

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: P566778

Luminaire Tested: **4SNX-74HL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566778
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-L930-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

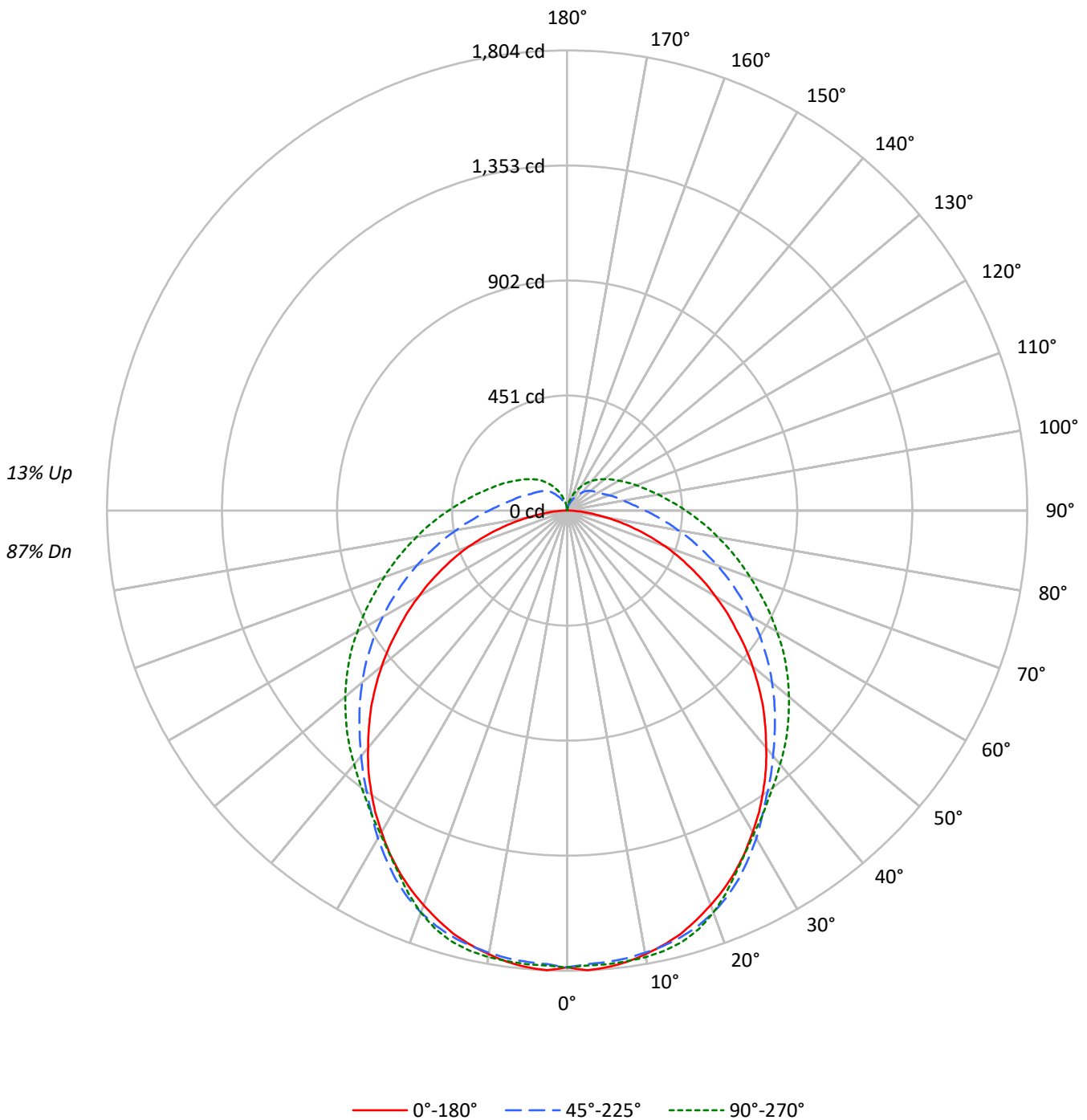
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6464.0 lumens
Efficiency: N/A
Efficacy: 124.8 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

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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	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°	19274	19274	19274
5°	19348	18388	18226
10°	19167	17676	17384
15°	18937	17001	16536
20°	18573	16245	15456
25°	18180	15331	14188
30°	17663	14305	13130
35°	17111	13263	12340
40°	16485	12425	11701
45°	15870	11682	11150
50°	15140	10997	10594
55°	14287	10310	10051
60°	13467	9626	9481
65°	12555	8936	8961
70°	11513	8287	8489
75°	9901	7656	8101
80°	7802	7110	7771
85°	5229	6721	7583



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.1	2.6
10°-20°	489.1	7.6
20°-30°	728.3	11.3
30°-40°	859.3	13.3
40°-50°	896.2	13.9
50°-60°	842.2	13.0
60°-70°	711.2	11.0
70°-80°	537.4	8.3
80°-90°	370.4	5.7
90°-100°	259.2	4.0
100°-110°	193.4	3.0
110°-120°	145.8	2.3
120°-130°	108.8	1.7
130°-140°	76.3	1.2
140°-150°	46.2	0.7
150°-160°	22.1	0.3
160°-170°	7.1	0.1
170°-180°	0.8	0.0
0°-30°	1387.5	21.5
0°-40°	2246.8	34.8
0°-60°	3985.2	61.7
0°-90°	5604.3	86.7
90°-120°	598.5	9.3
90°-150°	829.8	12.8
90°-180°	860.0	13.3
0°-180°	6464.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1791	1791	1791	1791	1791	
5°	1797	1794	1776	1790	1785	171
15°	1718	1726	1730	1752	1749	484
25°	1560	1592	1592	1578	1566	718
35°	1340	1390	1363	1374	1378	838
45°	1086	1140	1152	1199	1221	836
55°	807	876	942	1018	1046	724
65°	537	622	728	823	855	533
75°	275	381	528	639	679	293
85°	62	196	366	487	529	70
90°	1	139	306	423	465	4
95°	1	108	259	370	409	1
105°	2	78	199	289	322	2
115°	2	67	154	230	260	2
125°	3	57	130	188	213	3
135°	3	44	108	153	172	3
145°	4	32	76	117	132	2
155°	4	21	46	74	87	2
165°	6	13	24	33	44	2
175°	6	6	7	7	3	1
180°	3	3	3	3	3	



