

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: P567510

Luminaire Tested: **8SNX-168HL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-168HL-LN-UNV-L930-CD
Description: 8FT 16800 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

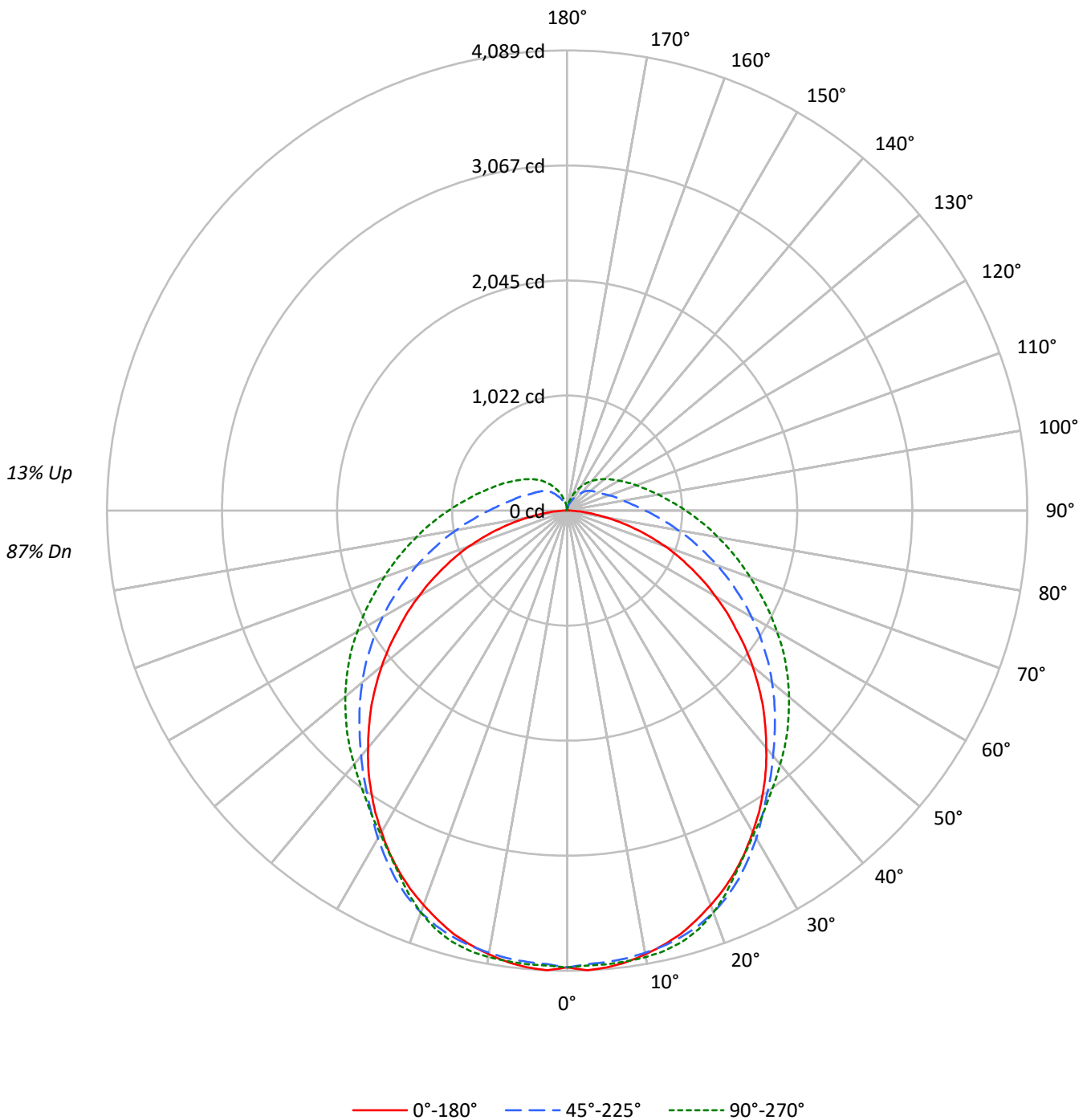
Lumens per Lamp: N/A
Luminaire Lumens: 14652.0 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 115.8
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	104	104	104	96	96	96	90	90	90	87
1	104	98	93	89	100	95	90	86	88	84	81	82	79	76	76	74	72	68
2	94	85	77	71	90	82	75	69	76	70	66	71	66	62	66	62	59	56
3	85	74	65	58	81	71	63	57	66	60	54	62	56	52	58	53	49	46
4	78	65	56	49	74	63	55	48	59	52	46	55	49	44	51	46	42	39
5	71	58	49	42	68	56	48	41	53	45	40	49	43	38	46	41	36	34
6	66	52	43	37	63	51	42	36	47	40	35	44	38	33	42	36	32	29
7	61	47	38	32	58	46	38	32	43	36	30	41	34	29	38	33	28	26
8	57	43	35	29	54	42	34	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	32	27	23	21
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21845	21845	21845
5°	21969	20866	20656
10°	21803	20080	19703
15°	21581	19336	18742
20°	21208	18494	17516
25°	20803	17472	16080
30°	20257	16321	14881
35°	19672	15147	13986
40°	19004	14205	13262
45°	18354	13371	12637
50°	17575	12602	12007
55°	16659	11831	11390
60°	15793	11061	10746
65°	14838	10284	10155
70°	13754	9556	9621
75°	12030	8847	9181
80°	9776	8238	8809
85°	7062	7814	8595



