

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: P566882

Luminaire Tested: **4SNX-84HL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566882
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-84HL-LW-UNV-L930-CD
Description: 4FT 8400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

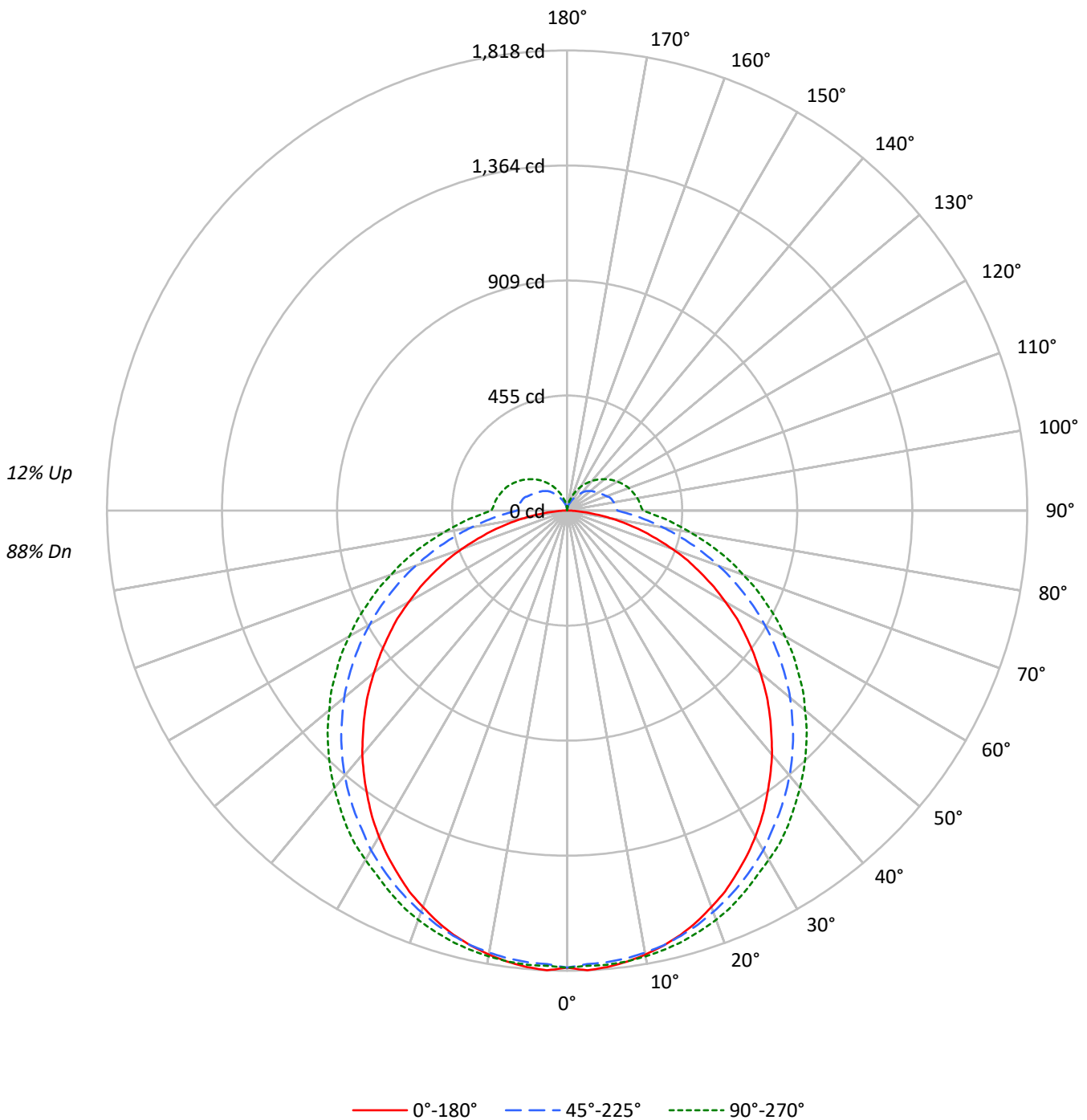
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6501.0 lumens
Efficiency: N/A
Efficacy: 112.3 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: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 57.9
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: P566882
CATALOG NUMBER: 4SNX-84HL-LW-UNV-L930-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	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°	19436	19436	19436
5°	19488	18543	18390
10°	19326	17810	17486
15°	19115	17085	16662
20°	18805	16351	15865
25°	18444	15639	15049
30°	18052	14941	14298
35°	17568	14209	13623
40°	17094	13525	12891
45°	16529	12804	12191
50°	15878	12059	11448
55°	15243	11241	10713
60°	14507	10382	9921
65°	13612	9447	9103
70°	12482	8434	8216
75°	10898	7325	7367
80°	8709	6217	6395
85°	5588	5151	5582



