

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: P566794

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566794
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-L930-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

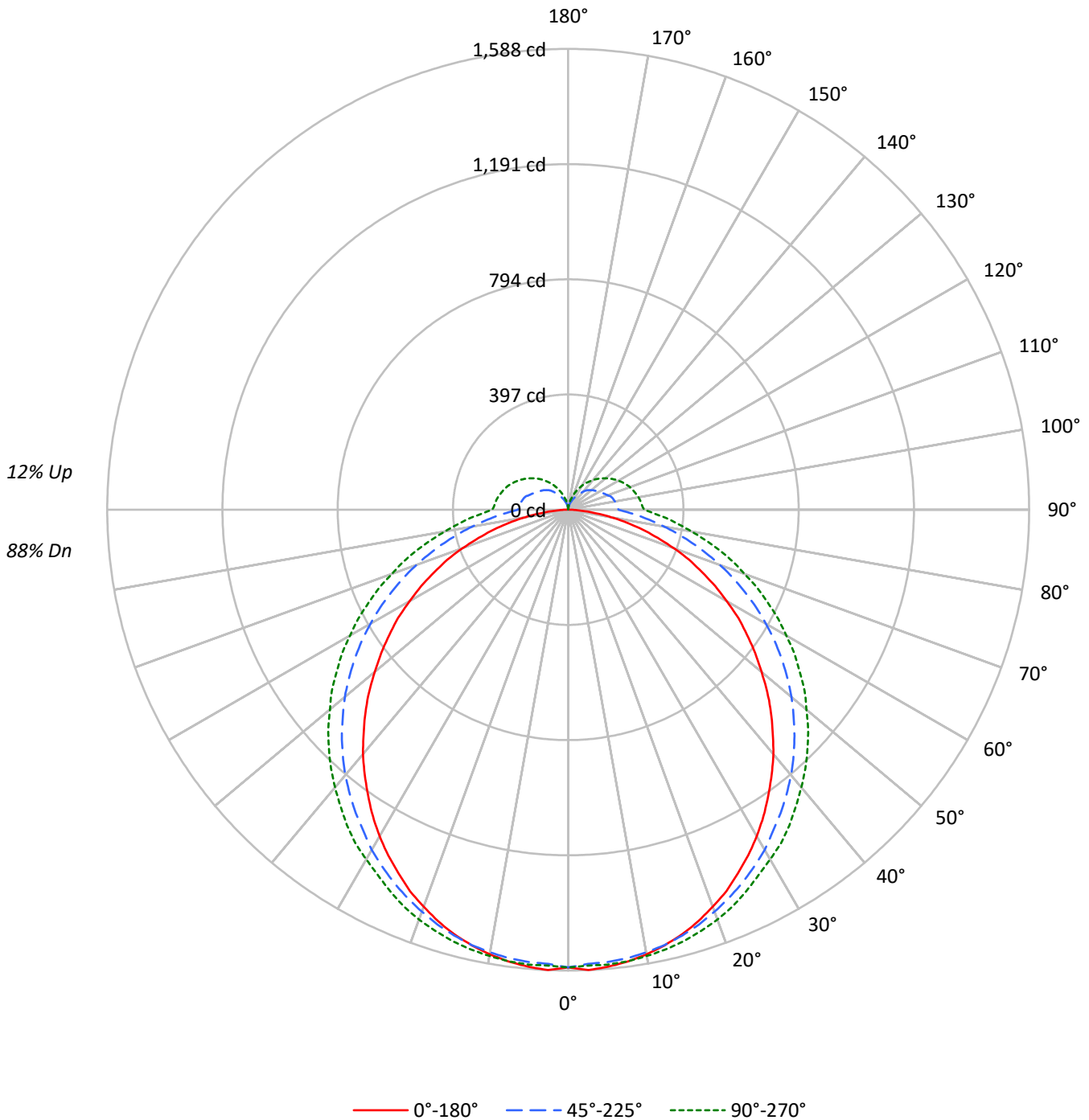
Lumens per Lamp: N/A
Luminaire Lumens: 5678.0 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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°	16976	16976	16976
5°	17052	16543	16519
10°	16942	16216	16124
15°	16788	15865	15751
20°	16549	15480	15362
25°	16264	15093	14920
30°	15954	14705	14512
35°	15566	14271	14161
40°	15188	13874	13732
45°	14733	13434	13323
50°	14206	12965	12856
55°	13699	12419	12390
60°	13113	11825	11854
65°	12400	11149	11283
70°	11493	10387	10626
75°	10210	9507	10023
80°	8413	8636	9261
85°	5820	7857	8765



