

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: P566775

Luminaire Tested: **4SNX-74HL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-74HL-LN-UNV-L835-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

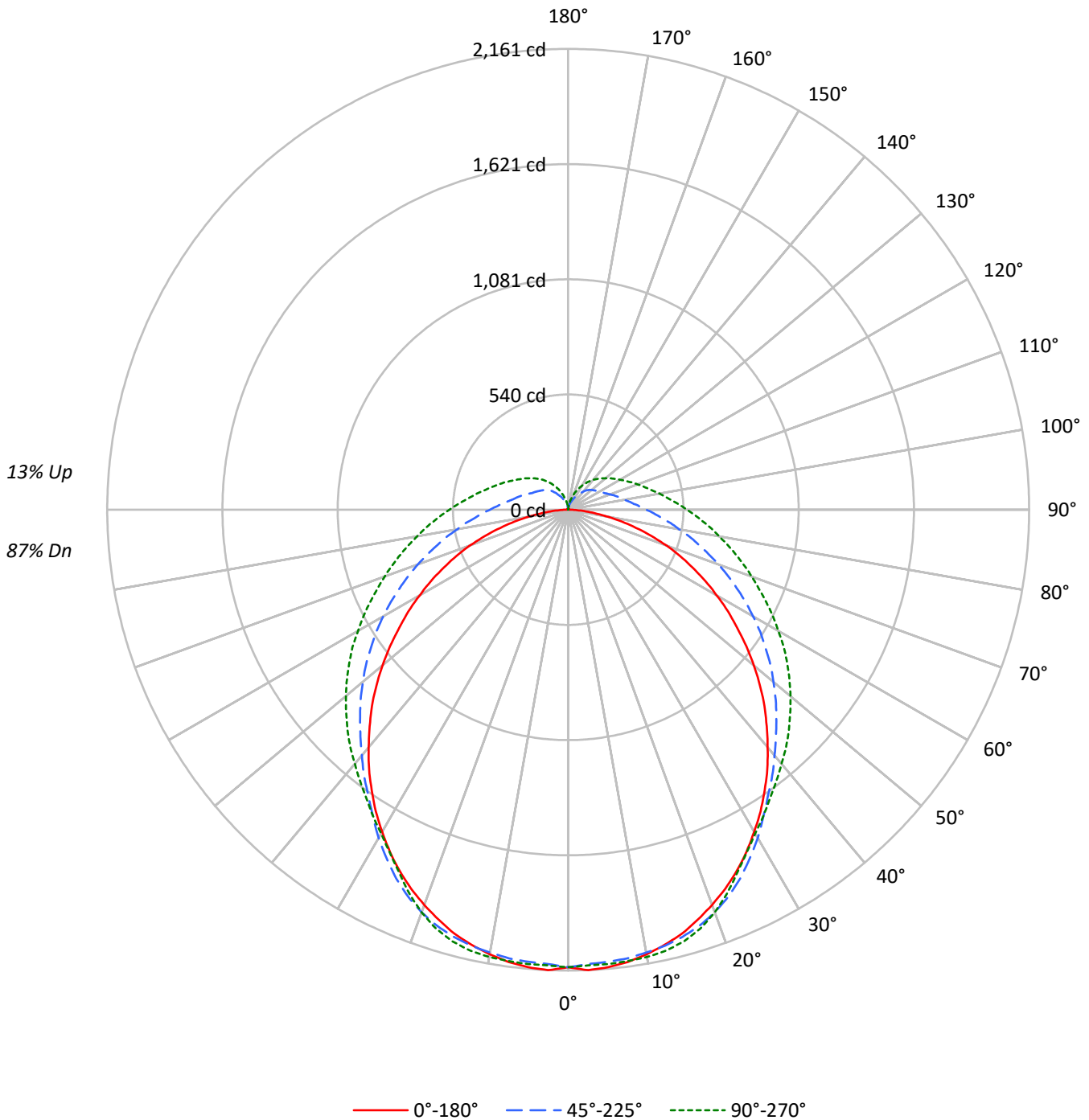
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7745.0 lumens
Efficiency: N/A
Efficacy: 149.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
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

