

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: P566792

Luminaire Tested: **4SNX-74HL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566792
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: 4SNX-74HL-SLW-UNV-L840-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

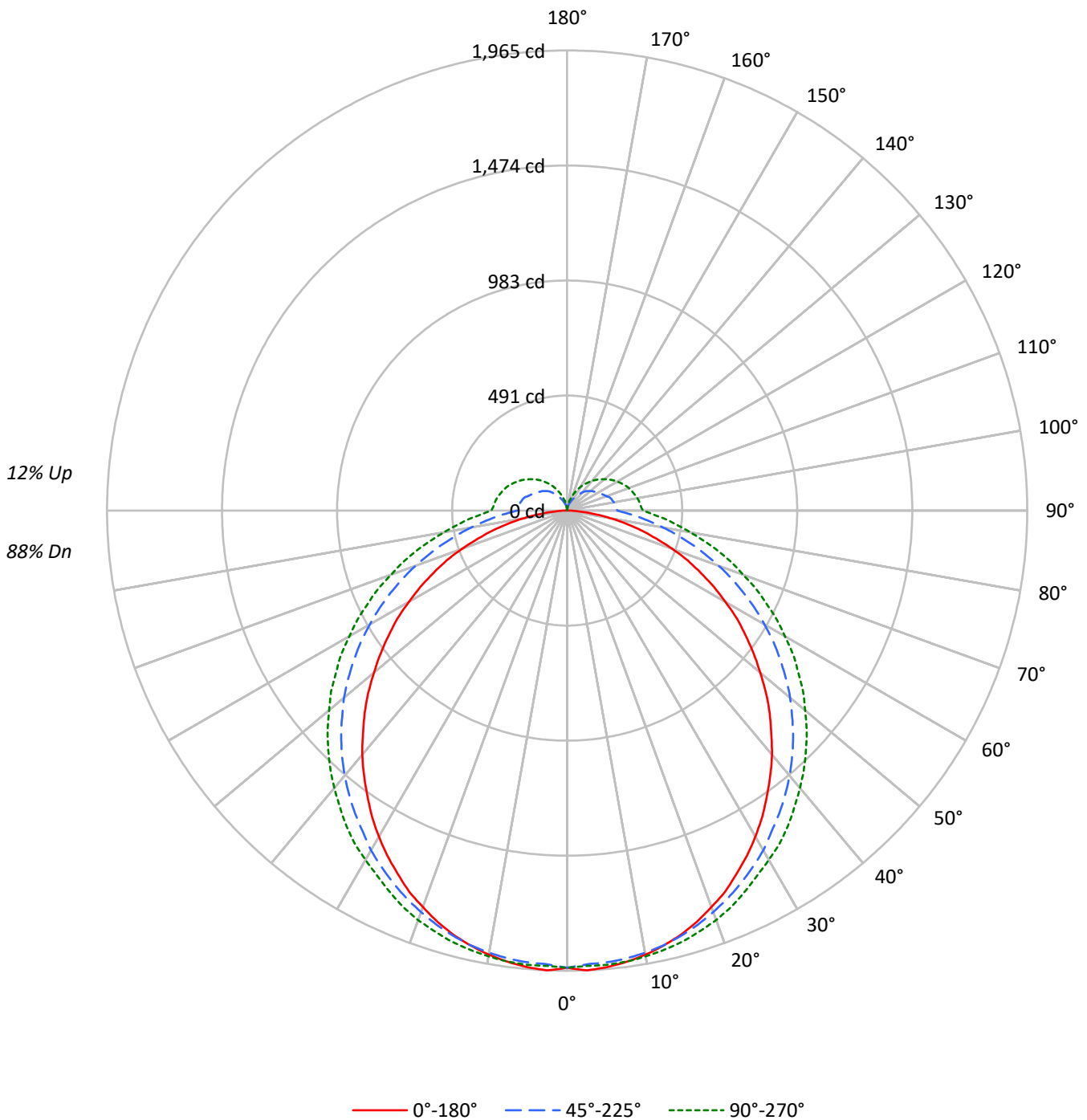
Lumens per Lamp: N/A
Luminaire Lumens: 7028.0 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 51.8
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°	21012	21012	21012
5°	21106	20477	20447
10°	20970	20072	19958
15°	20780	19636	19496
20°	20483	19160	19015
25°	20131	18681	18467
30°	19748	18201	17962
35°	19266	17664	17528
40°	18799	17172	16996
45°	18236	16628	16491
50°	17582	16048	15913
55°	16956	15370	15336
60°	16232	14636	14673
65°	15348	13799	13965
70°	14226	12855	13152
75°	12637	11769	12408
80°	10410	10690	11465
85°	7207	9727	10849



