

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: P566762

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566762
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-FDL-UNV-L930-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

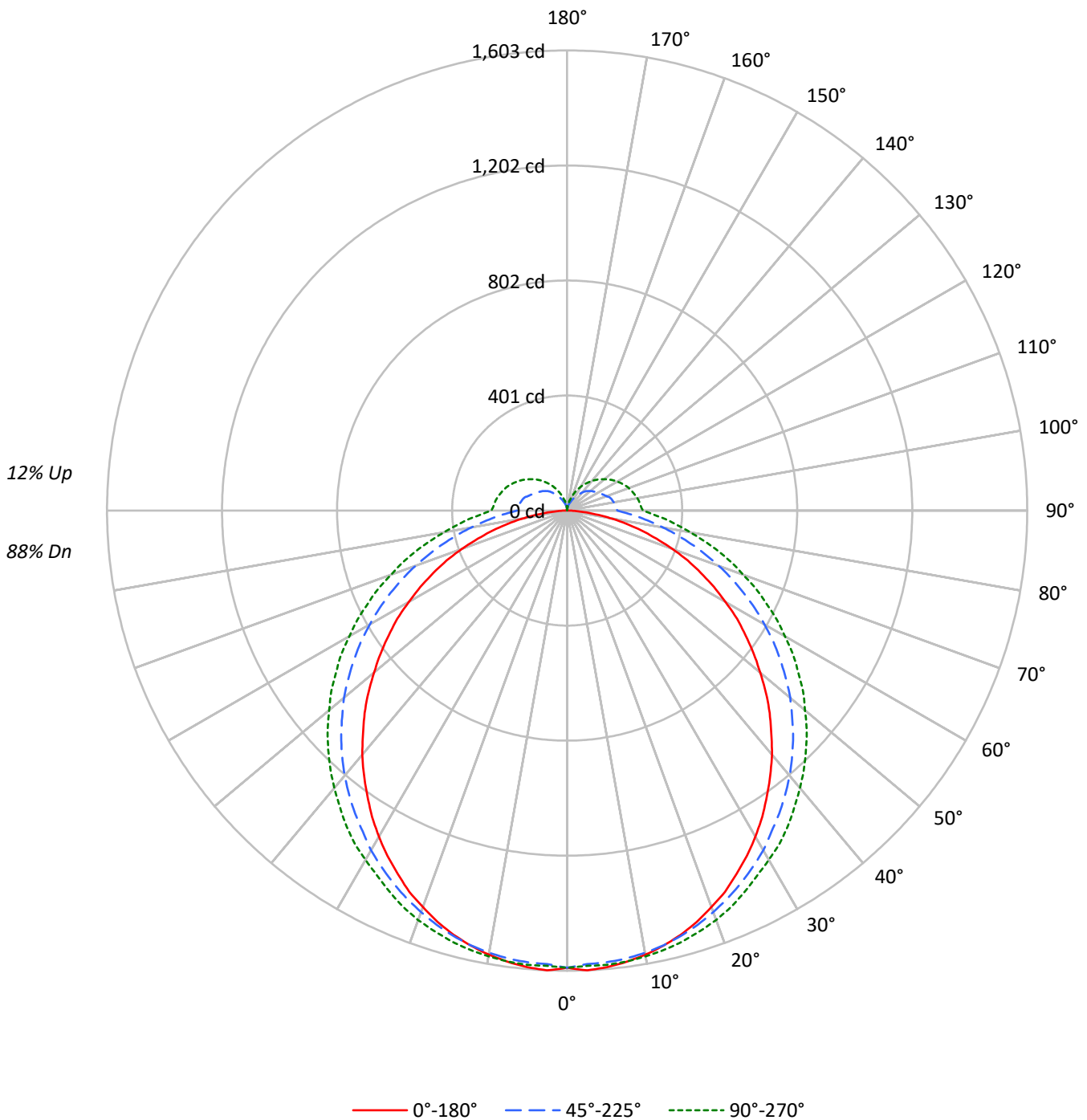
Lumens per Lamp: N/A
Luminaire Lumens: 5733.0 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Semi-Direct

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°	17140	17140	17140
5°	17232	16883	16917
10°	17137	16724	16741
15°	16998	16534	16578
20°	16771	16305	16392
25°	16501	16074	16142
30°	16205	15840	15929
35°	15829	15562	15781
40°	15467	15330	15552
45°	15028	15061	15359
50°	14517	14778	15115
55°	14033	14426	14896
60°	13474	14050	14629
65°	12793	13621	14369
70°	11926	13150	14072
75°	10689	12633	13971
80°	8967	12313	13859
85°	6500	12567	14608



