

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: P567426

Luminaire Tested: **8SNX-148HL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567426
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-148HL-SLW-UNV-L830-CD
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

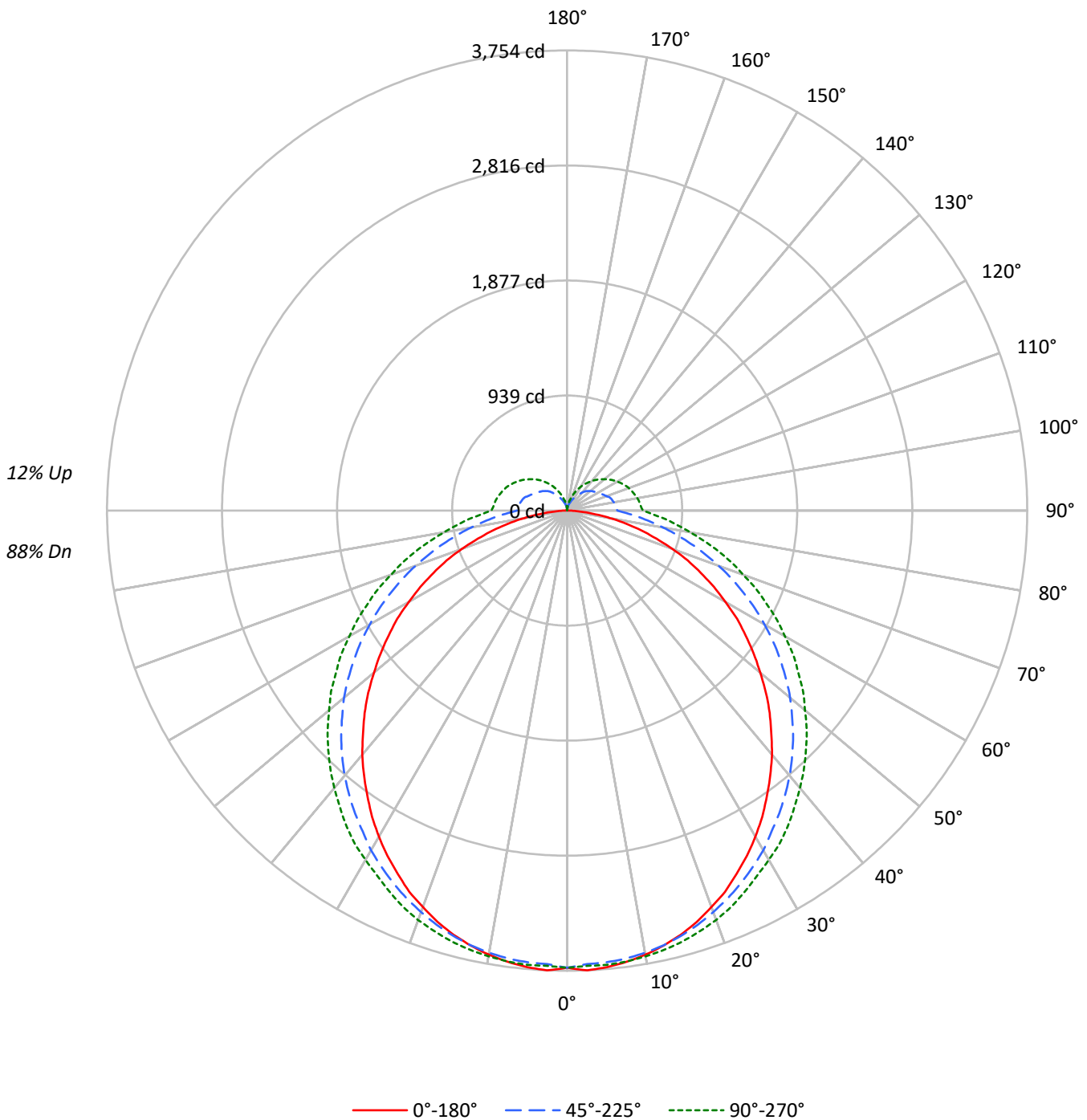
Lumens per Lamp: N/A
Luminaire Lumens: 13426.0 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 103.6
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°	20070	20070	20070
5°	20178	19571	19530
10°	20067	19196	19063
15°	19903	18791	18623
20°	19638	18346	18163
25°	19321	17899	17639
30°	18976	17450	17158
35°	18536	16946	16742
40°	18111	16487	16234
45°	17597	15976	15752
50°	16999	15433	15200
55°	16432	14796	14649
60°	15777	14106	14015
65°	14980	13318	13340
70°	13966	12428	12563
75°	12520	11403	11850
80°	10500	10390	10950
85°	7613	9497	10364



