

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: P567577

Luminaire Tested: **8SNX-174HL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567577
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-SLW-UNV-L950-CD
Description: 8FT 17400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

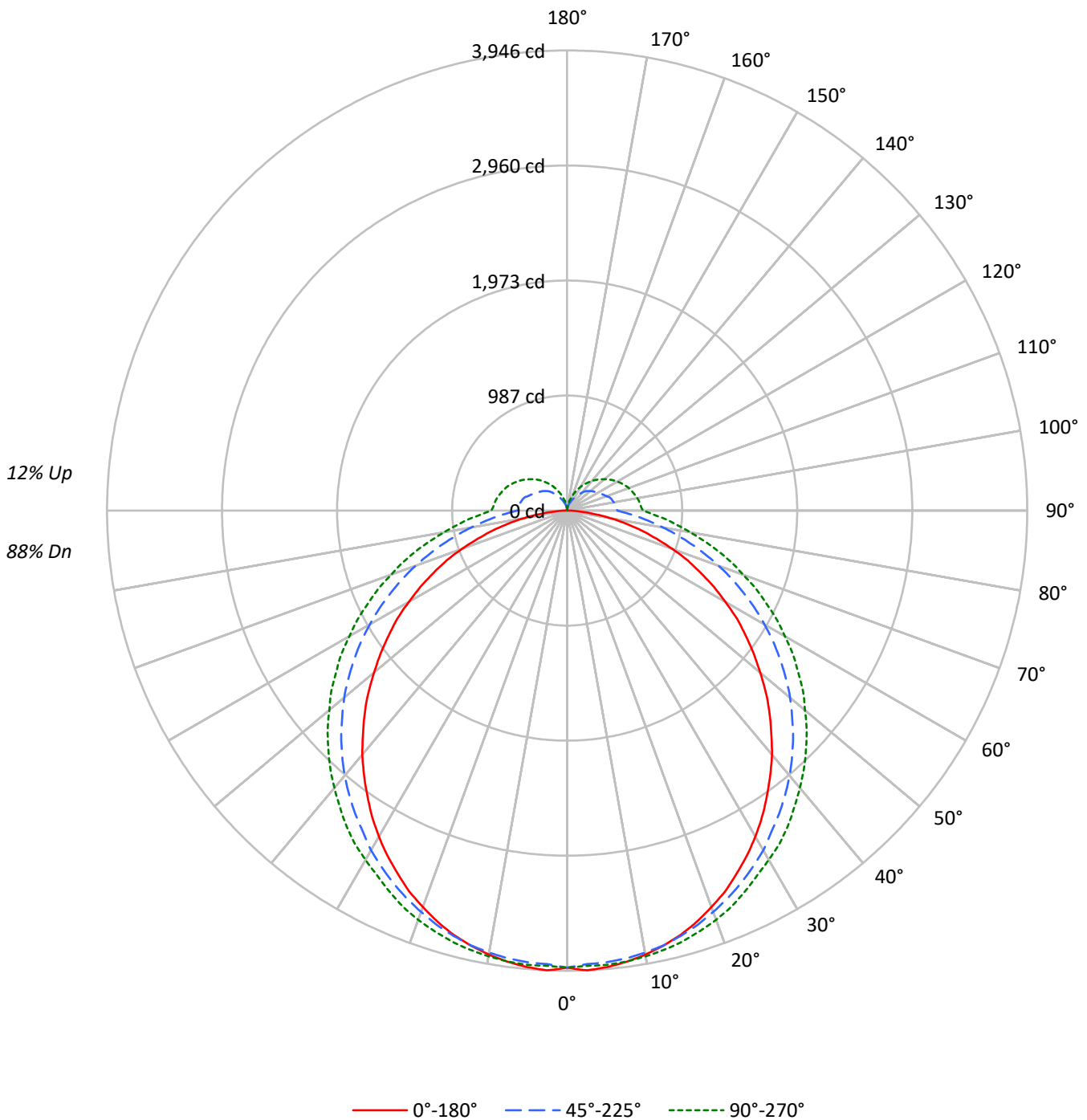
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14111.0 lumens
Efficiency: N/A
Efficacy: 113.4 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): 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°	21095	21095	21095
5°	21208	20570	20527
10°	21091	20176	20036
15°	20919	19750	19572
20°	20640	19282	19090
25°	20307	18812	18540
30°	19944	18340	18033
35°	19482	17811	17597
40°	19035	17328	17062
45°	18494	16792	16556
50°	17867	16220	15975
55°	17271	15551	15397
60°	16583	14826	14731
65°	15744	13997	14020
70°	14677	13062	13204
75°	13159	11985	12455
80°	11035	10920	11509
85°	8005	9981	10893