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.6	2.6
10°-20°	1108.6	7.6
20°-30°	1650.8	11.3
30°-40°	1947.9	13.3
40°-50°	2031.4	13.9
50°-60°	1909.0	13.0
60°-70°	1612.1	11.0
70°-80°	1218.1	8.3
80°-90°	839.7	5.7
90°-100°	587.6	4.0
100°-110°	438.5	3.0
110°-120°	330.6	2.3
120°-130°	246.5	1.7
130°-140°	173.0	1.2
140°-150°	104.6	0.7
150°-160°	50.0	0.3
160°-170°	16.0	0.1
170°-180°	1.9	0.0
0°-30°	3145.0	21.5
0°-40°	5092.9	34.8
0°-60°	9033.3	61.7
0°-90°	12703.2	86.7
90°-120°	1356.6	9.3
90°-150°	1880.8	12.8
90°-180°	1949.0	13.3
0°-180°	14652.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4059	4059	4059	4059	4059	
5°	4074	4066	4027	4056	4046	387
15°	3895	3912	3922	3972	3964	1097
25°	3537	3609	3609	3577	3550	1627
35°	3038	3150	3090	3115	3122	1900
45°	2462	2583	2611	2718	2767	1896
55°	1828	1985	2136	2308	2370	1640
65°	1217	1411	1649	1866	1938	1209
75°	624	864	1197	1448	1540	664
85°	142	445	830	1103	1200	159
90°	2	316	693	959	1053	10
95°	2	246	586	840	926	2
105°	5	176	452	656	730	5
115°	5	152	350	522	589	5
125°	8	129	296	427	482	7
135°	8	99	246	348	390	6
145°	10	72	171	266	298	6
155°	10	47	104	169	196	5
165°	12	30	55	74	99	3
175°	12	12	15	15	8	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4058.9	4058.9	4058.9	4058.9	4058.9
2.5°	4088.7	4078.7	4034.0	4058.9	4046.5
5°	4073.8	4066.3	4026.6	4056.4	4046.5
7.5°	4046.5	4044.0	4014.2	4048.9	4039.0
10°	4004.2	4011.7	3989.3	4036.5	4029.1
12.5°	3954.5	3969.5	3962.0	4014.2	4006.7
15°	3894.9	3912.3	3922.3	3971.9	3964.5
17.5°	3815.4	3847.7	3870.1	3909.8	3897.4
20°	3731.0	3775.7	3800.5	3820.4	3800.5
22.5°	3639.1	3698.7	3713.6	3703.7	3683.8
25°	3537.2	3609.3	3609.3	3577.0	3549.7
27.5°	3423.0	3512.4	3487.6	3450.3	3427.9
30°	3298.8	3405.6	3363.4	3321.1	3316.2
32.5°	3174.6	3286.3	3224.2	3214.3	3221.8
35°	3037.9	3149.7	3090.1	3115.0	3122.4
37.5°	2901.3	3013.1	2973.4	3010.6	3033.0
40°	2752.3	2871.5	2846.7	2913.7	2943.6
42.5°	2605.7	2729.9	2727.4	2814.4	2859.1
45°	2461.7	2583.4	2610.7	2717.5	2767.2