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CATALOG NUMBER: 4SNX-74HL-LN-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1790.6	1790.6	1790.6	1790.6	1790.6
2.5°	1803.8	1799.4	1779.7	1790.6	1785.2
5°	1797.2	1793.9	1776.4	1789.6	1785.2
7.5°	1785.2	1784.1	1770.9	1786.3	1781.9
10°	1766.5	1769.8	1760.0	1780.8	1777.5
12.5°	1744.6	1751.2	1747.9	1770.9	1767.6
15°	1718.3	1726.0	1730.4	1752.3	1749.0
17.5°	1683.3	1697.5	1707.4	1724.9	1719.4
20°	1646.0	1665.7	1676.7	1685.4	1676.7
22.5°	1605.4	1631.7	1638.3	1633.9	1625.2
25°	1560.5	1592.3	1592.3	1578.0	1566.0
27.5°	1510.1	1549.6	1538.6	1522.2	1512.3
30°	1455.3	1502.4	1483.8	1465.2	1463.0
32.5°	1400.5	1449.8	1422.4	1418.1	1421.3
35°	1340.2	1389.6	1363.3	1374.2	1377.5
37.5°	1280.0	1329.3	1311.8	1328.2	1338.1
40°	1214.2	1266.8	1255.9	1285.5	1298.6
42.5°	1149.6	1204.4	1203.3	1241.6	1261.3
45°	1086.0	1139.7	1151.8	1198.9	1220.8
47.5°	1017.0	1071.8	1101.3	1156.1	1178.1
50°	949.0	1008.2	1048.7	1110.1	1135.3
52.5°	878.9	941.4	997.2	1065.2	1091.5
55°	806.6	875.6	942.4	1018.1	1045.5
57.5°	741.9	812.0	890.9	968.7	1000.5
60°	670.7	748.5	835.1	917.2	949.0
62.5°	606.0	686.0	782.4	869.0	903.0
65°	537.0	622.5	727.7	823.0	854.8
67.5°	473.4	561.1	676.2	772.6	807.7
70°	407.7	500.8	625.7	727.7	763.8
72.5°	339.7	438.3	575.3	683.8	721.1
75°	275.1	381.4	528.2	638.9	679.4
77.5°	214.8	326.6	485.5	599.4	638.9
80°	155.6	277.3	440.5	558.9	599.4
82.5°	103.0	234.5	404.4	522.7	565.5
85°	62.5	196.2	366.0	486.6	529.3
87.5°	28.5	164.4	335.3	454.8	496.4
90°	1.1	139.2	305.7	423.0	464.6
92.5°	1.1	121.6	281.6	395.6	436.2
95°	1.1	108.5	258.6	370.4	408.8
97.5°	1.1	99.7	241.1	346.3	383.6
100°	1.1	91.0	223.6	324.4	362.7
102.5°	2.2	83.3	210.4	304.7	340.8
105°	2.2	77.8	199.4	289.3	322.2
107.5°	2.2	74.5	187.4	274.0	304.7
110°	2.2	71.2	174.2	258.6	289.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	69.0	164.4	245.5	275.1
115°	2.2	66.8	154.5	230.1	259.7
117.5°	2.2	65.8	149.0	218.1	246.6
120°	3.3	62.5	142.5	207.1	234.5
122.5°	3.3	59.2	135.9	198.4	222.5
125°	3.3	57.0	130.4	188.5	212.6
127.5°	3.3	53.7	124.9	179.7	201.6
130°	3.3	50.4	120.5	171.0	191.8
132.5°	3.3	47.1	115.1	162.2	181.9
135°	3.3	43.8	108.5	153.4	172.1
137.5°	3.3	40.5	101.9	144.7	162.2
140°	3.3	37.3	93.1	135.9	152.3
142.5°	3.3	34.0	84.4	127.1	141.4
145°	4.4	31.8	75.6	117.3	131.5
147.5°	4.4	28.5	66.8	107.4	119.4
150°	4.4	26.3	60.3	97.5	108.5
152.5°	4.4	23.0	53.7	86.6	97.5
155°	4.4	20.8	46.0	74.5	86.6
157.5°	4.4	18.6	39.5	62.5	75.6
160°	4.4	17.5	34.0	51.5	64.7
162.5°	5.5	15.3	28.5	41.6	53.7
165°	5.5	13.2	24.1	32.9	43.8
167.5°	5.5	11.0	19.7	25.2	34.0
170°	5.5	8.8	15.3	17.5	26.3
172.5°	5.5	6.6	11.0	12.1	13.2
175°	5.5	5.5	6.6	6.6	3.3
177.5°	5.5	5.5	4.4	3.3	1.1
180°	3.3	3.3	3.3	3.3	3.3

(END OF REPORT)