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.1	2.6
10°-20°	1070.4	7.6
20°-30°	1628.3	11.5
30°-40°	1979.9	14.0
40°-50°	2094.6	14.8
50°-60°	1963.5	13.9
60°-70°	1615.3	11.4
70°-80°	1117.6	7.9
80°-90°	621.5	4.4
90°-100°	409.4	2.9
100°-110°	367.1	2.6
110°-120°	303.9	2.2
120°-130°	234.9	1.7
130°-140°	166.3	1.2
140°-150°	100.3	0.7
150°-160°	48.2	0.3
160°-170°	15.8	0.1
170°-180°	1.9	0.0
0°-30°	3070.8	21.8
0°-40°	5050.6	35.8
0°-60°	9108.7	64.6
0°-90°	12463.1	88.3
90°-120°	1080.5	7.7
90°-150°	1582.0	11.2
90°-180°	1648.0	11.7
0°-180°	14111.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3920	3920	3920	3920	3920	
5°	3929	3922	3888	3920	3910	373
15°	3765	3777	3774	3825	3825	1061
25°	3436	3484	3526	3603	3605	1584
35°	2987	3066	3170	3272	3301	1869
45°	2455	2583	2740	2864	2897	1892
55°	1868	2035	2230	2370	2419	1672
65°	1264	1445	1670	1834	1885	1253
75°	657	848	1097	1271	1341	697
85°	145	360	609	778	846	167
90°	2	203	430	592	650	10
95°	2	193	418	573	628	2
105°	2	167	392	539	587	3
115°	5	145	331	478	532	4
125°	5	123	283	408	459	4
135°	5	97	237	336	377	4
145°	5	70	164	254	285	3
155°	7	48	102	162	188	3
165°	7	31	56	75	97	2
175°	7	12	17	17	10	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3919.5	3919.5	3919.5	3919.5	3919.5
2.5°	3946.1	3934.0	3892.9	3919.5	3907.4
5°	3929.2	3921.9	3888.1	3919.5	3909.8
7.5°	3902.6	3900.2	3873.6	3909.8	3900.2
10°	3866.3	3871.2	3849.4	3888.1	3880.8
12.5°	3820.4	3827.7	3818.0	3861.5	3856.7
15°	3764.8	3776.9	3774.5	3825.2	3825.2
17.5°	3697.2	3714.1	3723.8	3781.8	3781.8
20°	3617.4	3644.0	3663.3	3726.2	3735.8
22.5°	3537.7	3569.1	3598.1	3663.3	3677.8
25°	3436.2	3484.5	3525.6	3602.9	3605.4
27.5°	3337.1	3390.3	3445.9	3520.8	3528.0
30°	3228.4	3296.0	3363.7	3436.2	3457.9
32.5°	3112.4	3187.3	3262.2	3358.9	3387.9
35°	2986.7	3066.5	3170.4	3271.9	3300.9
37.5°	2861.1	2950.5	3071.3	3175.2	3201.8
40°	2733.0	2832.1	2967.4	3073.7	3105.1
42.5°	2590.4	2711.3	2856.2	2969.8	3006.1
45°	2455.1	2583.2	2740.3	2863.5	2897.3
47.5°	2312.5	2447.9	2617.0	2747.5	2786.2
50°	2160.3	2315.0	2496.2	2626.7	2662.9
52.5°	2017.7	2174.8	2365.7	2501.0	2551.8
55°	1867.9	2034.7	2230.4	2370.5	2418.9
57.5°	1727.8	1887.3	2097.5	2237.6	2298.0
60°	1568.3	1744.7	1954.9	2107.1	2155.5
62.5°	1418.5	1597.3	1814.8	1971.8	2027.4
65°	1263.8	1445.0	1669.8	1834.1	1884.8
67.5°	1118.8	1297.6	1527.2	1689.1	1754.3
70°	959.3	1147.8	1382.2	1548.9	1604.5
72.5°	802.3	998.0	1237.2	1416.0	1478.9
75°	657.3	848.2	1097.1	1271.1	1341.1
77.5°	517.1	710.4	961.7	1140.6	1201.0
80°	377.0	579.9	836.1	1012.5	1070.5
82.5°	248.9	461.5	715.3	891.7	954.5
85°	145.0	360.1	608.9	778.1	845.8
87.5°	62.8	273.1	509.9	676.6	732.2
90°	2.4	203.0	430.1	592.0	650.0
92.5°	2.4	198.1	420.5	579.9	635.5
95°	2.4	193.3	418.0	572.7	628.3
97.5°	2.4	190.9	413.2	567.9	621.0
100°	2.4	183.7	406.0	558.2	611.4
102.5°	2.4	174.0	398.7	548.5	599.3
105°	2.4	166.7	391.5	538.9	587.2
107.5°	2.4	159.5	379.4	526.8	575.1
110°	2.4	152.2	360.1	514.7	563.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	149.8	345.6	497.8	548.5
115°	4.8	145.0	331.1	478.5	531.6
117.5°	4.8	142.6	319.0	459.1	514.7
120°	4.8	135.3	306.9	442.2	495.4
122.5°	4.8	128.1	294.8	425.3	478.5
125°	4.8	123.2	282.7	408.4	459.1
127.5°	4.8	116.0	273.1	391.5	437.4
130°	4.8	111.2	261.0	372.1	418.0
132.5°	4.8	103.9	248.9	352.8	396.3
135°	4.8	96.7	236.8	335.9	377.0
137.5°	4.8	87.0	222.3	316.6	355.2
140°	4.8	79.7	203.0	297.2	333.5
142.5°	4.8	74.9	183.7	275.5	309.3
145°	4.8	70.1	164.3	253.7	285.1
147.5°	4.8	65.2	147.4	232.0	261.0
150°	4.8	58.0	130.5	212.6	236.8
152.5°	7.2	53.2	116.0	188.5	212.6
155°	7.2	48.3	101.5	161.9	188.5
157.5°	7.2	43.5	87.0	135.3	164.3
160°	7.2	38.7	74.9	111.2	140.2
162.5°	7.2	36.2	65.2	91.8	118.4
165°	7.2	31.4	55.6	74.9	96.7
167.5°	7.2	24.2	45.9	58.0	79.7
170°	7.2	19.3	36.2	41.1	60.4
172.5°	7.2	14.5	26.6	29.0	31.4
175°	7.2	12.1	16.9	16.9	9.7
177.5°	7.2	9.7	9.7	9.7	4.8
180°	4.8	4.8	4.8	4.8	4.8

(END OF REPORT)