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.2	2.6
10°-20°	434.9	7.6
20°-30°	661.6	11.5
30°-40°	804.4	14.0
40°-50°	851.0	14.8
50°-60°	797.7	13.9
60°-70°	656.3	11.4
70°-80°	454.1	7.9
80°-90°	252.5	4.4
90°-100°	166.3	2.9
100°-110°	149.2	2.6
110°-120°	123.5	2.2
120°-130°	95.4	1.7
130°-140°	67.6	1.2
140°-150°	40.8	0.7
150°-160°	19.6	0.3
160°-170°	6.4	0.1
170°-180°	0.8	0.0
0°-30°	1247.6	21.8
0°-40°	2052.0	35.8
0°-60°	3700.7	64.6
0°-90°	5063.5	88.3
90°-120°	439.0	7.7
90°-150°	642.7	11.2
90°-180°	670.0	11.7
0°-180°	5733.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1592	1592	1592	1592	1592	
5°	1596	1593	1580	1592	1588	152
15°	1530	1534	1534	1554	1554	431
25°	1396	1416	1432	1464	1465	644
35°	1213	1246	1288	1329	1341	759
45°	998	1050	1113	1163	1177	769
55°	759	827	906	963	983	679
65°	514	587	678	745	766	509
75°	267	345	446	516	545	283
85°	59	146	247	316	344	68
90°	1	82	175	240	264	4
95°	1	78	170	233	255	1
105°	1	68	159	219	239	1
115°	2	59	134	194	216	2
125°	2	50	115	166	186	2
135°	2	39	96	136	153	2
145°	2	28	67	103	116	1
155°	3	20	41	66	77	1
165°	3	13	23	30	39	1
175°	3	5	7	7	4	0
180°	2	2	2	2	2	



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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1592.4	1592.4	1592.4	1592.4	1592.4
2.5°	1603.2	1598.3	1581.6	1592.4	1587.5
5°	1596.3	1593.4	1579.6	1592.4	1588.5
7.5°	1585.5	1584.6	1573.8	1588.5	1584.6
10°	1570.8	1572.8	1563.9	1579.6	1576.7
12.5°	1552.2	1555.1	1551.2	1568.8	1566.9
15°	1529.6	1534.5	1533.5	1554.1	1554.1
17.5°	1502.1	1509.0	1512.9	1536.4	1536.4
20°	1469.7	1480.5	1488.3	1513.9	1517.8
22.5°	1437.3	1450.1	1461.8	1488.3	1494.2
25°	1396.1	1415.7	1432.4	1463.8	1464.8
27.5°	1355.8	1377.4	1400.0	1430.4	1433.4
30°	1311.6	1339.1	1366.6	1396.1	1404.9
32.5°	1264.5	1294.9	1325.4	1364.6	1376.4
35°	1213.4	1245.8	1288.1	1329.3	1341.1
37.5°	1162.4	1198.7	1247.8	1290.0	1300.8
40°	1110.4	1150.6	1205.6	1248.8	1261.6
42.5°	1052.4	1101.5	1160.4	1206.6	1221.3
45°	997.5	1049.5	1113.3	1163.4	1177.1
47.5°	939.5	994.5	1063.2	1116.3	1132.0
50°	877.7	940.5	1014.2	1067.2	1081.9
52.5°	819.8	883.6	961.1	1016.1	1036.7
55°	758.9	826.6	906.2	963.1	982.7
57.5°	702.0	766.8	852.2	909.1	933.6
60°	637.2	708.8	794.2	856.1	875.7
62.5°	576.3	648.9	737.3	801.1	823.7
65°	513.5	587.1	678.4	745.2	765.8
67.5°	454.6	527.2	620.5	686.2	712.8
70°	389.8	466.3	561.6	629.3	651.9
72.5°	325.9	405.5	502.7	575.3	600.8
75°	267.0	344.6	445.7	516.4	544.9
77.5°	210.1	288.6	390.7	463.4	487.9
80°	153.2	235.6	339.7	411.4	434.9
82.5°	101.1	187.5	290.6	362.3	387.8
85°	58.9	146.3	247.4	316.1	343.6
87.5°	25.5	110.9	207.2	274.9	297.5
90°	1.0	82.5	174.8	240.5	264.1
92.5°	1.0	80.5	170.8	235.6	258.2
95°	1.0	78.5	169.8	232.7	255.3
97.5°	1.0	77.6	167.9	230.7	252.3
100°	1.0	74.6	164.9	226.8	248.4
102.5°	1.0	70.7	162.0	222.9	243.5
105°	1.0	67.7	159.0	218.9	238.6
107.5°	1.0	64.8	154.1	214.0	233.7
110°	1.0	61.9	146.3	209.1	228.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	60.9	140.4	202.2	222.9
115°	2.0	58.9	134.5	194.4	216.0
117.5°	2.0	57.9	129.6	186.5	209.1
120°	2.0	55.0	124.7	179.7	201.3
122.5°	2.0	52.0	119.8	172.8	194.4
125°	2.0	50.1	114.9	165.9	186.5
127.5°	2.0	47.1	110.9	159.0	177.7
130°	2.0	45.2	106.0	151.2	169.8
132.5°	2.0	42.2	101.1	143.3	161.0
135°	2.0	39.3	96.2	136.5	153.2
137.5°	2.0	35.3	90.3	128.6	144.3
140°	2.0	32.4	82.5	120.8	135.5
142.5°	2.0	30.4	74.6	111.9	125.7
145°	2.0	28.5	66.8	103.1	115.8
147.5°	2.0	26.5	59.9	94.2	106.0
150°	2.0	23.6	53.0	86.4	96.2
152.5°	2.9	21.6	47.1	76.6	86.4
155°	2.9	19.6	41.2	65.8	76.6
157.5°	2.9	17.7	35.3	55.0	66.8
160°	2.9	15.7	30.4	45.2	56.9
162.5°	2.9	14.7	26.5	37.3	48.1
165°	2.9	12.8	22.6	30.4	39.3
167.5°	2.9	9.8	18.7	23.6	32.4
170°	2.9	7.9	14.7	16.7	24.5
172.5°	2.9	5.9	10.8	11.8	12.8
175°	2.9	4.9	6.9	6.9	3.9
177.5°	2.9	3.9	3.9	3.9	2.0
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)