

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: P567575

Luminaire Tested: **8SNX-174HL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567575
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-L935-CD
Description: 8FT 17400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

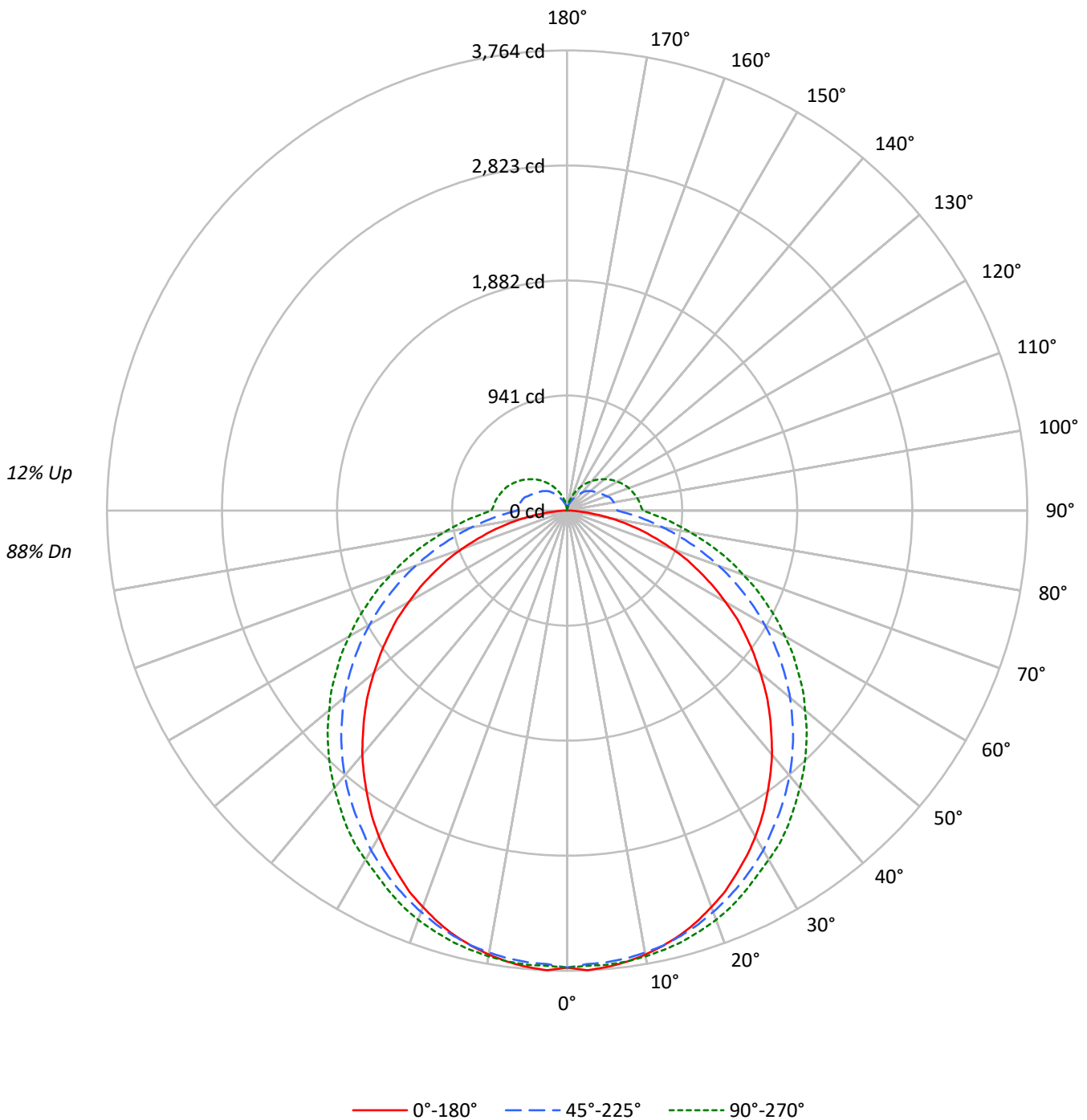
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13459.0 lumens
Efficiency: N/A
Efficacy: 108.2 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	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°	20120	20120	20120
5°	20228	19619	19578
10°	20116	19244	19110
15°	19952	18837	18668
20°	19687	18391	18208
25°	19369	17943	17683
30°	19022	17493	17200
35°	18581	16988	16784
40°	18156	16527	16274
45°	17640	16015	15791
50°	17042	15471	15237
55°	16473	14832	14685
60°	15816	14141	14050
65°	15016	13350	13372
70°	13999	12458	12594
75°	12550	11431	11880
80°	10523	10416	10977
85°	7635	9520	10389



