

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: P567566

Luminaire Tested: **8SNX-174HL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567566
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-174HL-LW-UNV-L930-CD
Description: 8FT 17400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

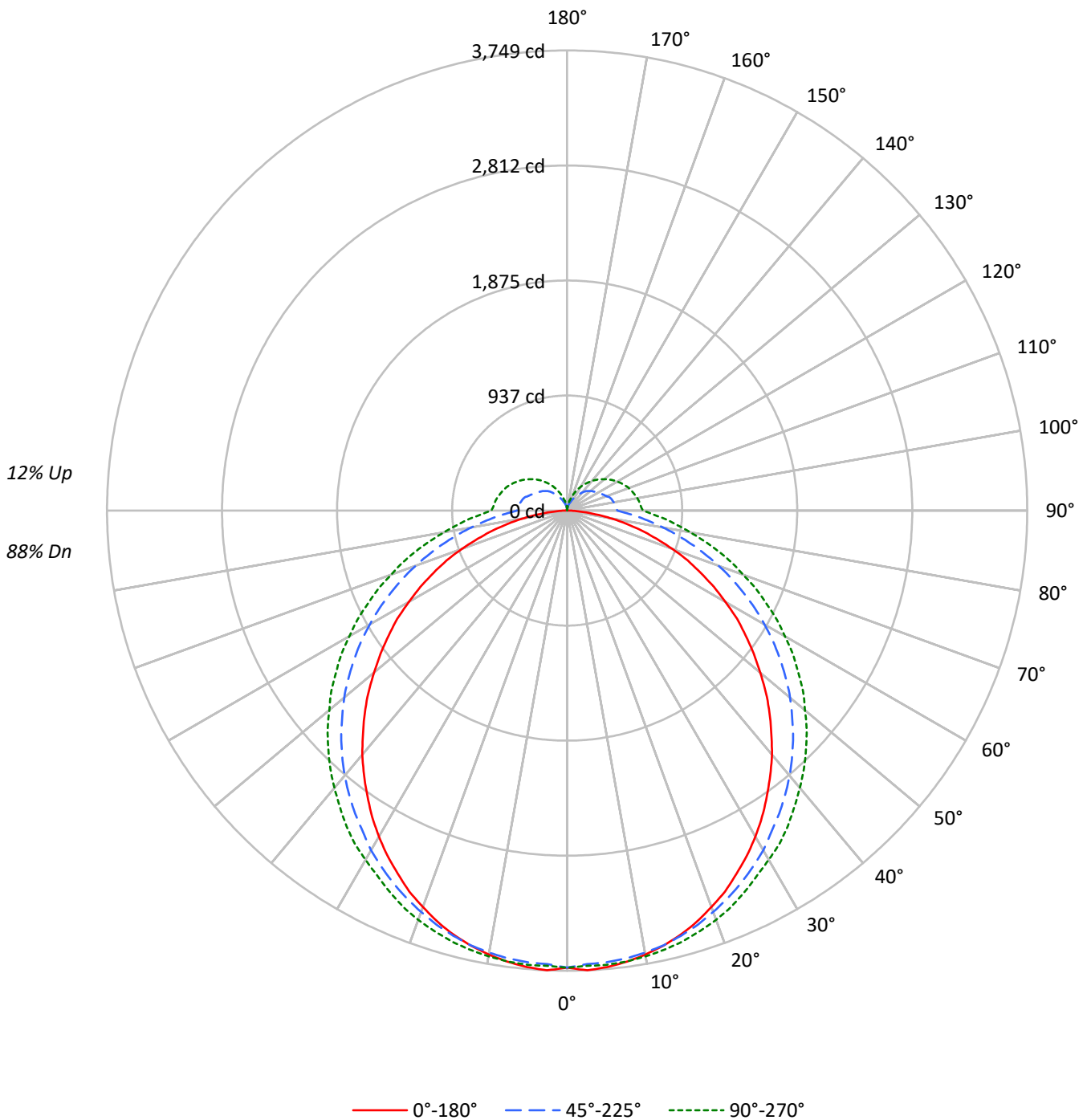
Lumens per Lamp: N/A
Luminaire Lumens: 13406.0 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 124.4
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°	20041	20041	20041
5°	20130	19142	18962
10°	20001	18408	18029
15°	19818	17677	17180
20°	19535	16936	16358
25°	19199	16215	15516
30°	18834	15507	14742
35°	18375	14764	14047
40°	17929	14068	13291
45°	17391	13333	12570
50°	16768	12572	11804
55°	16170	11735	11046
60°	15479	10853	10230
65°	14637	9890	9386
70°	13565	8847	8471
75°	12047	7701	7596
80°	9926	6552	6593
85°	6868	5448	5756



