

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: P567633

Luminaire Tested: **8SNX-180HL-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

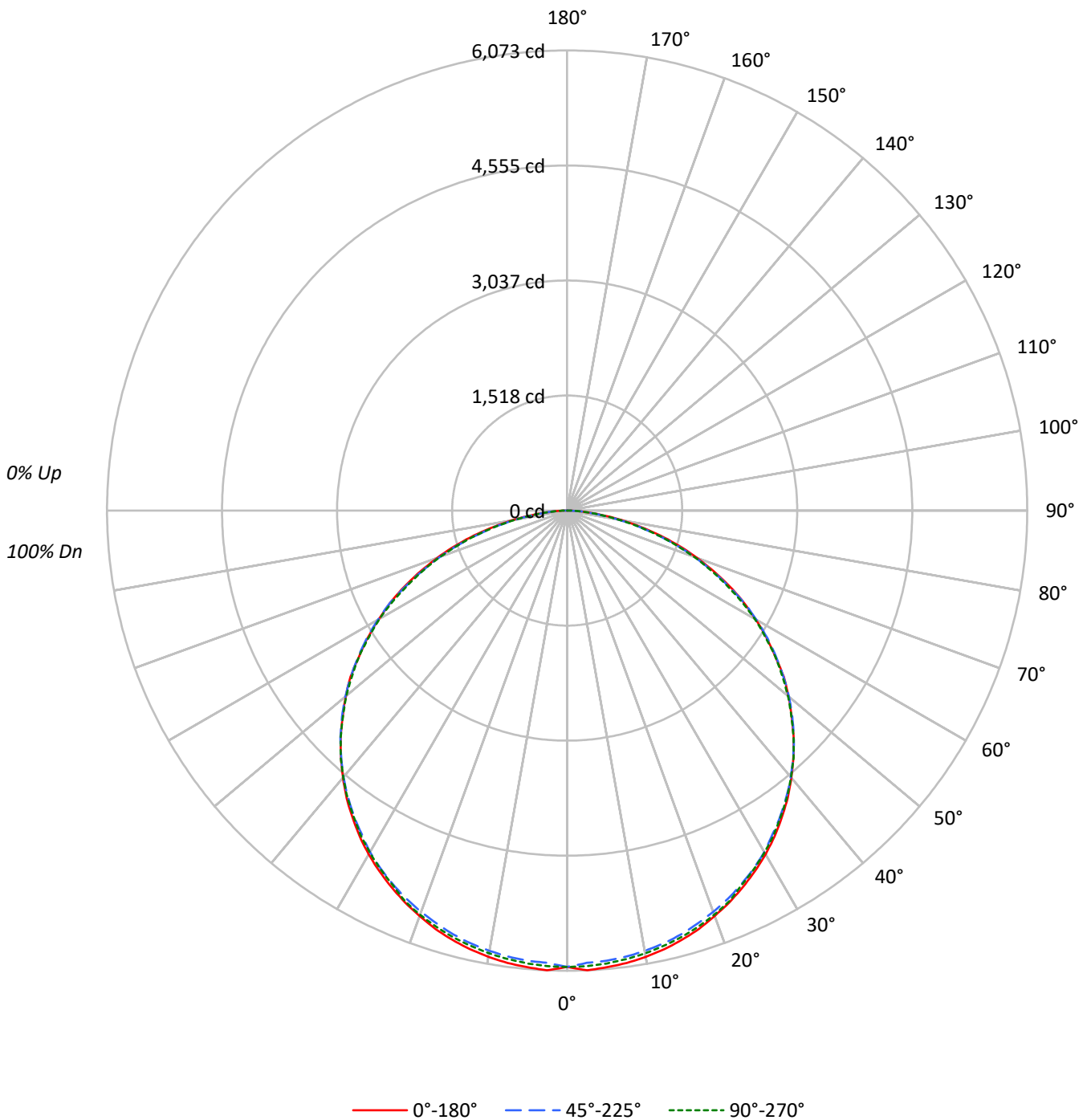
Test Method: LM-79-08  
Report Number: P567633  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-180HL-UNV-L950-CD  
Description: 8FT 18000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18027.0 lumens  
Efficiency: N/A  
Efficacy: 140.0 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): 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	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°	32411	32411	32411
5°	32673	32218	32411
10°	32688	32243	32424
15°	32674	32276	32461
20°	32608	32273	32506
25°	32569	32311	32372
30°	32547	32341	32373
35°	32467	32266	32317
40°	32337	32265	32283
45°	32161	32219	32161
50°	31944	32008	31837
55°	31446	31614	31446
60°	30916	31054	30779
65°	30151	29794	29470
70°	28715	28073	27992
75°	26498	25226	25332
80°	22669	21249	21643
85°	16840	16525	15425