TEST NUMBER: P566775
CATALOG NUMBER: 4SNX-74HL-LN-UNV-L835-CD

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	104	104	104	96	96	96	90	90	90	87
1	104	98	93	89	100	95	90	86	88	84	81	82	79	76	76	74	72	68
2	94	85	77	71	90	82	75	69	76	70	66	71	66	62	66	62	59	56
3	85	74	65	58	81	71	63	57	66	60	54	62	56	52	58	53	49	46
4	78	65	56	49	74	63	55	48	59	52	46	55	49	44	51	46	42	39
5	71	58	49	42	68	56	48	41	53	45	40	49	43	38	46	41	36	34
6	66	52	43	37	63	51	42	36	47	40	35	44	38	33	42	36	32	29
7	61	47	38	32	58	46	38	32	43	36	30	41	34	29	38	33	28	26
8	57	43	35	29	54	42	34	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	32	27	23	21
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23094	23094	23094
5°	23183	22032	21837
10°	22966	21178	20830
15°	22689	20370	19813
20°	22254	19464	18519
25°	21784	18368	16999
30°	21163	17141	15732
35°	20503	15890	14786
40°	19751	14886	14021
45°	19015	13996	13359
50°	18141	13177	12694
55°	17117	12354	12042
60°	16135	11533	11361
65°	15043	10707	10736
70°	13795	9930	10172
75°	11863	9173	9707
80°	9351	8519	9312
85°	6258	8055	9086



TEST NUMBER: P566775

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.8	2.6
10°-20°	586.0	7.6
20°-30°	872.6	11.3
30°-40°	1029.6	13.3
40°-50°	1073.8	13.9
50°-60°	1009.1	13.0
60°-70°	852.2	11.0
70°-80°	643.9	8.3
80°-90°	443.8	5.7
90°-100°	310.6	4.0
100°-110°	231.8	3.0
110°-120°	174.7	2.3
120°-130°	130.3	1.7
130°-140°	91.5	1.2
140°-150°	55.3	0.7
150°-160°	26.4	0.3
160°-170°	8.5	0.1
170°-180°	1.0	0.0
0°-30°	1662.4	21.5
0°-40°	2692.1	34.8
0°-60°	4775.0	61.7
0°-90°	6714.9	86.7
90°-120°	717.1	9.3
90°-150°	994.2	12.8
90°-180°	1030.0	13.3
0°-180°	7745.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2146	2146	2146	2146	2146	
5°	2153	2149	2128	2144	2139	204
15°	2059	2068	2073	2100	2096	580
25°	1870	1908	1908	1891	1876	860
35°	1606	1665	1633	1647	1650	1004
45°	1301	1366	1380	1436	1463	1002
55°	966	1049	1129	1220	1253	867
65°	643	746	872	986	1024	639
75°	330	457	633	766	814	351
85°	75	235	439	583	634	84
90°	1	167	366	507	557	5
95°	1	130	310	444	490	1
105°	3	93	239	347	386	3
115°	3	80	185	276	311	3
125°	4	68	156	226	255	3
135°	4	52	130	184	206	3
145°	5	38	91	140	158	3
155°	5	25	55	89	104	2
165°	7	16	29	39	52	2
175°	7	7	8	8	4	1
180°	4	4	4	4	4	



