

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: P567411

Luminaire Tested: **8SNX-148HL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567411
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-148HL-LN-UNV-L835-CD
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

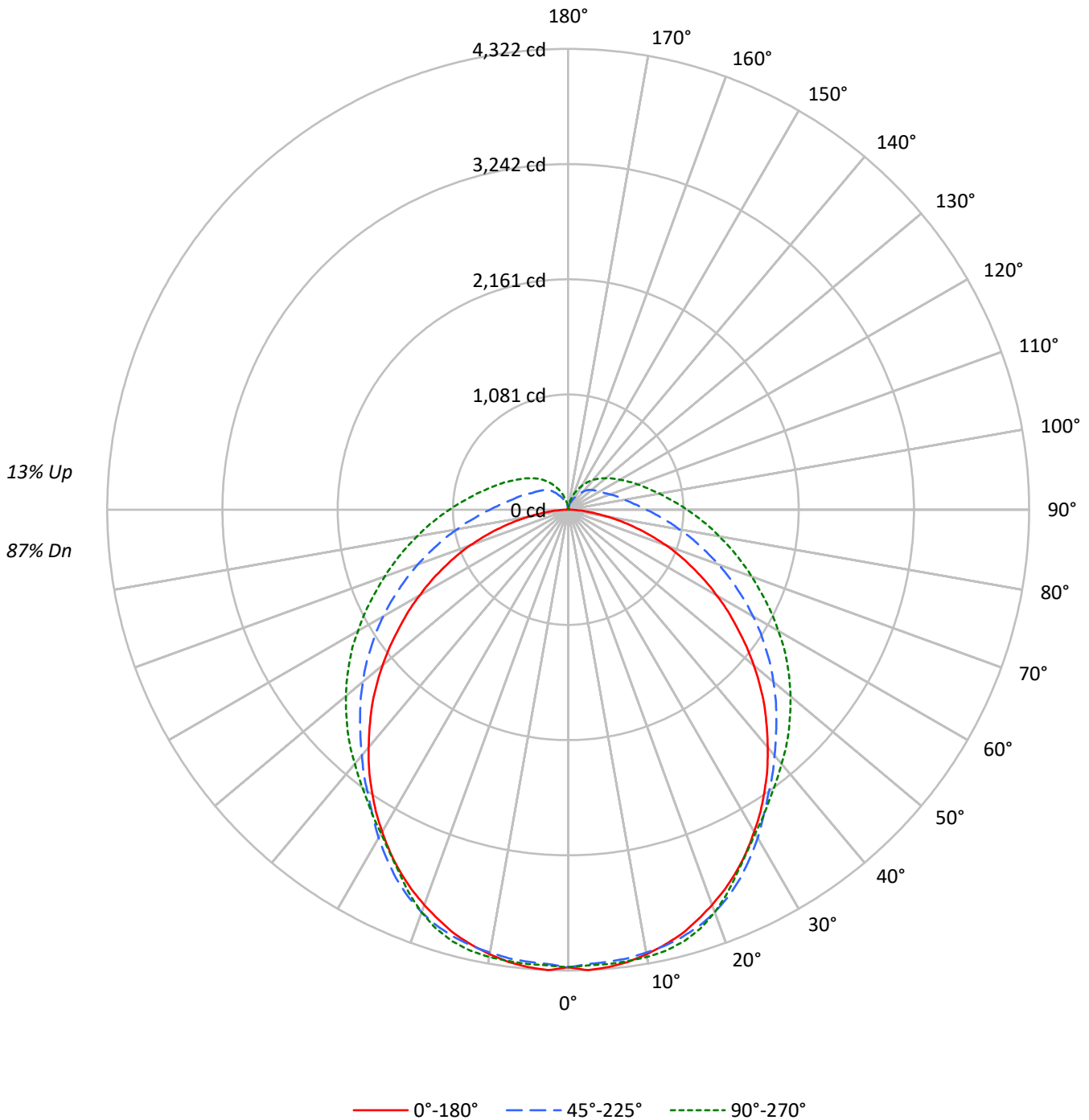
Lumens per Lamp: N/A
Luminaire Lumens: 15490.0 lumens
Efficiency: N/A
Efficacy: 149.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 103.6
Input Voltage (V): NR
Input Current (A_{in}): 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°	23094	23094	23094
5°	23225	22060	21838
10°	23050	21229	20830
15°	22816	20441	19813
20°	22421	19552	18518
25°	21993	18472	17000
30°	21415	17254	15732
35°	20798	16013	14786
40°	20091	15018	14020
45°	19403	14135	13360
50°	18580	13323	12694
55°	17612	12507	12042
60°	16697	11693	11361
65°	15686	10872	10736
70°	14540	10102	10172
75°	12717	9353	9707
80°	10336	8709	9312
85°	7466	8261	9086