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	571.5	3.2
10°-20°	1646.7	9.1
20°-30°	2521.0	14.0
30°-40°	3083.9	17.1
40°-50°	3261.7	18.1
50°-60°	3005.4	16.7
60°-70°	2313.1	12.8
70°-80°	1299.5	7.2
80°-90°	324.2	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°	4739.2	26.3
0°-40°	7823.1	43.4
0°-60°	14090.2	78.2
0°-90°	18027.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18027.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6022	6022	6022	6022	6022	
5°	6048	6030	5964	6017	5999	575
15°	5864	5849	5793	5844	5826	1655
25°	5484	5479	5441	5479	5451	2530
35°	4942	4934	4911	4934	4919	3092
45°	4226	4238	4233	4223	4226	3258
55°	3351	3382	3369	3359	3351	3001
65°	2368	2373	2340	2306	2314	2336
75°	1274	1254	1213	1195	1218	1342
85°	273	268	268	260	250	337
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6022.2	6022.2	6022.2	6022.2	6022.2
2.5°	6073.2	6040.0	5973.8	6032.4	6017.1
5°	6047.7	6029.9	5963.6	6017.1	5999.3
7.5°	6022.2	6001.8	5938.1	5996.7	5971.2
10°	5981.4	5963.6	5899.9	5955.9	5933.0
12.5°	5927.9	5912.6	5854.0	5907.5	5884.6
15°	5864.2	5848.9	5792.8	5843.8	5826.0
17.5°	5787.7	5769.9	5716.4	5769.9	5757.2
20°	5693.4	5683.3	5634.8	5683.3	5675.6
22.5°	5596.6	5583.9	5545.6	5581.3	5583.9
25°	5484.5	5479.4	5441.1	5479.4	5451.3
27.5°	5367.2	5367.2	5329.0	5354.5	5336.6
30°	5237.3	5234.7	5204.1	5216.9	5209.2
32.5°	5097.1	5094.5	5053.8	5086.9	5074.1
35°	4941.6	4934.0	4911.0	4934.0	4918.7
37.5°	4781.1	4773.4	4755.6	4768.3	4765.8
40°	4602.7	4602.7	4592.5	4602.7	4595.0
42.5°	4419.2	4426.8	4414.1	4424.3	4424.3
45°	4225.5	4238.2	4233.1	4222.9	4225.5
47.5°	4019.1	4042.0	4029.2	4026.7	4014.0
50°	3815.2	3835.6	3822.8	3810.1	3802.4
52.5°	3603.6	3613.8	3598.5	3593.4	3575.6
55°	3351.3	3381.9	3369.2	3359.0	3351.3
57.5°	3119.4	3142.4	3132.2	3111.8	3099.0
60°	2872.2	2890.0	2885.0	2862.0	2859.5
62.5°	2630.1	2635.2	2630.1	2589.3	2591.9
65°	2367.6	2372.7	2339.6	2306.4	2314.1
67.5°	2092.4	2107.6	2061.8	2013.3	2046.5
70°	1824.8	1819.7	1784.0	1730.5	1778.9
72.5°	1549.5	1544.4	1503.6	1465.4	1498.5
75°	1274.3	1253.9	1213.1	1195.3	1218.2
77.5°	988.8	965.9	948.1	935.3	945.5
80°	731.4	700.8	685.6	675.4	698.3
82.5°	486.8	463.8	456.2	463.8	458.7
85°	272.7	267.6	267.6	260.0	249.8
87.5°	112.1	117.2	119.8	117.2	112.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)