

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: P567628

Luminaire Tested: **8SNX-180HL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567628
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-L840-CD
Description: 8FT 18000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

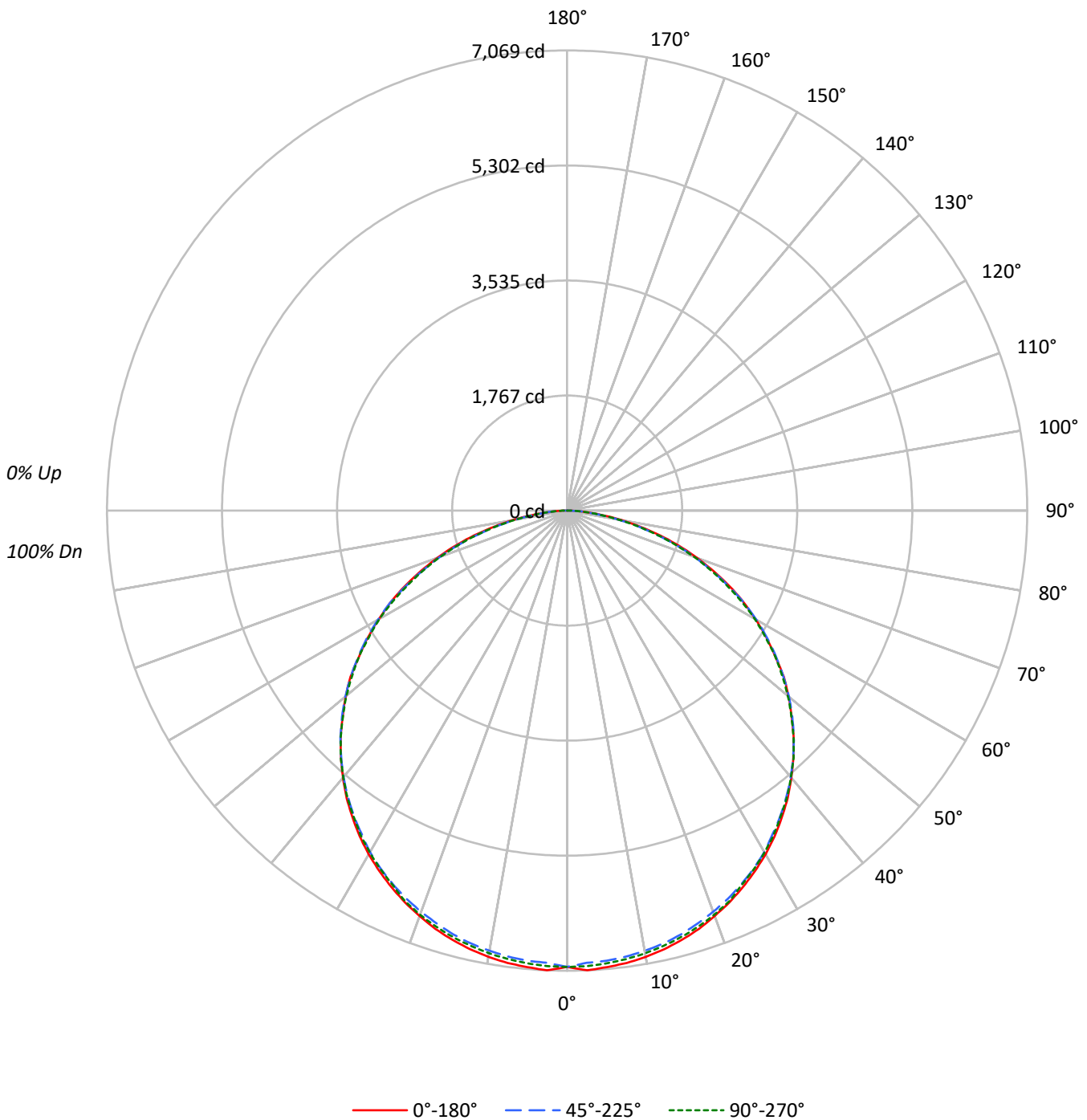
Lumens per Lamp: N/A
Luminaire Lumens: 20982.0 lumens
Efficiency: N/A
Efficacy: 162.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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	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°	37724	37724	37724
5°	38028	37499	37724
10°	38047	37528	37739
15°	38030	37567	37782
20°	37953	37563	37835
25°	37907	37608	37678
30°	37883	37643	37679
35°	37790	37556	37614
40°	37637	37554	37575
45°	37433	37501	37433
50°	37180	37255	37056
55°	36601	36796	36601
60°	35984	36144	35824
65°	35093	34678	34300
70°	33421	32674	32581
75°	30842	29362	29484
80°	26385	24730	25191
85°	19600	19235	17951