TEST NUMBER: P566882

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.4	2.6
10°-20°	493.1	7.6
20°-30°	750.2	11.5
30°-40°	912.1	14.0
40°-50°	965.0	14.8
50°-60°	904.6	13.9
60°-70°	744.2	11.4
70°-80°	514.9	7.9
80°-90°	286.3	4.4
90°-100°	188.6	2.9
100°-110°	169.1	2.6
110°-120°	140.0	2.2
120°-130°	108.2	1.7
130°-140°	76.6	1.2
140°-150°	46.2	0.7
150°-160°	22.2	0.3
160°-170°	7.3	0.1
170°-180°	0.9	0.0
0°-30°	1414.7	21.8
0°-40°	2326.8	35.8
0°-60°	4196.4	64.6
0°-90°	5741.8	88.3
90°-120°	497.8	7.7
90°-150°	728.8	11.2
90°-180°	759.0	11.7
0°-180°	6501.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1806	1806	1806	1806	1806	
5°	1810	1807	1791	1806	1801	172
15°	1734	1740	1739	1762	1762	489
25°	1583	1605	1624	1660	1661	730
35°	1376	1413	1461	1507	1521	861
45°	1131	1190	1262	1319	1335	872
55°	861	937	1028	1092	1114	770
65°	582	666	769	845	868	577
75°	303	391	505	586	618	321
85°	67	166	280	358	390	77
90°	1	94	198	273	300	4
95°	1	89	193	264	290	1
105°	1	77	180	248	270	1
115°	2	67	152	220	245	2
125°	2	57	130	188	212	2
135°	2	44	109	155	174	2
145°	2	32	76	117	131	1
155°	3	22	47	75	87	1
165°	3	14	26	34	44	1
175°	3	6	8	8	4	0
180°	2	2	2	2	2	



TEST NUMBER: P566882

CATALOG NUMBER: 4SNX-84HL-LW-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1805.7	1805.7	1805.7	1805.7	1805.7
2.5°	1818.0	1812.4	1793.5	1805.7	1800.2
5°	1810.2	1806.8	1791.3	1805.7	1801.3
7.5°	1797.9	1796.8	1784.6	1801.3	1796.8
10°	1781.2	1783.5	1773.4	1791.3	1787.9
12.5°	1760.1	1763.4	1759.0	1779.0	1776.8
15°	1734.5	1740.0	1738.9	1762.3	1762.3
17.5°	1703.3	1711.1	1715.6	1742.3	1742.3
20°	1666.6	1678.8	1687.7	1716.7	1721.1
22.5°	1629.8	1644.3	1657.7	1687.7	1694.4
25°	1583.1	1605.3	1624.3	1659.9	1661.0
27.5°	1537.4	1561.9	1587.5	1622.0	1625.4
30°	1487.3	1518.5	1549.7	1583.1	1593.1
32.5°	1433.9	1468.4	1502.9	1547.4	1560.8
35°	1376.0	1412.7	1460.6	1507.4	1520.7
37.5°	1318.1	1359.3	1415.0	1462.8	1475.1
40°	1259.1	1304.8	1367.1	1416.1	1430.6
42.5°	1193.4	1249.1	1315.9	1368.2	1384.9
45°	1131.1	1190.1	1262.4	1319.2	1334.8
47.5°	1065.4	1127.7	1205.7	1265.8	1283.6
50°	995.3	1066.5	1150.0	1210.1	1226.8
52.5°	929.6	1001.9	1089.9	1152.2	1175.6
55°	860.6	937.4	1027.5	1092.1	1114.4
57.5°	796.0	869.5	966.3	1030.9	1058.7
60°	722.5	803.8	900.6	970.8	993.0
62.5°	653.5	735.9	836.1	908.4	934.0
65°	582.2	665.7	769.3	845.0	868.4
67.5°	515.4	597.8	703.6	778.2	808.2
70°	442.0	528.8	636.8	713.6	739.2
72.5°	369.6	459.8	570.0	652.4	681.3
75°	302.8	390.8	505.4	585.6	617.9
77.5°	238.2	327.3	443.1	525.5	553.3
80°	173.7	267.2	385.2	466.5	493.2
82.5°	114.7	212.6	329.5	410.8	439.7
85°	66.8	165.9	280.5	358.5	389.6
87.5°	28.9	125.8	234.9	311.7	337.3
90°	1.1	93.5	198.2	272.8	299.5
92.5°	1.1	91.3	193.7	267.2	292.8
95°	1.1	89.1	192.6	263.8	289.5
97.5°	1.1	87.9	190.4	261.6	286.1
100°	1.1	84.6	187.0	257.2	281.7
102.5°	1.1	80.2	183.7	252.7	276.1
105°	1.1	76.8	180.3	248.3	270.5
107.5°	1.1	73.5	174.8	242.7	265.0
110°	1.1	70.1	165.9	237.1	259.4



TEST NUMBER: P566882

CATALOG NUMBER: 4SNX-84HL-LW-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	69.0	159.2	229.3	252.7
115°	2.2	66.8	152.5	220.4	244.9
117.5°	2.2	65.7	147.0	211.5	237.1
120°	2.2	62.3	141.4	203.7	228.2
122.5°	2.2	59.0	135.8	195.9	220.4
125°	2.2	56.8	130.3	188.1	211.5
127.5°	2.2	53.4	125.8	180.3	201.5
130°	2.2	51.2	120.2	171.4	192.6
132.5°	2.2	47.9	114.7	162.5	182.6
135°	2.2	44.5	109.1	154.7	173.7
137.5°	2.2	40.1	102.4	145.8	163.7
140°	2.2	36.7	93.5	136.9	153.6
142.5°	2.2	34.5	84.6	126.9	142.5
145°	2.2	32.3	75.7	116.9	131.4
147.5°	2.2	30.1	67.9	106.9	120.2
150°	2.2	26.7	60.1	98.0	109.1
152.5°	3.3	24.5	53.4	86.8	98.0
155°	3.3	22.3	46.8	74.6	86.8
157.5°	3.3	20.0	40.1	62.3	75.7
160°	3.3	17.8	34.5	51.2	64.6
162.5°	3.3	16.7	30.1	42.3	54.6
165°	3.3	14.5	25.6	34.5	44.5
167.5°	3.3	11.1	21.2	26.7	36.7
170°	3.3	8.9	16.7	18.9	27.8
172.5°	3.3	6.7	12.2	13.4	14.5
175°	3.3	5.6	7.8	7.8	4.5
177.5°	3.3	4.5	4.5	4.5	2.2
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)