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.6	2.6
10°-20°	1172.0	7.6
20°-30°	1745.2	11.3
30°-40°	2059.3	13.3
40°-50°	2147.6	13.9
50°-60°	2018.2	13.0
60°-70°	1704.4	11.0
70°-80°	1287.8	8.3
80°-90°	887.7	5.7
90°-100°	621.2	4.0
100°-110°	463.6	3.0
110°-120°	349.5	2.3
120°-130°	260.6	1.7
130°-140°	182.9	1.2
140°-150°	110.6	0.7
150°-160°	52.9	0.3
160°-170°	16.9	0.1
170°-180°	2.0	0.0
0°-30°	3324.9	21.5
0°-40°	5384.1	34.8
0°-60°	9549.9	61.7
0°-90°	13429.8	86.7
90°-120°	1434.2	9.3
90°-150°	1988.4	12.8
90°-180°	2060.0	13.3
0°-180°	15490.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4291	4291	4291	4291	4291	
5°	4307	4299	4257	4288	4278	409
15°	4118	4136	4147	4199	4191	1159
25°	3740	3816	3816	3782	3753	1720
35°	3212	3330	3267	3293	3301	2008
45°	2602	2731	2760	2873	2926	2004
55°	1933	2098	2258	2440	2505	1734
65°	1287	1492	1744	1972	2048	1278
75°	659	914	1266	1531	1628	702
85°	150	470	877	1166	1268	168
90°	3	334	733	1014	1114	10
95°	3	260	620	888	980	2
105°	5	186	478	693	772	5
115°	5	160	370	552	622	6
125°	8	137	312	452	510	7
135°	8	105	260	368	412	6
145°	10	76	181	281	315	6
155°	10	50	110	179	208	5
165°	13	32	58	79	105	4
175°	13	13	16	16	8	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4291.0	4291.0	4291.0	4291.0	4291.0
2.5°	4322.5	4312.0	4264.8	4291.0	4277.9
5°	4306.8	4298.9	4256.9	4288.4	4277.9
7.5°	4277.9	4275.3	4243.7	4280.5	4270.0
10°	4233.2	4241.1	4217.5	4267.4	4259.5
12.5°	4180.7	4196.5	4188.6	4243.7	4235.9
15°	4117.7	4136.1	4146.6	4199.1	4191.2
17.5°	4033.7	4067.8	4091.4	4133.5	4120.3
20°	3944.4	3991.6	4017.9	4038.9	4017.9
22.5°	3847.2	3910.2	3926.0	3915.5	3894.5
25°	3739.5	3815.7	3815.7	3781.6	3752.7
27.5°	3618.7	3713.3	3687.0	3647.6	3624.0
30°	3487.4	3600.4	3555.7	3511.1	3505.8
32.5°	3356.1	3474.3	3408.7	3398.1	3406.0
35°	3211.7	3329.9	3266.8	3293.1	3301.0
37.5°	3067.3	3185.4	3143.4	3182.8	3206.4
40°	2909.7	3035.8	3009.5	3080.4	3111.9
42.5°	2754.8	2886.1	2883.4	2975.4	3022.6
45°	2602.4	2731.1	2760.0	2872.9	2925.5
47.5°	2437.0	2568.3	2639.2	2770.5	2823.0
50°	2274.2	2416.0	2513.2	2660.2	2720.6
52.5°	2106.1	2255.8	2389.7	2552.6	2615.6
55°	1932.8	2098.2	2258.4	2439.6	2505.3
57.5°	1777.9	1945.9	2135.0	2321.5	2397.6
60°	1607.2	1793.6	2001.1	2198.0	2274.2
62.5°	1452.2	1643.9	1875.0	2082.5	2163.9
65°	1286.8	1491.6	1743.7	1972.2	2048.3
67.5°	1134.5	1344.6	1620.3	1851.4	1935.4
70°	976.9	1200.1	1499.5	1743.7	1830.4
72.5°	814.1	1050.4	1378.7	1638.7	1728.0
75°	659.1	913.9	1265.8	1531.0	1628.2
77.5°	514.7	782.6	1163.4	1436.5	1531.0
80°	372.9	664.4	1055.7	1339.3	1436.5
82.5°	246.9	562.0	969.0	1252.6	1355.1
85°	149.7	470.1	877.1	1166.0	1268.4
87.5°	68.3	393.9	803.6	1089.8	1189.6
90°	2.6	333.5	732.7	1013.7	1113.5
92.5°	2.6	291.5	674.9	948.0	1045.2
95°	2.6	260.0	619.8	887.6	979.5
97.5°	2.6	239.0	577.7	829.8	919.1
100°	2.6	218.0	535.7	777.3	869.2
102.5°	5.3	199.6	504.2	730.1	816.7
105°	5.3	186.5	477.9	693.3	772.1
107.5°	5.3	178.6	449.1	656.5	730.1
110°	5.3	170.7	417.5	619.8	693.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.3	165.4	393.9	588.2	659.1
115°	5.3	160.2	370.3	551.5	622.4
117.5°	5.3	157.6	357.1	522.6	590.9
120°	7.9	149.7	341.4	496.3	562.0
122.5°	7.9	141.8	325.6	475.3	533.1
125°	7.9	136.6	312.5	451.7	509.5
127.5°	7.9	128.7	299.4	430.7	483.2
130°	7.9	120.8	288.9	409.7	459.6
132.5°	7.9	112.9	275.7	388.7	435.9
135°	7.9	105.0	260.0	367.7	412.3
137.5°	7.9	97.2	244.2	346.6	388.7
140°	7.9	89.3	223.2	325.6	365.0
142.5°	7.9	81.4	202.2	304.6	338.8
145°	10.5	76.2	181.2	281.0	315.1
147.5°	10.5	68.3	160.2	257.4	286.2
150°	10.5	63.0	144.4	233.7	260.0
152.5°	10.5	55.1	128.7	207.5	233.7
155°	10.5	49.9	110.3	178.6	207.5
157.5°	10.5	44.6	94.5	149.7	181.2
160°	10.5	42.0	81.4	123.4	154.9
162.5°	13.1	36.8	68.3	99.8	128.7
165°	13.1	31.5	57.8	78.8	105.0
167.5°	13.1	26.3	47.3	60.4	81.4
170°	13.1	21.0	36.8	42.0	63.0
172.5°	13.1	15.8	26.3	28.9	31.5
175°	13.1	13.1	15.8	15.8	7.9
177.5°	13.1	13.1	10.5	7.9	2.6
180°	7.9	7.9	7.9	7.9	7.9

(END OF REPORT)