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.7	2.6
10°-20°	430.7	7.6
20°-30°	655.2	11.5
30°-40°	796.7	14.0
40°-50°	842.8	14.8
50°-60°	790.1	13.9
60°-70°	650.0	11.4
70°-80°	449.7	7.9
80°-90°	250.1	4.4
90°-100°	164.8	2.9
100°-110°	147.7	2.6
110°-120°	122.3	2.2
120°-130°	94.5	1.7
130°-140°	66.9	1.2
140°-150°	40.4	0.7
150°-160°	19.4	0.3
160°-170°	6.3	0.1
170°-180°	0.8	0.0
0°-30°	1235.6	21.8
0°-40°	2032.3	35.8
0°-60°	3665.2	64.6
0°-90°	5014.9	88.3
90°-120°	434.8	7.7
90°-150°	636.6	11.2
90°-180°	663.0	11.7
0°-180°	5678.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1577	1577	1577	1577	1577	
5°	1581	1578	1564	1577	1573	150
15°	1515	1520	1519	1539	1539	427
25°	1383	1402	1419	1450	1451	637
35°	1202	1234	1276	1316	1328	752
45°	988	1039	1103	1152	1166	761
55°	752	819	898	954	973	673
65°	508	582	672	738	758	504
75°	264	341	441	511	540	281
85°	58	145	245	313	340	67
90°	1	82	173	238	262	4
95°	1	78	168	230	253	1
105°	1	67	158	217	236	1
115°	2	58	133	192	214	2
125°	2	50	114	164	185	2
135°	2	39	95	135	152	1
145°	2	28	66	102	115	1
155°	3	19	41	65	76	1
165°	3	13	22	30	39	1
175°	3	5	7	7	4	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1577.1	1577.1	1577.1	1577.1	1577.1
2.5°	1587.8	1583.0	1566.4	1577.1	1572.3
5°	1581.0	1578.1	1564.5	1577.1	1573.2
7.5°	1570.3	1569.4	1558.7	1573.2	1569.4
10°	1555.7	1557.7	1548.9	1564.5	1561.6
12.5°	1537.3	1540.2	1536.3	1553.8	1551.8
15°	1514.9	1519.8	1518.8	1539.2	1539.2
17.5°	1487.7	1494.5	1498.4	1521.7	1521.7
20°	1455.6	1466.3	1474.1	1499.3	1503.2
22.5°	1423.5	1436.1	1447.8	1474.1	1479.9
25°	1382.7	1402.1	1418.6	1449.8	1450.7
27.5°	1342.8	1364.2	1386.6	1416.7	1419.6
30°	1299.0	1326.3	1353.5	1382.7	1391.4
32.5°	1252.4	1282.5	1312.7	1351.5	1363.2
35°	1201.8	1233.9	1275.7	1316.5	1328.2
37.5°	1151.2	1187.2	1235.8	1277.6	1288.3
40°	1099.7	1139.6	1194.0	1236.8	1249.5
42.5°	1042.3	1091.0	1149.3	1195.0	1209.6
45°	987.9	1039.4	1102.6	1152.2	1165.8
47.5°	930.5	985.0	1053.0	1105.5	1121.1
50°	869.3	931.5	1004.4	1056.9	1071.5
52.5°	811.9	875.1	951.9	1006.4	1026.8
55°	751.6	818.7	897.5	953.9	973.3
57.5°	695.2	759.4	844.0	900.4	924.7
60°	631.0	702.0	786.6	847.9	867.3
62.5°	570.8	642.7	730.2	793.4	815.8
65°	508.5	581.5	671.9	738.0	758.4
67.5°	450.2	522.1	614.5	679.7	705.9
70°	386.0	461.9	556.2	623.3	645.6
72.5°	322.8	401.6	497.8	569.8	595.1
75°	264.5	341.3	441.4	511.4	539.6
77.5°	208.1	285.9	387.0	458.9	483.3
80°	151.7	233.4	336.4	407.4	430.7
82.5°	100.2	185.7	287.8	358.8	384.1
85°	58.3	144.9	245.0	313.1	340.3
87.5°	25.3	109.9	205.2	272.3	294.6
90°	1.0	81.7	173.1	238.2	261.6
92.5°	1.0	79.7	169.2	233.4	255.7
95°	1.0	77.8	168.2	230.4	252.8
97.5°	1.0	76.8	166.3	228.5	249.9
100°	1.0	73.9	163.4	224.6	246.0
102.5°	1.0	70.0	160.4	220.7	241.1
105°	1.0	67.1	157.5	216.8	236.3
107.5°	1.0	64.2	152.7	212.0	231.4
110°	1.0	61.3	144.9	207.1	226.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	60.3	139.0	200.3	220.7
115°	1.9	58.3	133.2	192.5	213.9
117.5°	1.9	57.4	128.3	184.7	207.1
120°	1.9	54.5	123.5	177.9	199.3
122.5°	1.9	51.5	118.6	171.1	192.5
125°	1.9	49.6	113.8	164.3	184.7
127.5°	1.9	46.7	109.9	157.5	176.0
130°	1.9	44.7	105.0	149.7	168.2
132.5°	1.9	41.8	100.2	142.0	159.5
135°	1.9	38.9	95.3	135.2	151.7
137.5°	1.9	35.0	89.5	127.4	142.9
140°	1.9	32.1	81.7	119.6	134.2
142.5°	1.9	30.1	73.9	110.8	124.5
145°	1.9	28.2	66.1	102.1	114.7
147.5°	1.9	26.3	59.3	93.3	105.0
150°	1.9	23.3	52.5	85.6	95.3
152.5°	2.9	21.4	46.7	75.8	85.6
155°	2.9	19.4	40.8	65.1	75.8
157.5°	2.9	17.5	35.0	54.5	66.1
160°	2.9	15.6	30.1	44.7	56.4
162.5°	2.9	14.6	26.3	36.9	47.6
165°	2.9	12.6	22.4	30.1	38.9
167.5°	2.9	9.7	18.5	23.3	32.1
170°	2.9	7.8	14.6	16.5	24.3
172.5°	2.9	5.8	10.7	11.7	12.6
175°	2.9	4.9	6.8	6.8	3.9
177.5°	2.9	3.9	3.9	3.9	1.9
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)