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	665.2	3.2
10°-20°	1916.7	9.1
20°-30°	2934.2	14.0
30°-40°	3589.4	17.1
40°-50°	3796.4	18.1
50°-60°	3498.0	16.7
60°-70°	2692.3	12.8
70°-80°	1512.6	7.2
80°-90°	377.3	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°	5516.1	26.3
0°-40°	9105.4	43.4
0°-60°	16399.9	78.2
0°-90°	20982.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20982.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7009	7009	7009	7009	7009	
5°	7039	7018	6941	7003	6983	670
15°	6826	6808	6742	6802	6781	1927
25°	6384	6378	6333	6378	6345	2944
35°	5752	5743	5716	5743	5725	3599
45°	4918	4933	4927	4915	4918	3792
55°	3901	3936	3922	3910	3901	3493
65°	2756	2762	2723	2684	2693	2718
75°	1483	1459	1412	1391	1418	1562
85°	317	312	312	303	291	392
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7009.4	7009.4	7009.4	7009.4	7009.4
2.5°	7068.7	7030.1	6953.0	7021.2	7003.4
5°	7039.0	7018.3	6941.1	7003.4	6982.7
7.5°	7009.4	6985.6	6911.5	6979.7	6950.0
10°	6961.9	6941.1	6867.0	6932.2	6905.6
12.5°	6899.6	6881.8	6813.6	6875.9	6849.2
15°	6825.5	6807.7	6742.4	6801.7	6781.0
17.5°	6736.5	6715.7	6653.4	6715.7	6700.9
20°	6626.7	6614.9	6558.5	6614.9	6606.0
22.5°	6514.0	6499.2	6454.7	6496.2	6499.2
25°	6383.5	6377.5	6333.1	6377.5	6344.9
27.5°	6247.0	6247.0	6202.5	6232.2	6211.4
30°	6095.8	6092.8	6057.2	6072.0	6063.1
32.5°	5932.6	5929.6	5882.2	5920.7	5905.9
35°	5751.7	5742.8	5716.1	5742.8	5725.0
37.5°	5564.8	5555.9	5535.1	5550.0	5547.0
40°	5357.1	5357.1	5345.3	5357.1	5348.2
42.5°	5143.6	5152.5	5137.6	5149.5	5149.5
45°	4918.1	4933.0	4927.0	4915.2	4918.1
47.5°	4677.9	4704.6	4689.7	4686.8	4671.9
50°	4440.6	4464.3	4449.5	4434.6	4425.7
52.5°	4194.4	4206.2	4188.4	4182.5	4161.7
55°	3900.7	3936.3	3921.5	3909.6	3900.7
57.5°	3630.8	3657.5	3645.6	3621.9	3607.0
60°	3343.0	3363.8	3357.9	3331.2	3328.2
62.5°	3061.2	3067.2	3061.2	3013.8	3016.7
65°	2755.7	2761.6	2723.1	2684.5	2693.4
67.5°	2435.3	2453.1	2399.7	2343.4	2381.9
70°	2123.9	2117.9	2076.4	2014.1	2070.5
72.5°	1803.5	1797.6	1750.1	1705.6	1744.2
75°	1483.2	1459.4	1412.0	1391.2	1417.9
77.5°	1150.9	1124.2	1103.5	1088.6	1100.5
80°	851.3	815.7	797.9	786.1	812.8
82.5°	566.6	539.9	531.0	539.9	533.9
85°	317.4	311.5	311.5	302.6	290.7
87.5°	130.5	136.4	139.4	136.4	130.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)