

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: P567632

Luminaire Tested: **8SNX-180HL-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

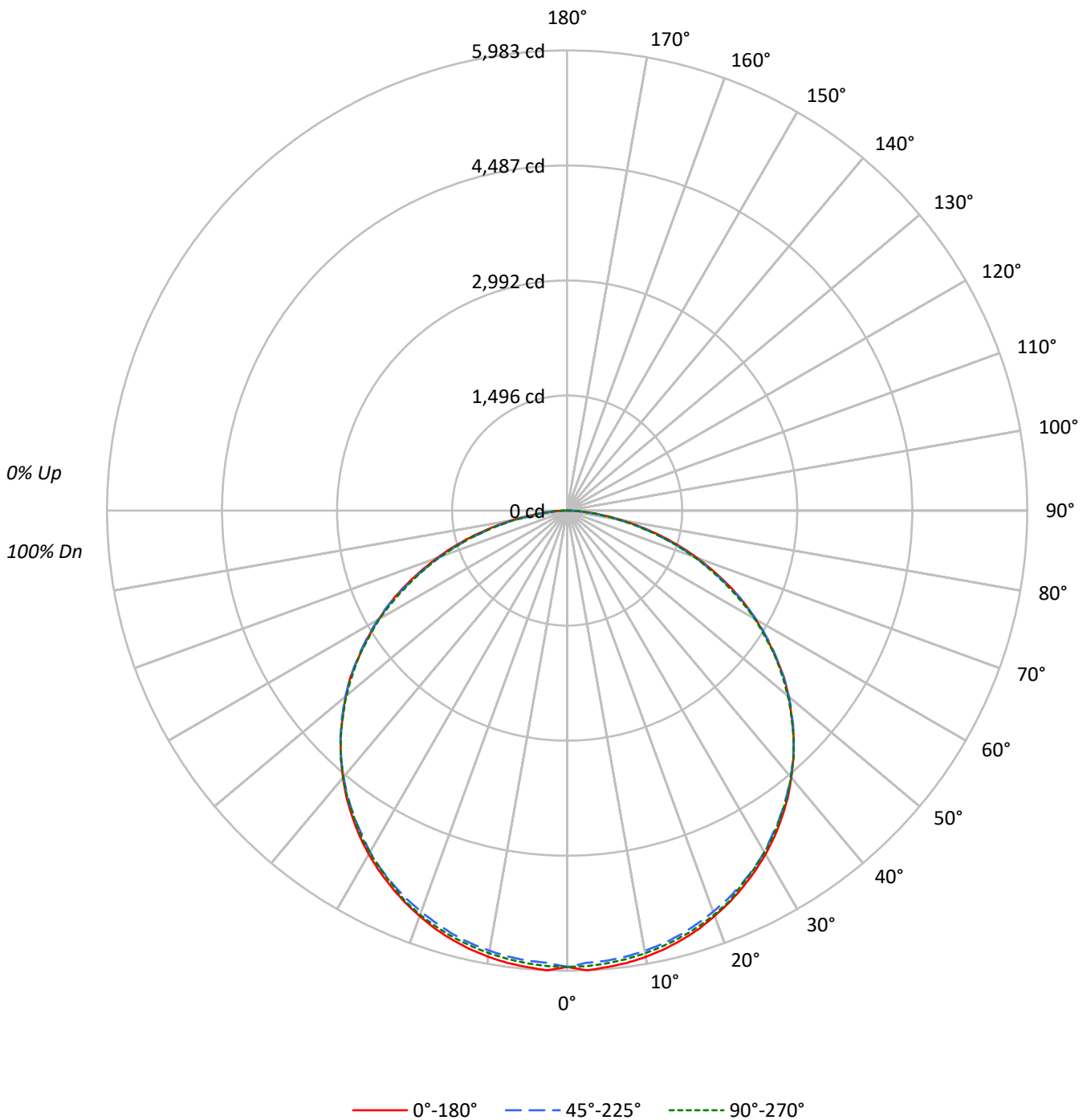
Test Method: LM-79-08  
Report Number: P567632  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-180HL-UNV-L940-CD  
Description: 8FT 18000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17758.0 lumens  
Efficiency: N/A  
Efficacy: 137.9 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): 128.8  
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°	31927	31927	31927
5°	32185	31738	31927
10°	32201	31761	31940
15°	32187	31795	31977
20°	32122	31791	32021
25°	32082	31829	31889
30°	32061	31859	31890
35°	31983	31785	31834
40°	31854	31783	31802
45°	31681	31739	31681
50°	31467	31530	31362
55°	30977	31142	30977
60°	30454	30590	30320
65°	29701	29350	29029
70°	28285	27654	27574
75°	26103	24849	24953
80°	22331	20930	21320
85°	16586	16278	15191



