

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: P566891

Luminaire Tested: **4SNX-84HL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566891
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-SLW-UNV-L935-CD
Description: 4FT 8400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

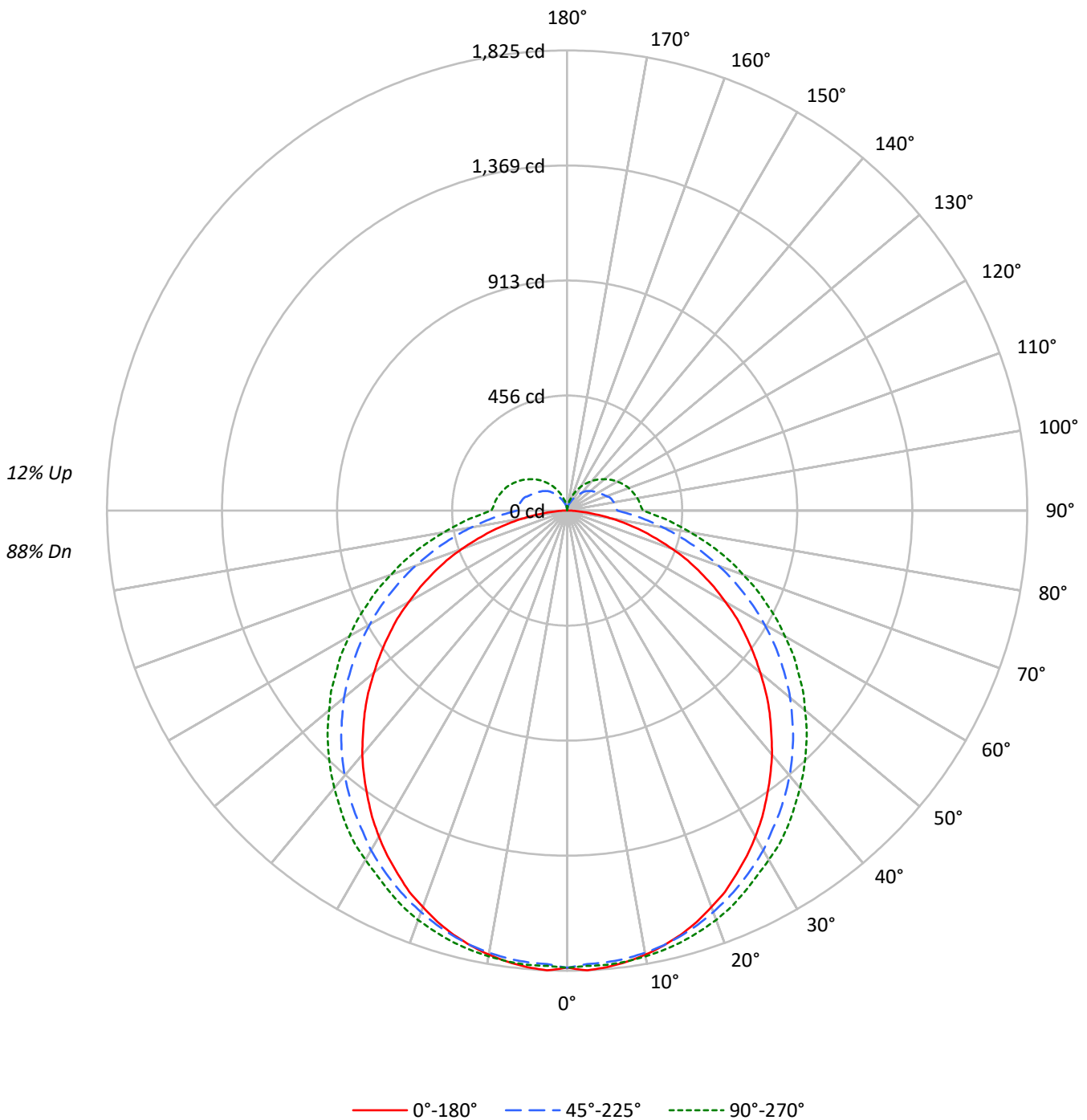
Lumens per Lamp: N/A
Luminaire Lumens: 6527.0 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 57.9
Input Voltage (V): NR
Input Current (A_{in}): 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°	19514	19514	19514
5°	19601	19017	18989
10°	19476	18641	18535
15°	19298	18237	18107
20°	19022	17795	17660
25°	18696	17350	17150
30°	18341	16904	16683
35°	17893	16405	16278
40°	17458	15949	15785
45°	16935	15443	15316
50°	16328	14904	14778
55°	15747	14276	14243
60°	15075	13593	13627
65°	14255	12815	12970
70°	13211	11938	12216
75°	11734	10929	11522
80°	9672	9927	10648
85°	6698	9034	10076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.1	2.6
10°-20°	495.1	7.6
20°-30°	753.2	11.5
30°-40°	915.8	14.0
40°-50°	968.9	14.8
50°-60°	908.2	13.9
60°-70°	747.1	11.4
70°-80°	517.0	7.9
80°-90°	287.5	4.4
90°-100°	189.4	2.9
100°-110°	169.8	2.6
110°-120°	140.6	2.2
120°-130°	108.7	1.7
130°-140°	76.9	1.2
140°-150°	46.4	0.7
150°-160°	22.3	0.3
160°-170°	7.3	0.1
170°-180°	0.9	0.0
0°-30°	1420.4	21.8
0°-40°	2336.2	35.8
0°-60°	4213.2	64.6
0°-90°	5764.8	88.3
90°-120°	499.8	7.7
90°-150°	731.7	11.2
90°-180°	762.0	11.7
0°-180°	6527.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1813	1813	1813	1813	1813	
5°	1817	1814	1798	1813	1808	173
15°	1741	1747	1746	1769	1769	491
25°	1589	1612	1631	1666	1668	733
35°	1382	1418	1466	1513	1527	865
45°	1136	1195	1268	1324	1340	875
55°	864	941	1032	1096	1119	773
65°	585	668	772	848	872	580
75°	304	392	507	588	620	323
85°	67	166	282	360	391	77
90°	1	94	199	274	301	4
95°	1	89	193	265	291	1
105°	1	77	181	249	272	1
115°	2	67	153	221	246	2
125°	2	57	131	189	212	2
135°	2	45	110	155	174	2
145°	2	32	76	117	132	1
155°	3	22	47	75	87	1
165°	3	14	26	35	45	1
175°	3	6	8	8	4	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1812.9	1812.9	1812.9	1812.9	1812.9
2.5°	1825.2	1819.7	1800.7	1812.9	1807.4
5°	1817.4	1814.1	1798.4	1812.9	1808.5
7.5°	1805.1	1804.0	1791.7	1808.5	1804.0
10°	1788.4	1790.6	1780.5	1798.4	1795.1
12.5°	1767.1	1770.5	1766.0	1786.1	1783.9