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.5	2.6
10°-20°	1016.9	7.6
20°-30°	1547.0	11.5
30°-40°	1881.0	14.0
40°-50°	1990.0	14.8
50°-60°	1865.4	13.9
60°-70°	1534.6	11.4
70°-80°	1061.8	7.9
80°-90°	590.4	4.4
90°-100°	389.0	2.9
100°-110°	348.8	2.6
110°-120°	288.7	2.2
120°-130°	223.2	1.7
130°-140°	158.0	1.2
140°-150°	95.3	0.7
150°-160°	45.8	0.3
160°-170°	15.0	0.1
170°-180°	1.8	0.0
0°-30°	2917.3	21.8
0°-40°	4798.3	35.8
0°-60°	8653.7	64.6
0°-90°	11840.5	88.3
90°-120°	1026.5	7.7
90°-150°	1503.0	11.2
90°-180°	1566.0	11.7
0°-180°	13406.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3724	3724	3724	3724	3724	
5°	3733	3726	3694	3724	3714	354
15°	3577	3588	3586	3634	3634	1008
25°	3264	3310	3350	3423	3425	1505
35°	2838	2913	3012	3108	3136	1776
45°	2332	2454	2603	2720	2753	1798
55°	1775	1933	2119	2252	2298	1589
65°	1201	1373	1586	1742	1791	1190
75°	624	806	1042	1208	1274	662
85°	138	342	578	739	804	159
90°	2	193	409	562	618	9
95°	2	184	397	544	597	2
105°	2	158	372	512	558	2
115°	5	138	314	455	505	4
125°	5	117	269	388	436	4
135°	5	92	225	319	358	4
145°	5	67	156	241	271	3
155°	7	46	96	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°	3723.7	3723.7	3723.7	3723.7	3723.7
2.5°	3748.9	3737.4	3698.4	3723.7	3712.2
5°	3732.9	3726.0	3693.8	3723.7	3714.5
7.5°	3707.6	3705.3	3680.0	3714.5	3705.3
10°	3673.2	3677.8	3657.1	3693.8	3686.9
12.5°	3629.5	3636.4	3627.2	3668.6	3664.0
15°	3576.7	3588.2	3585.9	3634.1	3634.1
17.5°	3512.5	3528.5	3537.7	3592.8	3592.8
20°	3436.7	3462.0	3480.3	3540.0	3549.2
22.5°	3360.9	3390.8	3418.3	3480.3	3494.1
25°	3264.5	3310.4	3349.5	3422.9	3425.2
27.5°	3170.4	3220.9	3273.7	3344.9	3351.8
30°	3067.1	3131.4	3195.7	3264.5	3285.2
32.5°	2956.9	3028.1	3099.2	3191.1	3218.6
35°	2837.5	2913.3	3012.0	3108.4	3136.0
37.5°	2718.1	2803.1	2917.9	3016.6	3041.8
40°	2596.5	2690.6	2819.2	2920.2	2950.0
42.5°	2461.0	2575.8	2713.5	2821.4	2855.9
45°	2332.5	2454.1	2603.4	2720.4	2752.6
47.5°	2197.0	2325.6	2486.3	2610.2	2647.0
50°	2052.4	2199.3	2371.5	2495.5	2529.9
52.5°	1916.9	2066.2	2247.5	2376.1	2424.3
55°	1774.6	1933.0	2119.0	2252.1	2298.0
57.5°	1641.4	1793.0	1992.7	2125.8	2183.2
60°	1489.9	1657.5	1857.2	2001.9	2047.8
62.5°	1347.6	1517.5	1724.1	1873.3	1926.1
65°	1200.7	1372.8	1586.3	1742.5	1790.7
67.5°	1062.9	1232.8	1450.9	1604.7	1666.7
70°	911.4	1090.5	1313.2	1471.6	1524.4
72.5°	762.2	948.1	1175.4	1345.3	1405.0
75°	624.4	805.8	1042.3	1207.6	1274.1
77.5°	491.3	674.9	913.7	1083.6	1141.0
80°	358.1	551.0	794.3	961.9	1017.0
82.5°	236.5	438.5	679.5	847.1	906.8
85°	137.7	342.1	578.5	739.2	803.5
87.5°	59.7	259.4	484.4	642.8	695.6
90°	2.3	192.8	408.6	562.5	617.6
92.5°	2.3	188.2	399.5	551.0	603.8
95°	2.3	183.7	397.2	544.1	596.9
97.5°	2.3	181.4	392.6	539.5	590.0
100°	2.3	174.5	385.7	530.3	580.8
102.5°	2.3	165.3	378.8	521.1	569.3
105°	2.3	158.4	371.9	511.9	557.9
107.5°	2.3	151.5	360.4	500.5	546.4
110°	2.3	144.6	342.1	489.0	534.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	142.3	328.3	472.9	521.1
115°	4.6	137.7	314.5	454.6	505.1
117.5°	4.6	135.4	303.0	436.2	489.0
120°	4.6	128.6	291.6	420.1	470.6
122.5°	4.6	121.7	280.1	404.0	454.6
125°	4.6	117.1	268.6	388.0	436.2
127.5°	4.6	110.2	259.4	371.9	415.5
130°	4.6	105.6	247.9	353.5	397.2
132.5°	4.6	98.7	236.5	335.2	376.5
135°	4.6	91.8	225.0	319.1	358.1
137.5°	4.6	82.6	211.2	300.7	337.5
140°	4.6	75.8	192.8	282.4	316.8
142.5°	4.6	71.2	174.5	261.7	293.9
145°	4.6	66.6	156.1	241.1	270.9
147.5°	4.6	62.0	140.0	220.4	247.9
150°	4.6	55.1	124.0	202.0	225.0
152.5°	6.9	50.5	110.2	179.1	202.0
155°	6.9	45.9	96.4	153.8	179.1
157.5°	6.9	41.3	82.6	128.6	156.1
160°	6.9	36.7	71.2	105.6	133.2
162.5°	6.9	34.4	62.0	87.2	112.5
165°	6.9	29.8	52.8	71.2	91.8
167.5°	6.9	23.0	43.6	55.1	75.8
170°	6.9	18.4	34.4	39.0	57.4
172.5°	6.9	13.8	25.3	27.5	29.8
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)