

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: P567631

Luminaire Tested: **8SNX-180HL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567631
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-L935-CD
Description: 8FT 18000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

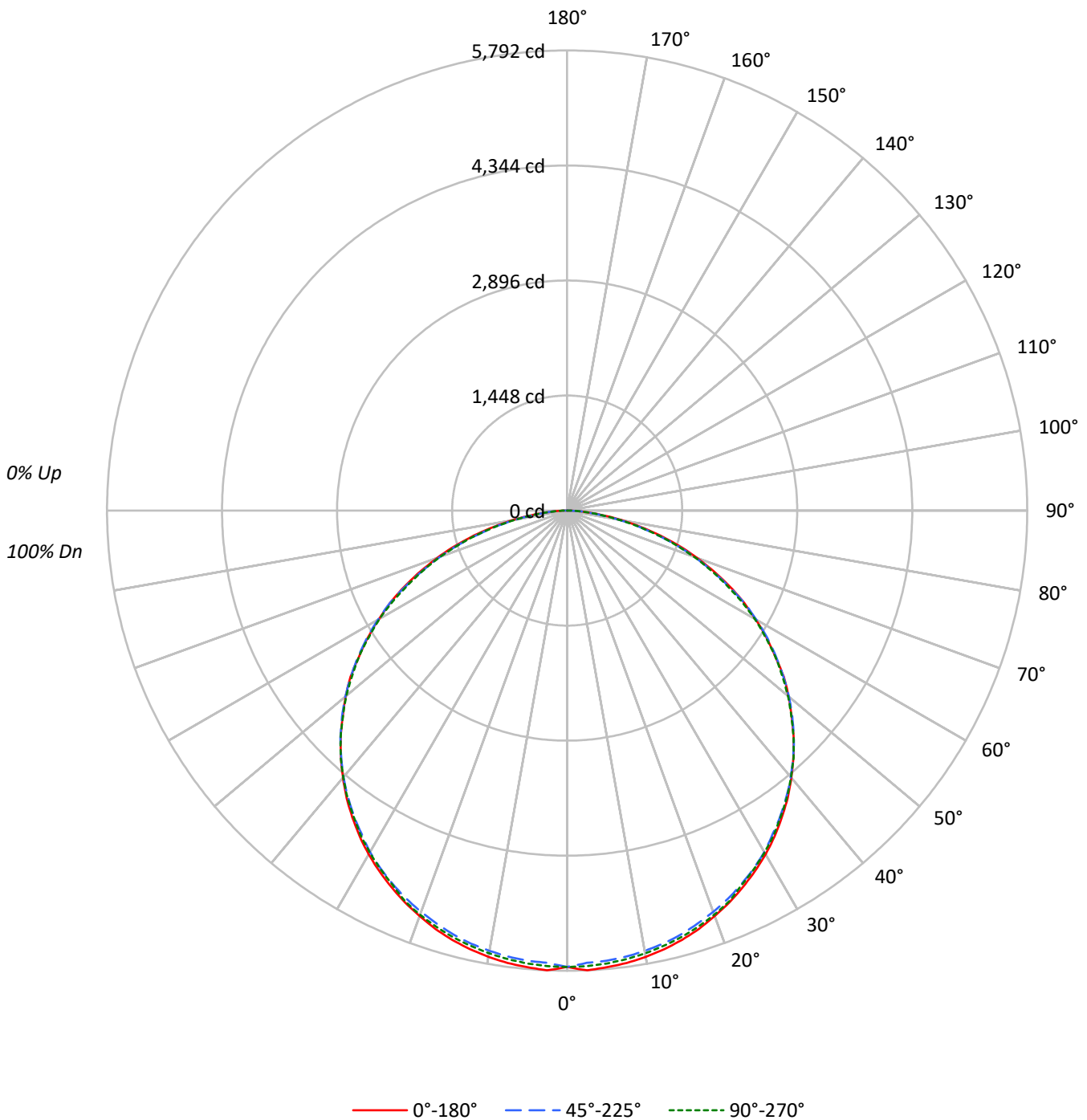
Lumens per Lamp: N/A
Luminaire Lumens: 17194.0 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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°	30913	30913	30913
5°	31163	30730	30914
10°	31178	30753	30926
15°	31164	30785	30961
20°	31102	30782	31004
25°	31063	30818	30876
30°	31043	30847	30877
35°	30967	30775	30823
40°	30843	30774	30791
45°	30675	30730	30675
50°	30468	30529	30366
55°	29993	30153	29993
60°	29488	29618	29356
65°	28758	28418	28107
70°	27387	26774	26699
75°	25273	24061	24161
80°	21621	20267	20642
85°	16061	15759	14709