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.9	2.6
10°-20°	1020.9	7.6
20°-30°	1553.1	11.5
30°-40°	1888.4	14.0
40°-50°	1997.9	14.8
50°-60°	1872.7	13.9
60°-70°	1540.6	11.4
70°-80°	1066.0	7.9
80°-90°	592.8	4.4
90°-100°	390.5	2.9
100°-110°	350.2	2.6
110°-120°	289.9	2.2
120°-130°	224.1	1.7
130°-140°	158.6	1.2
140°-150°	95.7	0.7
150°-160°	46.0	0.3
160°-170°	15.0	0.1
170°-180°	1.8	0.0
0°-30°	2928.9	21.8
0°-40°	4817.3	35.8
0°-60°	8687.9	64.6
0°-90°	11887.3	88.3
90°-120°	1030.5	7.7
90°-150°	1508.9	11.2
90°-180°	1572.0	11.7
0°-180°	13459.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3738	3738	3738	3738	3738	
5°	3748	3741	3708	3738	3729	356
15°	3591	3602	3600	3648	3648	1012
25°	3277	3324	3363	3436	3439	1511
35°	2849	2925	3024	3121	3148	1783
45°	2342	2464	2614	2731	2764	1805
55°	1782	1941	2127	2261	2307	1595
65°	1205	1378	1593	1749	1798	1195
75°	627	809	1046	1212	1279	665
85°	138	343	581	742	807	159
90°	2	194	410	565	620	9
95°	2	184	399	546	599	2
105°	2	159	373	514	560	2
115°	5	138	316	456	507	4
125°	5	118	270	390	438	4
135°	5	92	226	320	360	4
145°	5	67	157	242	272	3
155°	7	46	97	154	180	3
165°	7	30	53	71	92	2
175°	7	12	16	16	9	1
180°	5	5	5	5	5	



TEST NUMBER: P567575

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3738.4	3738.4	3738.4	3738.4	3738.4
2.5°	3763.7	3752.2	3713.0	3738.4	3726.9
5°	3747.6	3740.7	3708.4	3738.4	3729.2
7.5°	3722.3	3720.0	3694.6	3729.2	3720.0
10°	3687.7	3692.3	3671.6	3708.4	3701.5
12.5°	3643.9	3650.8	3641.6	3683.1	3678.5
15°	3590.9	3602.4	3600.1	3648.5	3648.5
17.5°	3526.3	3542.5	3551.7	3607.0	3607.0
20°	3450.3	3475.6	3494.1	3554.0	3563.2
22.5°	3374.2	3404.2	3431.9	3494.1	3507.9
25°	3277.4	3323.5	3362.7	3436.5	3438.8
27.5°	3182.9	3233.6	3286.6	3358.1	3365.0
30°	3079.2	3143.8	3208.3	3277.4	3298.2
32.5°	2968.6	3040.0	3111.5	3203.7	3231.3
35°	2848.7	2924.8	3023.9	3120.7	3148.4
37.5°	2728.9	2814.2	2929.4	3028.5	3053.9
40°	2606.7	2701.2	2830.3	2931.7	2961.7
42.5°	2470.7	2586.0	2724.3	2832.6	2867.2
45°	2341.7	2463.8	2613.6	2731.2	2763.5
47.5°	2205.7	2334.8	2496.1	2620.6	2657.4
50°	2060.5	2208.0	2380.9	2505.3	2539.9
52.5°	1924.5	2074.3	2256.4	2385.5	2433.9
55°	1781.6	1940.6	2127.3	2261.0	2307.1
57.5°	1647.9	1800.1	2000.6	2134.2	2191.9
60°	1495.8	1664.1	1864.6	2009.8	2055.9
62.5°	1352.9	1523.5	1730.9	1880.7	1933.7
65°	1205.4	1378.3	1592.6	1749.3	1797.7
67.5°	1067.1	1237.7	1456.6	1611.1	1673.3
70°	915.0	1094.8	1318.3	1477.4	1530.4
72.5°	765.2	951.9	1180.1	1350.6	1410.5
75°	626.9	809.0	1046.4	1212.3	1279.2
77.5°	493.2	677.6	917.3	1087.9	1145.5
80°	359.5	553.2	797.5	965.7	1021.0
82.5°	237.4	440.2	682.2	850.5	910.4
85°	138.3	343.4	580.8	742.1	806.7
87.5°	59.9	260.4	486.3	645.3	698.4
90°	2.3	193.6	410.3	564.7	620.0
92.5°	2.3	189.0	401.0	553.2	606.2
95°	2.3	184.4	398.7	546.2	599.2
97.5°	2.3	182.1	394.1	541.6	592.3
100°	2.3	175.2	387.2	532.4	583.1
102.5°	2.3	165.9	380.3	523.2	571.6
105°	2.3	159.0	373.4	514.0	560.1
107.5°	2.3	152.1	361.9	502.4	548.5
110°	2.3	145.2	343.4	490.9	537.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	142.9	329.6	474.8	523.2
115°	4.6	138.3	315.8	456.4	507.1
117.5°	4.6	136.0	304.2	437.9	490.9
120°	4.6	129.1	292.7	421.8	472.5
122.5°	4.6	122.2	281.2	405.6	456.4
125°	4.6	117.5	269.7	389.5	437.9
127.5°	4.6	110.6	260.4	373.4	417.2
130°	4.6	106.0	248.9	354.9	398.7
132.5°	4.6	99.1	237.4	336.5	378.0
135°	4.6	92.2	225.9	320.4	359.5
137.5°	4.6	83.0	212.0	301.9	338.8
140°	4.6	76.1	193.6	283.5	318.1
142.5°	4.6	71.4	175.2	262.7	295.0
145°	4.6	66.8	156.7	242.0	272.0
147.5°	4.6	62.2	140.6	221.3	248.9
150°	4.6	55.3	124.5	202.8	225.9
152.5°	6.9	50.7	110.6	179.8	202.8
155°	6.9	46.1	96.8	154.4	179.8
157.5°	6.9	41.5	83.0	129.1	156.7
160°	6.9	36.9	71.4	106.0	133.7
162.5°	6.9	34.6	62.2	87.6	112.9
165°	6.9	30.0	53.0	71.4	92.2
167.5°	6.9	23.0	43.8	55.3	76.1
170°	6.9	18.4	34.6	39.2	57.6
172.5°	6.9	13.8	25.4	27.7	30.0
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)