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.3	2.6
10°-20°	533.1	7.6
20°-30°	811.0	11.5
30°-40°	986.1	14.0
40°-50°	1043.2	14.8
50°-60°	977.9	13.9
60°-70°	804.5	11.4
70°-80°	556.7	7.9
80°-90°	309.5	4.4
90°-100°	203.9	2.9
100°-110°	182.9	2.6
110°-120°	151.3	2.2
120°-130°	117.0	1.7
130°-140°	82.8	1.2
140°-150°	50.0	0.7
150°-160°	24.0	0.3
160°-170°	7.9	0.1
170°-180°	1.0	0.0
0°-30°	1529.4	21.8
0°-40°	2515.5	35.8
0°-60°	4536.6	64.6
0°-90°	6207.3	88.3
90°-120°	538.1	7.7
90°-150°	787.9	11.2
90°-180°	821.0	11.7
0°-180°	7028.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1952	1952	1952	1952	1952	
5°	1957	1953	1936	1952	1947	186
15°	1875	1881	1880	1905	1905	529
25°	1711	1736	1756	1794	1796	789
35°	1488	1527	1579	1630	1644	931
45°	1223	1287	1365	1426	1443	942
55°	930	1013	1111	1181	1205	833
65°	629	720	832	914	939	624
75°	327	422	546	633	668	347
85°	72	179	303	388	421	83
90°	1	101	214	295	324	5
95°	1	96	208	285	313	1
105°	1	83	195	268	292	1
115°	2	72	165	238	265	2
125°	2	61	141	203	229	2
135°	2	48	118	167	188	2
145°	2	35	82	126	142	2
155°	4	24	50	81	94	2
165°	4	16	28	37	48	1
175°	4	6	8	8	5	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1952.1	1952.1	1952.1	1952.1	1952.1
2.5°	1965.3	1959.3	1938.9	1952.1	1946.1
5°	1956.9	1953.3	1936.5	1952.1	1947.3
7.5°	1943.7	1942.5	1929.2	1947.3	1942.5
10°	1925.6	1928.0	1917.2	1936.5	1932.9
12.5°	1902.8	1906.4	1901.6	1923.2	1920.8
15°	1875.1	1881.1	1879.9	1905.2	1905.2
17.5°	1841.4	1849.8	1854.6	1883.5	1883.5
20°	1801.7	1814.9	1824.5	1855.8	1860.6
22.5°	1762.0	1777.6	1792.0	1824.5	1831.8
25°	1711.4	1735.5	1755.9	1794.4	1795.6
27.5°	1662.1	1688.5	1716.2	1753.5	1757.1
30°	1607.9	1641.6	1675.3	1711.4	1722.2
32.5°	1550.1	1587.4	1624.7	1672.9	1687.3
35°	1487.5	1527.3	1579.0	1629.6	1644.0
37.5°	1425.0	1469.5	1529.7	1581.4	1594.7
40°	1361.2	1410.5	1477.9	1530.9	1546.5
42.5°	1290.2	1350.3	1422.6	1479.1	1497.2
45°	1222.8	1286.6	1364.8	1426.2	1443.0
47.5°	1151.8	1219.2	1303.4	1368.4	1387.7
50°	1075.9	1153.0	1243.2	1308.2	1326.3
52.5°	1004.9	1083.2	1178.2	1245.6	1270.9
55°	930.3	1013.4	1110.8	1180.7	1204.7
57.5°	860.5	939.9	1044.7	1114.5	1144.5
60°	781.1	868.9	973.6	1049.5	1073.5
62.5°	706.5	795.5	903.8	982.1	1009.8
65°	629.4	719.7	831.6	913.5	938.7
67.5°	557.2	646.3	760.6	841.3	873.8
70°	477.8	571.7	688.4	771.5	799.1
72.5°	399.6	497.1	616.2	705.3	736.6
75°	327.4	422.4	546.4	633.1	668.0
77.5°	257.6	353.8	479.0	568.1	598.1
80°	187.7	288.8	416.4	504.3	533.2
82.5°	124.0	229.9	356.2	444.1	475.4
85°	72.2	179.3	303.3	387.5	421.2
87.5°	31.3	136.0	253.9	337.0	364.7
90°	1.2	101.1	214.2	294.9	323.7
92.5°	1.2	98.7	209.4	288.8	316.5
95°	1.2	96.3	208.2	285.2	312.9
97.5°	1.2	95.1	205.8	282.8	309.3
100°	1.2	91.5	202.2	278.0	304.5
102.5°	1.2	86.7	198.6	273.2	298.5
105°	1.2	83.0	195.0	268.4	292.5
107.5°	1.2	79.4	189.0	262.4	286.4
110°	1.2	75.8	179.3	256.3	280.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	74.6	172.1	247.9	273.2
115°	2.4	72.2	164.9	238.3	264.8
117.5°	2.4	71.0	158.9	228.7	256.3
120°	2.4	67.4	152.8	220.2	246.7
122.5°	2.4	63.8	146.8	211.8	238.3
125°	2.4	61.4	140.8	203.4	228.7
127.5°	2.4	57.8	136.0	195.0	217.8
130°	2.4	55.4	130.0	185.3	208.2
132.5°	2.4	51.8	124.0	175.7	197.4
135°	2.4	48.1	117.9	167.3	187.7
137.5°	2.4	43.3	110.7	157.7	176.9
140°	2.4	39.7	101.1	148.0	166.1
142.5°	2.4	37.3	91.5	137.2	154.1
145°	2.4	34.9	81.8	126.4	142.0
147.5°	2.4	32.5	73.4	115.5	130.0
150°	2.4	28.9	65.0	105.9	117.9
152.5°	3.6	26.5	57.8	93.9	105.9
155°	3.6	24.1	50.5	80.6	93.9
157.5°	3.6	21.7	43.3	67.4	81.8
160°	3.6	19.3	37.3	55.4	69.8
162.5°	3.6	18.1	32.5	45.7	59.0
165°	3.6	15.6	27.7	37.3	48.1
167.5°	3.6	12.0	22.9	28.9	39.7
170°	3.6	9.6	18.1	20.5	30.1
172.5°	3.6	7.2	13.2	14.4	15.6
175°	3.6	6.0	8.4	8.4	4.8
177.5°	3.6	4.8	4.8	4.8	2.4
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)