15°	1741.4	1747.0	1745.9	1769.4	1769.4
17.5°	1710.1	1717.9	1722.4	1749.2	1749.2
20°	1673.2	1685.5	1694.5	1723.5	1728.0
22.5°	1636.3	1650.9	1664.3	1694.5	1701.2
25°	1589.4	1611.8	1630.8	1666.5	1667.6
27.5°	1543.6	1568.2	1593.9	1628.5	1631.9
30°	1493.3	1524.6	1555.9	1589.4	1599.5
32.5°	1439.6	1474.3	1508.9	1553.6	1567.0
35°	1381.5	1418.4	1466.5	1513.4	1526.8
37.5°	1323.4	1364.7	1420.6	1468.7	1481.0
40°	1264.1	1310.0	1372.6	1421.7	1436.3
42.5°	1198.2	1254.1	1321.1	1373.7	1390.4
45°	1135.6	1194.8	1267.5	1324.5	1340.2
47.5°	1069.7	1132.3	1210.5	1270.9	1288.7
50°	999.2	1070.8	1154.6	1215.0	1231.7
52.5°	933.3	1006.0	1094.3	1156.8	1180.3
55°	864.0	941.1	1031.7	1096.5	1118.8
57.5°	799.2	872.9	970.2	1035.0	1063.0
60°	725.4	807.0	904.2	974.7	997.0
62.5°	656.1	738.8	839.4	912.1	937.8
65°	584.6	668.4	772.3	848.4	871.8
67.5°	517.5	600.2	706.4	781.3	811.5
70°	443.7	530.9	639.3	716.5	742.2
72.5°	371.1	461.6	572.3	655.0	684.0
75°	304.0	392.3	507.4	587.9	620.3
77.5°	239.2	328.6	444.9	527.6	555.5
80°	174.4	268.3	386.7	468.3	495.2
82.5°	115.1	213.5	330.8	412.4	441.5
85°	67.1	166.5	281.7	359.9	391.2
87.5°	29.1	126.3	235.8	313.0	338.7
90°	1.1	93.9	199.0	273.8	300.7
92.5°	1.1	91.7	194.5	268.3	294.0
95°	1.1	89.4	193.4	264.9	290.6
97.5°	1.1	88.3	191.1	262.7	287.3
100°	1.1	84.9	187.8	258.2	282.8
102.5°	1.1	80.5	184.4	253.7	277.2
105°	1.1	77.1	181.1	249.3	271.6
107.5°	1.1	73.8	175.5	243.7	266.0
110°	1.1	70.4	166.5	238.1	260.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	69.3	159.8	230.3	253.7
115°	2.2	67.1	153.1	221.3	245.9
117.5°	2.2	65.9	147.5	212.4	238.1
120°	2.2	62.6	142.0	204.5	229.1
122.5°	2.2	59.2	136.4	196.7	221.3
125°	2.2	57.0	130.8	188.9	212.4
127.5°	2.2	53.7	126.3	181.1	202.3
130°	2.2	51.4	120.7	172.1	193.4
132.5°	2.2	48.1	115.1	163.2	183.3
135°	2.2	44.7	109.5	155.4	174.4
137.5°	2.2	40.2	102.8	146.4	164.3
140°	2.2	36.9	93.9	137.5	154.2
142.5°	2.2	34.6	84.9	127.4	143.1
145°	2.2	32.4	76.0	117.4	131.9
147.5°	2.2	30.2	68.2	107.3	120.7
150°	2.2	26.8	60.4	98.4	109.5
152.5°	3.4	24.6	53.7	87.2	98.4
155°	3.4	22.4	46.9	74.9	87.2
157.5°	3.4	20.1	40.2	62.6	76.0
160°	3.4	17.9	34.6	51.4	64.8
162.5°	3.4	16.8	30.2	42.5	54.8
165°	3.4	14.5	25.7	34.6	44.7
167.5°	3.4	11.2	21.2	26.8	36.9
170°	3.4	8.9	16.8	19.0	27.9
172.5°	3.4	6.7	12.3	13.4	14.5
175°	3.4	5.6	7.8	7.8	4.5
177.5°	3.4	4.5	4.5	4.5	2.2
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)