TEST NUMBER: P566775

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2145.5	2145.5	2145.5	2145.5	2145.5
2.5°	2161.3	2156.0	2132.4	2145.5	2138.9
5°	2153.4	2149.4	2128.4	2144.2	2138.9
7.5°	2138.9	2137.6	2121.9	2140.3	2135.0
10°	2116.6	2120.6	2108.7	2133.7	2129.8
12.5°	2090.4	2098.2	2094.3	2121.9	2117.9
15°	2058.8	2068.0	2073.3	2099.6	2095.6
17.5°	2016.8	2033.9	2045.7	2066.7	2060.2
20°	1972.2	1995.8	2009.0	2019.5	2009.0
22.5°	1923.6	1955.1	1963.0	1957.7	1947.2
25°	1869.8	1907.8	1907.8	1890.8	1876.3
27.5°	1809.4	1856.6	1843.5	1823.8	1812.0
30°	1743.7	1800.2	1777.9	1755.5	1752.9
32.5°	1678.1	1737.2	1704.3	1699.1	1703.0
35°	1605.8	1664.9	1633.4	1646.6	1650.5
37.5°	1533.6	1592.7	1571.7	1591.4	1603.2
40°	1454.8	1517.9	1504.7	1540.2	1556.0
42.5°	1377.4	1443.0	1441.7	1487.7	1511.3
45°	1301.2	1365.6	1380.0	1436.5	1462.7
47.5°	1218.5	1284.2	1319.6	1385.3	1411.5
50°	1137.1	1208.0	1256.6	1330.1	1360.3
52.5°	1053.1	1127.9	1194.9	1276.3	1307.8
55°	966.4	1049.1	1129.2	1219.8	1252.6
57.5°	888.9	973.0	1067.5	1160.7	1198.8
60°	803.6	896.8	1000.5	1099.0	1137.1
62.5°	726.1	822.0	937.5	1041.2	1081.9
65°	643.4	745.8	871.9	986.1	1024.2
67.5°	567.2	672.3	810.1	925.7	967.7
70°	488.5	600.1	749.7	871.9	915.2
72.5°	407.0	525.2	689.3	819.3	864.0
75°	329.6	456.9	632.9	765.5	814.1
77.5°	257.4	391.3	581.7	718.2	765.5
80°	186.5	332.2	527.8	669.7	718.2
82.5°	123.4	281.0	484.5	626.3	677.5
85°	74.8	235.0	438.6	583.0	634.2
87.5°	34.1	197.0	401.8	544.9	594.8
90°	1.3	166.8	366.3	506.8	556.7
92.5°	1.3	145.7	337.5	474.0	522.6
95°	1.3	130.0	309.9	443.8	489.8
97.5°	1.3	119.5	288.9	414.9	459.6
100°	1.3	109.0	267.9	388.7	434.6
102.5°	2.6	99.8	252.1	365.0	408.4
105°	2.6	93.2	239.0	346.6	386.0
107.5°	2.6	89.3	224.5	328.3	365.0
110°	2.6	85.3	208.8	309.9	346.6



TEST NUMBER: P566775

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.6	82.7	197.0	294.1	329.6
115°	2.6	80.1	185.1	275.7	311.2
117.5°	2.6	78.8	178.6	261.3	295.4
120°	3.9	74.8	170.7	248.2	281.0
122.5°	3.9	70.9	162.8	237.7	266.5
125°	3.9	68.3	156.3	225.8	254.7
127.5°	3.9	64.3	149.7	215.3	241.6
130°	3.9	60.4	144.4	204.8	229.8
132.5°	3.9	56.5	137.9	194.3	218.0
135°	3.9	52.5	130.0	183.8	206.1
137.5°	3.9	48.6	122.1	173.3	194.3
140°	3.9	44.6	111.6	162.8	182.5
142.5°	3.9	40.7	101.1	152.3	169.4
145°	5.3	38.1	90.6	140.5	157.6
147.5°	5.3	34.1	80.1	128.7	143.1
150°	5.3	31.5	72.2	116.9	130.0
152.5°	5.3	27.6	64.3	103.7	116.9
155°	5.3	24.9	55.1	89.3	103.7
157.5°	5.3	22.3	47.3	74.8	90.6
160°	5.3	21.0	40.7	61.7	77.5
162.5°	6.6	18.4	34.1	49.9	64.3
165°	6.6	15.8	28.9	39.4	52.5
167.5°	6.6	13.1	23.6	30.2	40.7
170°	6.6	10.5	18.4	21.0	31.5
172.5°	6.6	7.9	13.1	14.4	15.8
175°	6.6	6.6	7.9	7.9	3.9
177.5°	6.6	6.6	5.3	3.9	1.3
180°	3.9	3.9	3.9	3.9	3.9

(END OF REPORT)