

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: P567623

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567623
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-180HL-SLW-UNV-L935-CD
Description: 8FT 18000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

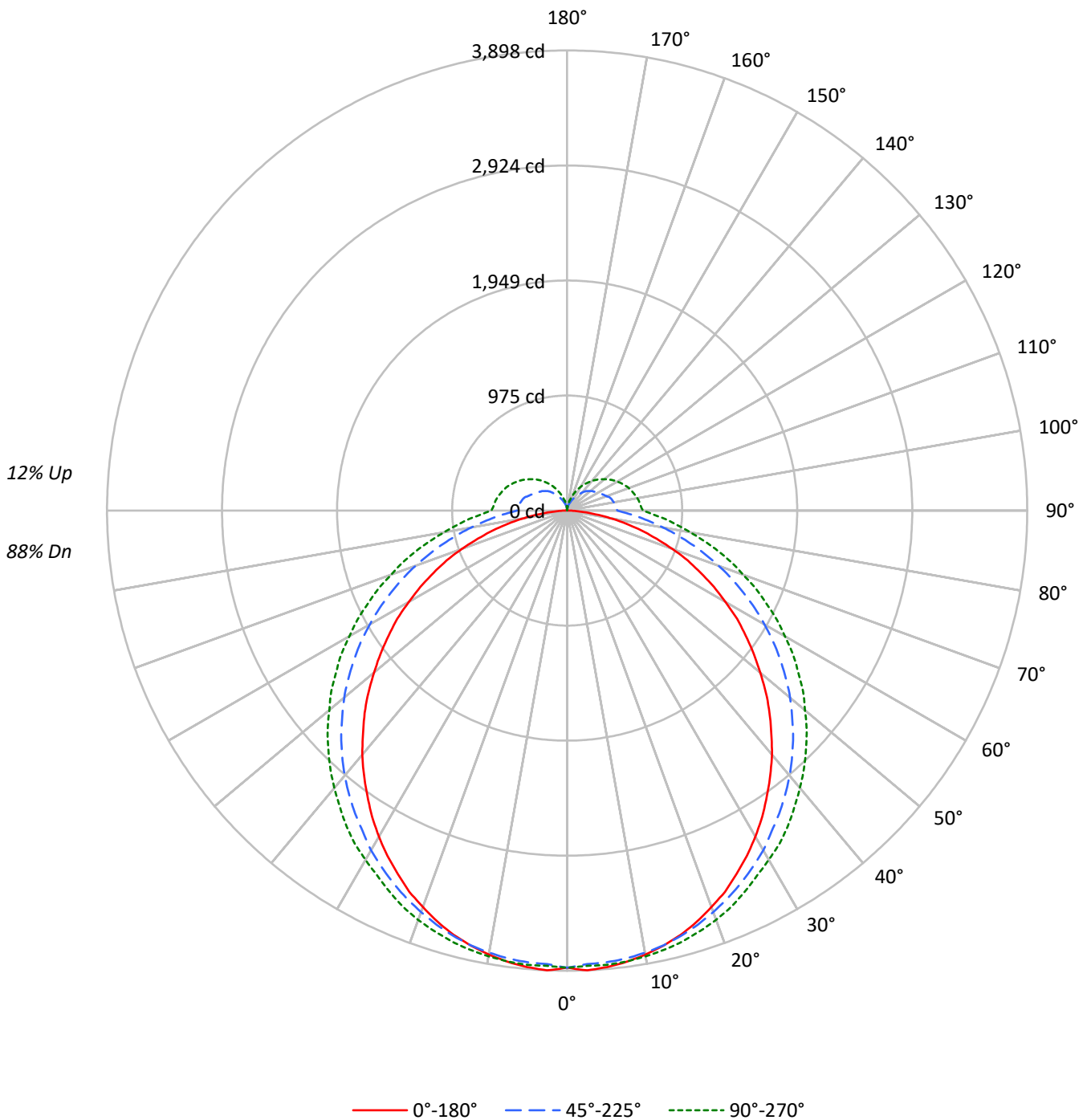
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13940.0 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20839	20839	20839
5°	20951	20321	20278
10°	20835	19931	19793
15°	20665	19511	19335
20°	20390	19049	18859
25°	20061	18585	18315
30°	19702	18118	17814
35°	19245	17595	17384
40°	18805	17118	16856
45°	18271	16588	16355
50°	17650	16024	15782
55°	17062	15363	15210
60°	16382	14646	14552
65°	15553	13827	13851
70°	14499	12904	13044
75°	12998	11840	12305
80°	10901	10788	11369
85°	7905	9861	10760



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.6	2.6
10°-20°	1057.4	7.6
20°-30°	1608.6	11.5
30°-40°	1955.9	14.0
40°-50°	2069.3	14.8
50°-60°	1939.7	13.9
60°-70°	1595.7	11.4
70°-80°	1104.1	7.9
80°-90°	614.0	4.4
90°-100°	404.5	2.9
100°-110°	362.7	2.6
110°-120°	300.2	2.2
120°-130°	232.1	1.7
130°-140°	164.3	1.2
140°-150°	99.1	0.7
150°-160°	47.6	0.3
160°-170°	15.6	0.1
170°-180°	1.9	0.0
0°-30°	3033.6	21.8
0°-40°	4989.4	35.8
0°-60°	8998.4	64.6
0°-90°	12312.1	88.3
90°-120°	1067.4	7.7
90°-150°	1562.8	11.2
90°-180°	1628.0	11.7
0°-180°	13940.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3872	3872	3872	3872	3872	
5°	3882	3874	3841	3872	3862	368
15°	3719	3731	3729	3779	3779	1048
25°	3395	3442	3483	3559	3562	1565
35°	2950	3029	3132	3232	3261	1847
45°	2425	2552	2707	2829	2862	1869
55°	1845	2010	2203	2342	2390	1652
65°	1248	1428	1650	1812	1862	1238
75°	649	838	1084	1256	1325	689
85°	143	356	602	769	836	165
90°	2	200	425	585	642	9
95°	2	191	413	566	621	2
105°	2	165	387	532	580	3
115°	5	143	327	473	525	4
125°	5	122	279	403	454	4
135°	5	96	234	332	372	4
145°	5	69	162	251	282	3
155°	7	48	100	160	186	3
165°	7	31	55	74	96	2
175°	7	12	17	17	10	1
180°	5	5	5	5	5	



