

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: P567535

Luminaire Tested: **8SNX-168HL-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

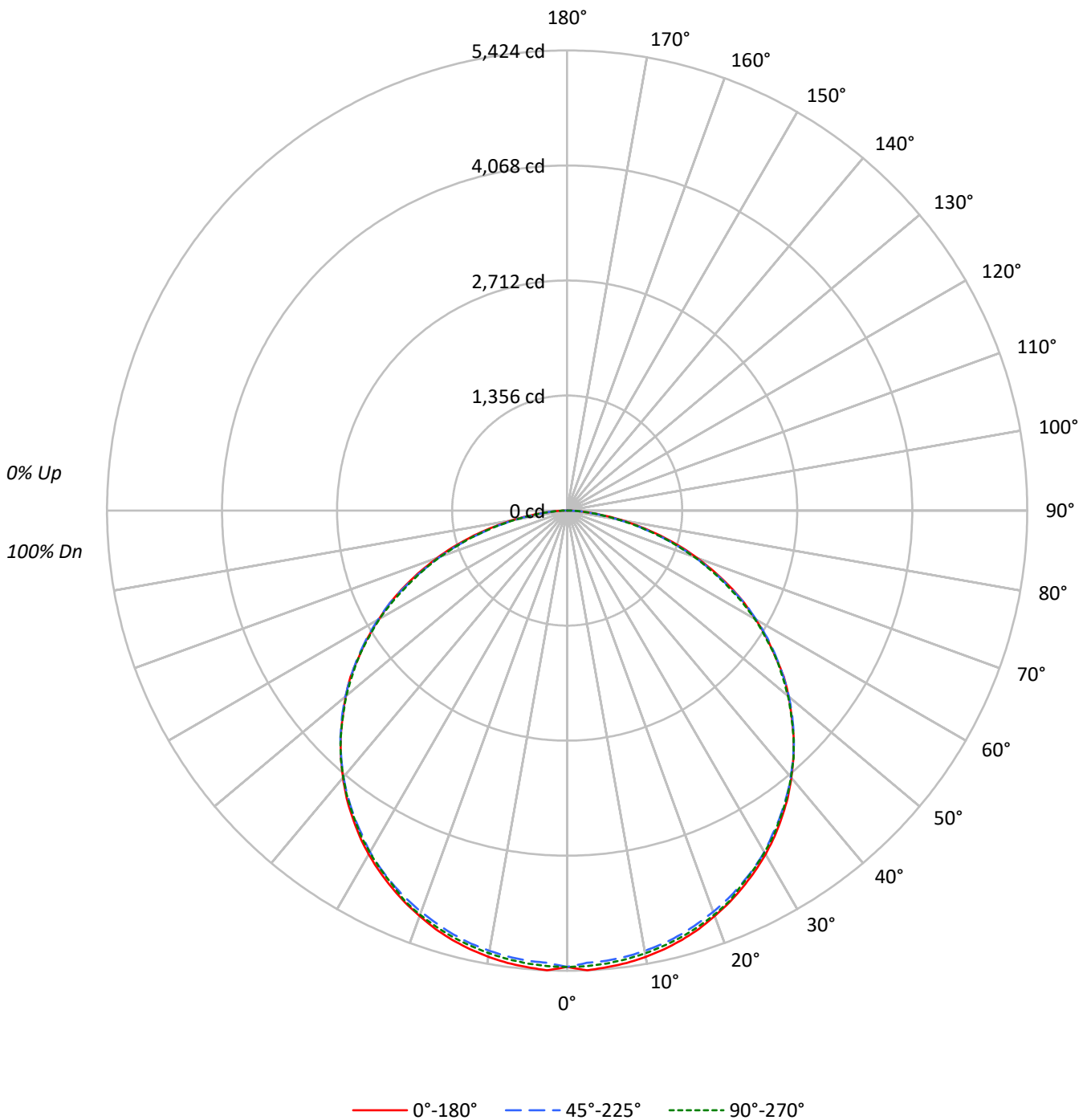
Test Method: LM-79-08  
Report Number: P567535  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-168HL-UNV-L935-CD  
Description: 8FT 16800 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16101.0 lumens  
Efficiency: N/A  
Efficacy: 139.0 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): 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°	28948	28948	28948
5°	29182	28776	28948
10°	29196	28798	28959
15°	29183	28828	28993
20°	29125	28825	29033
25°	29089	28859	28913
30°	29070	28886	28914
35°	28999	28819	28864
40°	28882	28818	28834
45°	28725	28777	28725
50°	28531	28588	28436
55°	28087	28236	28087
60°	27613	27735	27491
65°	26929	26611	26320
70°	25646	25073	25001
75°	23666	22531	22626
80°	20248	18977	19331
85°	15043	14758	13777



