220.0	14.0
30°-40°	2715.7	17.1
40°-50°	2872.4	18.1
50°-60°	2646.6	16.7
60°-70°	2037.0	12.8
70°-80°	1144.4	7.2
80°-90°	285.5	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°	4173.5	26.3
0°-40°	6889.2	43.4
0°-60°	12408.1	78.2
0°-90°	15875.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15875.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5303	5303	5303	5303	5303	
5°	5326	5310	5252	5299	5283	507
15°	5164	5151	5101	5146	5130	1458
25°	4830	4825	4792	4825	4801	2228
35°	4352	4345	4325	4345	4332	2723
45°	3721	3732	3728	3719	3721	2869
55°	2951	2978	2967	2958	2951	2643
65°	2085	2089	2060	2031	2038	2057
75°	1122	1104	1068	1053	1073	1182
85°	240	236	236	229	220	296
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5303.3	5303.3	5303.3	5303.3	5303.3
2.5°	5348.2	5319.0	5260.7	5312.3	5298.8
5°	5325.7	5310.0	5251.7	5298.8	5283.1
7.5°	5303.3	5285.3	5229.2	5280.9	5258.4
10°	5267.4	5251.7	5195.6	5244.9	5224.7
12.5°	5220.3	5206.8	5155.2	5202.3	5182.1
15°	5164.1	5150.7	5101.3	5146.2	5130.5
17.5°	5096.8	5081.1	5034.0	5081.1	5069.9
20°	5013.8	5004.8	4962.2	5004.8	4998.1
22.5°	4928.5	4917.3	4883.6	4915.0	4917.3
25°	4829.7	4825.3	4791.6	4825.3	4800.6
27.5°	4726.5	4726.5	4692.8	4715.3	4699.6
30°	4612.1	4609.8	4582.9	4594.1	4587.4
32.5°	4488.6	4486.4	4450.5	4479.6	4468.4
35°	4351.7	4345.0	4324.8	4345.0	4331.5
37.5°	4210.3	4203.6	4187.9	4199.1	4196.9
40°	4053.2	4053.2	4044.2	4053.2	4046.5
42.5°	3891.6	3898.4	3887.1	3896.1	3896.1
45°	3721.1	3732.3	3727.8	3718.8	3721.1
47.5°	3539.3	3559.5	3548.2	3546.0	3534.8
50°	3359.7	3377.7	3366.5	3355.2	3348.5
52.5°	3173.4	3182.4	3169.0	3164.5	3148.8
55°	2951.3	2978.2	2967.0	2958.0	2951.3
57.5°	2747.0	2767.2	2758.3	2740.3	2729.1
60°	2529.3	2545.0	2540.6	2520.4	2518.1
62.5°	2316.1	2320.6	2316.1	2280.2	2282.5
65°	2085.0	2089.4	2060.3	2031.1	2037.8
67.5°	1842.6	1856.0	1815.6	1773.0	1802.2
70°	1606.9	1602.4	1571.0	1523.9	1566.5
72.5°	1364.5	1360.0	1324.1	1290.5	1319.7
75°	1122.2	1104.2	1068.3	1052.6	1072.8
77.5°	870.8	850.6	834.9	823.7	832.6
80°	644.1	617.2	603.7	594.7	614.9
82.5°	428.7	408.5	401.7	408.5	404.0
85°	240.1	235.7	235.7	228.9	219.9
87.5°	98.7	103.2	105.5	103.2	98.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)