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.0	2.6
10°-20°	1018.4	7.6
20°-30°	1549.3	11.5
30°-40°	1883.8	14.0
40°-50°	1993.0	14.8
50°-60°	1868.1	13.9
60°-70°	1536.9	11.4
70°-80°	1063.4	7.9
80°-90°	591.3	4.4
90°-100°	389.6	2.9
100°-110°	349.3	2.6
110°-120°	289.1	2.2
120°-130°	223.5	1.7
130°-140°	158.2	1.2
140°-150°	95.4	0.7
150°-160°	45.8	0.3
160°-170°	15.0	0.1
170°-180°	1.8	0.0
0°-30°	2921.7	21.8
0°-40°	4805.5	35.8
0°-60°	8666.6	64.6
0°-90°	11858.1	88.3
90°-120°	1028.0	7.7
90°-150°	1505.2	11.2
90°-180°	1568.0	11.7
0°-180°	13426.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3729	3729	3729	3729	3729	
5°	3738	3732	3699	3729	3720	355
15°	3582	3594	3591	3640	3640	1010
25°	3269	3315	3354	3428	3430	1507
35°	2842	2918	3016	3113	3141	1778
45°	2336	2458	2607	2724	2757	1800
55°	1777	1936	2122	2256	2302	1591
65°	1202	1375	1589	1745	1793	1192
75°	625	807	1044	1209	1276	663
85°	138	343	579	740	805	159
90°	2	193	409	563	618	9
95°	2	184	398	545	598	2
105°	2	159	372	513	559	2
115°	5	138	315	455	506	4
125°	5	117	269	389	437	4
135°	5	92	225	320	359	4
145°	5	67	156	241	271	3
155°	7	46	97	154	179	3
165°	7	30	53	71	92	2
175°	7	12	16	16	9	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3729.2	3729.2	3729.2	3729.2	3729.2
2.5°	3754.5	3743.0	3703.9	3729.2	3717.7
5°	3738.4	3731.5	3699.3	3729.2	3720.0
7.5°	3713.1	3710.8	3685.5	3720.0	3710.8
10°	3678.6	3683.2	3662.5	3699.3	3692.4
12.5°	3635.0	3641.9	3632.7	3674.0	3669.4
15°	3582.1	3593.6	3591.3	3639.6	3639.6
17.5°	3517.7	3533.8	3543.0	3598.2	3598.2
20°	3441.8	3467.1	3485.5	3545.3	3554.5
22.5°	3366.0	3395.8	3423.4	3485.5	3499.3
25°	3269.4	3315.4	3354.5	3428.0	3430.3
27.5°	3175.1	3225.7	3278.6	3349.9	3356.8
30°	3071.7	3136.0	3200.4	3269.4	3290.1
32.5°	2961.3	3032.6	3103.9	3195.8	3223.4
35°	2841.8	2917.6	3016.5	3113.1	3140.6
37.5°	2722.2	2807.3	2922.2	3021.1	3046.4
40°	2600.3	2694.6	2823.4	2924.5	2954.4
42.5°	2464.7	2579.6	2717.6	2825.7	2860.1
45°	2335.9	2457.8	2607.2	2724.5	2756.7
47.5°	2200.3	2329.0	2490.0	2614.1	2650.9
50°	2055.4	2202.6	2375.0	2499.2	2533.7
52.5°	1919.8	2069.2	2250.9	2379.6	2427.9
55°	1777.2	1935.9	2122.1	2255.5	2301.5
57.5°	1643.9	1795.6	1995.7	2129.0	2186.5
60°	1492.1	1660.0	1860.0	2004.9	2050.8
62.5°	1349.6	1519.7	1726.7	1876.1	1929.0
65°	1202.5	1374.9	1588.7	1745.1	1793.3
67.5°	1064.5	1234.6	1453.1	1607.1	1669.2
70°	912.8	1092.1	1315.1	1473.8	1526.6
72.5°	763.3	949.5	1177.2	1347.3	1407.1
75°	625.4	807.0	1043.8	1209.4	1276.0
77.5°	492.0	676.0	915.1	1085.2	1142.7
80°	358.7	551.8	795.5	963.3	1018.5
82.5°	236.8	439.1	680.5	848.4	908.2
85°	137.9	342.6	579.4	740.3	804.7
87.5°	59.8	259.8	485.1	643.8	696.6
90°	2.3	193.1	409.2	563.3	618.5
92.5°	2.3	188.5	400.1	551.8	604.7
95°	2.3	183.9	397.8	544.9	597.8
97.5°	2.3	181.6	393.2	540.3	590.9
100°	2.3	174.7	386.3	531.1	581.7
102.5°	2.3	165.5	379.4	521.9	570.2
105°	2.3	158.6	372.5	512.7	558.7
107.5°	2.3	151.7	361.0	501.2	547.2
110°	2.3	144.8	342.6	489.7	535.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	142.5	328.8	473.6	521.9
115°	4.6	137.9	315.0	455.2	505.8
117.5°	4.6	135.6	303.5	436.8	489.7
120°	4.6	128.8	292.0	420.7	471.3
122.5°	4.6	121.9	280.5	404.7	455.2
125°	4.6	117.3	269.0	388.6	436.8
127.5°	4.6	110.4	259.8	372.5	416.1
130°	4.6	105.8	248.3	354.1	397.8
132.5°	4.6	98.9	236.8	335.7	377.1
135°	4.6	92.0	225.3	319.6	358.7
137.5°	4.6	82.8	211.5	301.2	338.0
140°	4.6	75.9	193.1	282.8	317.3
142.5°	4.6	71.3	174.7	262.1	294.3
145°	4.6	66.7	156.3	241.4	271.3
147.5°	4.6	62.1	140.2	220.7	248.3
150°	4.6	55.2	124.2	202.3	225.3
152.5°	6.9	50.6	110.4	179.3	202.3
155°	6.9	46.0	96.6	154.0	179.3
157.5°	6.9	41.4	82.8	128.8	156.3
160°	6.9	36.8	71.3	105.8	133.4
162.5°	6.9	34.5	62.1	87.4	112.7
165°	6.9	29.9	52.9	71.3	92.0
167.5°	6.9	23.0	43.7	55.2	75.9
170°	6.9	18.4	34.5	39.1	57.5
172.5°	6.9	13.8	25.3	27.6	29.9
175°	6.9	11.5	16.1	16.1	9.2
177.5°	6.9	9.2	9.2	9.2	4.6
180°	4.6	4.6	4.6	4.6	4.6

(END OF REPORT)