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	510.5	3.2
10°-20°	1470.8	9.1
20°-30°	2251.6	14.0
30°-40°	2754.4	17.1
40°-50°	2913.3	18.1
50°-60°	2684.3	16.7
60°-70°	2066.0	12.8
70°-80°	1160.7	7.2
80°-90°	289.6	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°	4232.9	26.3
0°-40°	6987.2	43.4
0°-60°	12584.8	78.2
0°-90°	16101.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16101.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5379	5379	5379	5379	5379	
5°	5402	5386	5326	5374	5358	514
15°	5238	5224	5174	5220	5204	1479
25°	4898	4894	4860	4894	4869	2259
35°	4414	4407	4386	4407	4393	2762
45°	3774	3785	3781	3772	3774	2910
55°	2993	3021	3009	3000	2993	2681
65°	2115	2119	2090	2060	2067	2086
75°	1138	1120	1084	1068	1088	1199
85°	244	239	239	232	223	301
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5378.8	5378.8	5378.8	5378.8	5378.8
2.5°	5424.3	5394.7	5335.5	5387.9	5374.2
5°	5401.6	5385.6	5326.4	5374.2	5358.3
7.5°	5378.8	5360.6	5303.7	5356.0	5333.3
10°	5342.4	5326.4	5269.5	5319.6	5299.1
12.5°	5294.6	5280.9	5228.6	5276.4	5255.9
15°	5237.7	5224.0	5173.9	5219.5	5203.5
17.5°	5169.4	5153.4	5105.6	5153.4	5142.1
20°	5085.2	5076.1	5032.8	5076.1	5069.2
22.5°	4998.7	4987.3	4953.1	4985.0	4987.3
25°	4898.5	4894.0	4859.8	4894.0	4868.9
27.5°	4793.8	4793.8	4759.7	4782.4	4766.5
30°	4677.7	4675.4	4648.1	4659.5	4652.7
32.5°	4552.5	4550.2	4513.8	4543.4	4532.0
35°	4413.7	4406.8	4386.3	4406.8	4393.2
37.5°	4270.3	4263.4	4247.5	4258.9	4256.6
40°	4110.9	4110.9	4101.8	4110.9	4104.1
42.5°	3947.0	3953.9	3942.5	3951.6	3951.6
45°	3774.0	3785.4	3780.9	3771.8	3774.0
47.5°	3589.7	3610.1	3598.8	3596.5	3585.1
50°	3407.6	3425.8	3414.4	3403.0	3396.2
52.5°	3218.6	3227.7	3214.1	3209.5	3193.6
55°	2993.3	3020.6	3009.2	3000.1	2993.3
57.5°	2786.1	2806.6	2797.5	2779.3	2767.9
60°	2565.3	2581.3	2576.7	2556.2	2554.0
62.5°	2349.1	2353.6	2349.1	2312.7	2315.0
65°	2114.6	2119.2	2089.6	2060.0	2066.8
67.5°	1868.8	1882.5	1841.5	1798.2	1827.8
70°	1629.8	1625.2	1593.4	1545.6	1588.8
72.5°	1384.0	1379.4	1343.0	1308.8	1338.4
75°	1138.1	1119.9	1083.5	1067.6	1088.1
77.5°	883.2	862.7	846.8	835.4	844.5
80°	653.3	626.0	612.3	603.2	623.7
82.5°	434.8	414.3	407.5	414.3	409.7
85°	243.6	239.0	239.0	232.2	223.1
87.5°	100.2	104.7	107.0	104.7	100.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)