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	563.0	3.2
10°-20°	1622.2	9.1
20°-30°	2483.3	14.0
30°-40°	3037.8	17.1
40°-50°	3213.1	18.1
50°-60°	2960.5	16.7
60°-70°	2278.6	12.8
70°-80°	1280.2	7.2
80°-90°	319.4	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°	4668.5	26.3
0°-40°	7706.3	43.4
0°-60°	13879.9	78.2
0°-90°	17758.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17758.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5932	5932	5932	5932	5932	
5°	5957	5940	5875	5927	5910	567
15°	5777	5762	5706	5757	5739	1631
25°	5403	5398	5360	5398	5370	2492
35°	4868	4860	4838	4860	4845	3046
45°	4162	4175	4170	4160	4162	3210
55°	3301	3332	3319	3309	3301	2957
65°	2332	2337	2305	2272	2280	2301
75°	1255	1235	1195	1177	1200	1322
85°	269	264	264	256	246	331
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5932.3	5932.3	5932.3	5932.3	5932.3
2.5°	5982.6	5949.9	5884.6	5942.4	5927.3
5°	5957.4	5939.9	5874.6	5927.3	5909.7
7.5°	5932.3	5912.3	5849.5	5907.2	5882.1
10°	5892.2	5874.6	5811.8	5867.1	5844.5
12.5°	5839.5	5824.4	5766.6	5819.4	5796.8
15°	5776.7	5761.6	5706.4	5756.6	5739.0
17.5°	5701.4	5683.8	5631.1	5683.8	5671.2
20°	5608.5	5598.4	5550.7	5598.4	5590.9
22.5°	5513.1	5500.5	5462.9	5498.0	5500.5
25°	5402.6	5397.6	5359.9	5397.6	5370.0
27.5°	5287.1	5287.1	5249.5	5274.6	5257.0
30°	5159.1	5156.6	5126.5	5139.0	5131.5
32.5°	5021.0	5018.5	4978.3	5011.0	4998.4
35°	4867.9	4860.4	4837.8	4860.4	4845.3
37.5°	4709.7	4702.2	4684.6	4697.2	4694.7
40°	4534.0	4534.0	4523.9	4534.0	4526.5
42.5°	4353.2	4360.8	4348.2	4358.3	4358.3
45°	4162.4	4175.0	4170.0	4159.9	4162.4
47.5°	3959.1	3981.7	3969.1	3966.6	3954.1
50°	3758.2	3778.3	3765.8	3753.2	3745.7
52.5°	3549.9	3559.9	3544.8	3539.8	3522.2
55°	3301.3	3331.5	3318.9	3308.9	3301.3
57.5°	3072.9	3095.5	3085.4	3065.3	3052.8
60°	2829.3	2846.9	2841.9	2819.3	2816.8
62.5°	2590.8	2595.9	2590.8	2550.7	2553.2
65°	2332.3	2337.3	2304.7	2272.0	2279.5
67.5°	2061.1	2076.2	2031.0	1983.3	2015.9
70°	1797.5	1792.5	1757.4	1704.6	1752.3
72.5°	1526.4	1521.4	1481.2	1443.5	1476.2
75°	1255.3	1235.2	1195.0	1177.4	1200.0
77.5°	974.1	951.5	933.9	921.4	931.4
80°	720.5	690.4	675.3	665.3	687.9
82.5°	479.5	456.9	449.4	456.9	451.9
85°	268.6	263.6	263.6	256.1	246.0
87.5°	110.5	115.5	118.0	115.5	110.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)