TEST NUMBER: P567623

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3872.0	3872.0	3872.0	3872.0	3872.0
2.5°	3898.3	3886.3	3845.7	3872.0	3860.1
5°	3881.5	3874.4	3841.0	3872.0	3862.4
7.5°	3855.3	3852.9	3826.6	3862.4	3852.9
10°	3819.5	3824.2	3802.8	3841.0	3833.8
12.5°	3774.1	3781.3	3771.7	3814.7	3809.9
15°	3719.2	3731.1	3728.8	3778.9	3778.9
17.5°	3652.4	3669.1	3678.6	3735.9	3735.9
20°	3573.6	3599.9	3619.0	3681.0	3690.6
22.5°	3494.8	3525.9	3554.5	3619.0	3633.3
25°	3394.6	3442.3	3482.9	3559.3	3561.7
27.5°	3296.7	3349.2	3404.1	3478.1	3485.3
30°	3189.3	3256.1	3322.9	3394.6	3416.0
32.5°	3074.7	3148.7	3222.7	3318.2	3346.8
35°	2950.5	3029.3	3132.0	3232.2	3260.9
37.5°	2826.4	2914.7	3034.1	3136.7	3163.0
40°	2699.9	2797.8	2931.4	3036.5	3067.5
42.5°	2559.0	2678.4	2821.6	2933.8	2969.6
45°	2425.4	2551.9	2707.1	2828.8	2862.2
47.5°	2284.5	2418.2	2585.3	2714.2	2752.4
50°	2134.1	2286.9	2465.9	2594.9	2630.7
52.5°	1993.3	2148.5	2337.0	2470.7	2520.9
55°	1845.3	2010.0	2203.4	2341.8	2389.6
57.5°	1706.8	1864.4	2072.1	2210.5	2270.2
60°	1549.3	1723.5	1931.2	2081.6	2129.4
62.5°	1401.3	1577.9	1792.8	1947.9	2002.8
65°	1248.5	1427.5	1649.5	1811.9	1862.0
67.5°	1105.3	1281.9	1508.7	1668.6	1733.1
70°	947.7	1133.9	1365.5	1530.2	1585.1
72.5°	792.5	985.9	1222.2	1398.9	1460.9
75°	649.3	837.9	1083.8	1255.7	1324.9
77.5°	510.9	701.8	950.1	1126.7	1186.4
80°	372.4	572.9	826.0	1000.2	1057.5
82.5°	245.9	455.9	706.6	880.9	942.9
85°	143.2	355.7	601.6	768.7	835.5
87.5°	62.1	269.8	503.7	668.4	723.3
90°	2.4	200.5	424.9	584.9	642.1
92.5°	2.4	195.7	415.4	572.9	627.8
95°	2.4	191.0	413.0	565.8	620.7
97.5°	2.4	188.6	408.2	561.0	613.5
100°	2.4	181.4	401.0	551.4	604.0
102.5°	2.4	171.9	393.9	541.9	592.0
105°	2.4	164.7	386.7	532.3	580.1
107.5°	2.4	157.6	374.8	520.4	568.1
110°	2.4	150.4	355.7	508.5	556.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	148.0	341.4	491.8	541.9
115°	4.8	143.2	327.0	472.7	525.2
117.5°	4.8	140.8	315.1	453.6	508.5
120°	4.8	133.7	303.2	436.9	489.4
122.5°	4.8	126.5	291.2	420.1	472.7
125°	4.8	121.7	279.3	403.4	453.6
127.5°	4.8	114.6	269.8	386.7	432.1
130°	4.8	109.8	257.8	367.6	413.0
132.5°	4.8	102.6	245.9	348.5	391.5
135°	4.8	95.5	233.9	331.8	372.4
137.5°	4.8	85.9	219.6	312.7	350.9
140°	4.8	78.8	200.5	293.6	329.4
142.5°	4.8	74.0	181.4	272.1	305.6
145°	4.8	69.2	162.3	250.7	281.7
147.5°	4.8	64.5	145.6	229.2	257.8
150°	4.8	57.3	128.9	210.1	233.9
152.5°	7.2	52.5	114.6	186.2	210.1
155°	7.2	47.7	100.3	159.9	186.2
157.5°	7.2	43.0	85.9	133.7	162.3
160°	7.2	38.2	74.0	109.8	138.5
162.5°	7.2	35.8	64.5	90.7	117.0
165°	7.2	31.0	54.9	74.0	95.5
167.5°	7.2	23.9	45.4	57.3	78.8
170°	7.2	19.1	35.8	40.6	59.7
172.5°	7.2	14.3	26.3	28.6	31.0
175°	7.2	11.9	16.7	16.7	9.5
177.5°	7.2	9.5	9.5	9.5	4.8
180°	4.8	4.8	4.8	4.8	4.8

(END OF REPORT)