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	545.1	3.2
10°-20°	1570.6	9.1
20°-30°	2404.5	14.0
30°-40°	2941.3	17.1
40°-50°	3111.0	18.1
50°-60°	2866.5	16.7
60°-70°	2206.2	12.8
70°-80°	1239.5	7.2
80°-90°	309.2	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
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0°-30°	4520.2	26.3
0°-40°	7461.6	43.4
0°-60°	13439.1	78.2
0°-90°	17194.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17194.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5744	5744	5744	5744	5744	
5°	5768	5751	5688	5739	5722	549
15°	5593	5579	5525	5574	5557	1579
25°	5231	5226	5190	5226	5199	2413
35°	4713	4706	4684	4706	4691	2949
45°	4030	4042	4038	4028	4030	3108
55°	3196	3226	3214	3204	3196	2863
65°	2258	2263	2232	2200	2207	2228
75°	1215	1196	1157	1140	1162	1280
85°	260	255	255	248	238	321
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5743.9	5743.9	5743.9	5743.9	5743.9
2.5°	5792.5	5760.9	5697.7	5753.7	5739.1
5°	5768.2	5751.2	5688.0	5739.1	5722.1
7.5°	5743.9	5724.5	5663.7	5719.6	5695.3
10°	5705.0	5688.0	5627.3	5680.7	5658.9
12.5°	5654.0	5639.4	5583.5	5634.5	5612.7
15°	5593.2	5578.6	5525.2	5573.8	5556.8
17.5°	5520.3	5503.3	5452.2	5503.3	5491.1
20°	5430.4	5420.6	5374.5	5420.6	5413.3
22.5°	5338.0	5325.8	5289.4	5323.4	5325.8
25°	5231.0	5226.2	5189.7	5226.2	5199.4
27.5°	5119.2	5119.2	5082.8	5107.1	5090.0
30°	4995.2	4992.8	4963.6	4975.8	4968.5
32.5°	4861.6	4859.1	4820.2	4851.8	4839.7
35°	4713.3	4706.0	4684.1	4706.0	4691.4
37.5°	4560.1	4552.8	4535.8	4548.0	4545.6
40°	4390.0	4390.0	4380.3	4390.0	4382.7
42.5°	4215.0	4222.3	4210.1	4219.8	4219.8
45°	4030.2	4042.4	4037.5	4027.8	4030.2
47.5°	3833.3	3855.2	3843.1	3840.6	3828.5
50°	3638.9	3658.3	3646.2	3634.0	3626.7
52.5°	3437.1	3446.8	3432.3	3427.4	3410.4
55°	3196.5	3225.6	3213.5	3203.8	3196.5
57.5°	2975.3	2997.1	2987.4	2968.0	2955.8
60°	2739.5	2756.5	2751.6	2729.8	2727.3
62.5°	2508.6	2513.4	2508.6	2469.7	2472.1
65°	2258.2	2263.1	2231.5	2199.9	2207.1
67.5°	1995.7	2010.3	1966.5	1920.3	1951.9
70°	1740.4	1735.6	1701.5	1650.5	1696.7
72.5°	1477.9	1473.1	1434.2	1397.7	1429.3
75°	1215.4	1195.9	1157.1	1140.0	1161.9
77.5°	943.1	921.3	904.2	892.1	901.8
80°	697.6	668.5	653.9	644.2	666.0
82.5°	464.3	442.4	435.1	442.4	437.5
85°	260.1	255.2	255.2	247.9	238.2
87.5°	107.0	111.8	114.2	111.8	107.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)