47.5°	2305.2	2429.4	2496.4	2620.6	2670.3
50°	2151.2	2285.3	2377.2	2516.3	2573.4
52.5°	1992.2	2133.8	2260.5	2414.5	2474.1
55°	1828.2	1984.7	2136.3	2307.6	2369.7
57.5°	1681.7	1840.7	2019.5	2195.9	2267.9
60°	1520.2	1696.6	1892.8	2079.1	2151.2
62.5°	1373.7	1555.0	1773.6	1969.8	2046.8
65°	1217.2	1410.9	1649.4	1865.5	1937.5
67.5°	1073.1	1271.8	1532.6	1751.2	1830.7
70°	924.1	1135.2	1418.4	1649.4	1731.4
72.5°	770.0	993.6	1304.1	1550.0	1634.5
75°	623.5	864.4	1197.3	1448.2	1540.1
77.5°	486.9	740.2	1100.4	1358.8	1448.2
80°	352.7	628.5	998.6	1266.8	1358.8
82.5°	233.5	531.6	916.6	1184.9	1281.8
85°	141.6	444.6	829.7	1102.9	1199.8
87.5°	64.6	372.6	760.1	1030.9	1125.3
90°	2.5	315.5	693.0	958.8	1053.2
92.5°	2.5	275.7	638.4	896.7	988.6
95°	2.5	245.9	586.2	839.6	926.5
97.5°	2.5	226.0	546.5	784.9	869.4
100°	2.5	206.2	506.7	735.3	822.2
102.5°	5.0	188.8	476.9	690.6	772.5
105°	5.0	176.4	452.1	655.8	730.3
107.5°	5.0	168.9	424.8	621.0	690.6
110°	5.0	161.5	395.0	586.2	655.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.0	156.5	372.6	556.4	623.5
115°	5.0	151.5	350.2	521.6	588.7
117.5°	5.0	149.0	337.8	494.3	558.9
120°	7.5	141.6	322.9	469.5	531.6
122.5°	7.5	134.1	308.0	449.6	504.3
125°	7.5	129.2	295.6	427.3	481.9
127.5°	7.5	121.7	283.2	407.4	457.1
130°	7.5	114.3	273.2	387.5	434.7
132.5°	7.5	106.8	260.8	367.6	412.3
135°	7.5	99.4	245.9	347.8	390.0
137.5°	7.5	91.9	231.0	327.9	367.6
140°	7.5	84.5	211.1	308.0	345.3
142.5°	7.5	77.0	191.3	288.1	320.4
145°	9.9	72.0	171.4	265.8	298.1
147.5°	9.9	64.6	151.5	243.4	270.8
150°	9.9	59.6	136.6	221.1	245.9
152.5°	9.9	52.2	121.7	196.2	221.1
155°	9.9	47.2	104.3	168.9	196.2
157.5°	9.9	42.2	89.4	141.6	171.4
160°	9.9	39.7	77.0	116.7	146.6
162.5°	12.4	34.8	64.6	94.4	121.7
165°	12.4	29.8	54.6	74.5	99.4
167.5°	12.4	24.8	44.7	57.1	77.0
170°	12.4	19.9	34.8	39.7	59.6
172.5°	12.4	14.9	24.8	27.3	29.8
175°	12.4	12.4	14.9	14.9	7.5
177.5°	12.4	12.4	9.9	7.5	2.5
180°	7.5	7.5	7.5	7.5	7.5

(END OF REPORT)