

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: P565827

Luminaire Tested: **2SNX-47HL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565827
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-47HL-UNV-L835-CD
Description: 2FT 4700 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

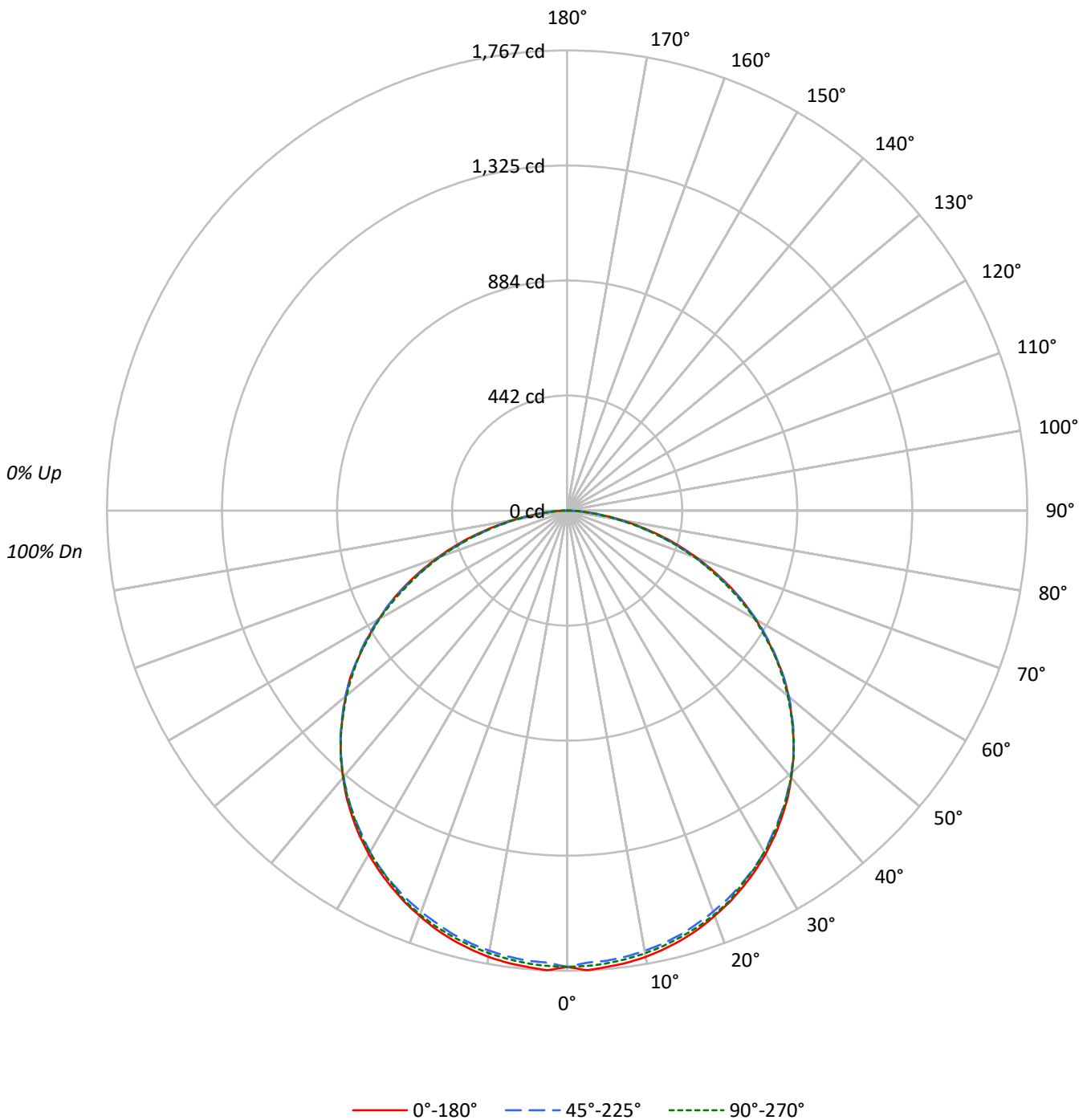
Lumens per Lamp: N/A
Luminaire Lumens: 5244.0 lumens
Efficiency: N/A
Efficacy: 155.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37712	37712	37712
5°	38019	37489	37714
10°	38036	37518	37728
15°	38020	37556	37772
20°	37943	37553	37823
25°	37896	37597	37668
30°	37871	37633	37668
35°	37778	37545	37602
40°	37627	37542	37565
45°	37423	37490	37423
50°	37169	37242	37045
55°	36591	36786	36591
60°	35973	36132	35814
65°	35082	34669	34292
70°	33410	32668	32573
75°	30834	29353	29478
80°	26382	24720	25179
85°	19587	19217	17957



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.3	3.2
10°-20°	479.0	9.1
20°-30°	733.3	14.0
30°-40°	897.1	17.1
40°-50°	948.8	18.1
50°-60°	874.2	16.7
60°-70°	672.9	12.8
70°-80°	378.0	7.2
80°-90°	94.3	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1378.6	26.3
0°-40°	2275.7	43.4
0°-60°	4098.8	78.2
0°-90°	5244.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5244.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1752	1752	1752	1752	1752	
5°	1759	1754	1735	1750	1745	167
15°	1706	1701	1685	1700	1695	482
25°	1595	1594	1583	1594	1586	736
35°	1438	1435	1429	1435	1431	900
45°	1229	1233	1231	1228	1229	948
55°	975	984	980	977	975	873
65°	689	690	681	671	673	679
75°	371	365	353	348	354	390
85°	79	78	78	76	73	98
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1751.8	1751.8	1751.8	1751.8	1751.8
2.5°	1766.7	1757.0	1737.8	1754.8	1750.4
5°	1759.3	1754.1	1734.8	1750.4	1745.2
7.5°	1751.8	1745.9	1727.4	1744.4	1737.0
10°	1740.0	1734.8	1716.3	1732.6	1725.9
12.5°	1724.4	1720.0	1702.9	1718.5	1711.8
15°	1705.9	1701.4	1685.1	1699.9	1694.8
17.5°	1683.6	1678.4	1662.9	1678.4	1674.7
20°	1656.2	1653.2	1639.2	1653.2	1651.0
22.5°	1628.0	1624.3	1613.2	1623.6	1624.3
25°	1595.4	1593.9	1582.8	1593.9	1585.8
27.5°	1561.3	1561.3	1550.2	1557.6	1552.4
30°	1523.5	1522.8	1513.9	1517.6	1515.3
32.5°	1482.7	1482.0	1470.1	1479.8	1476.1
35°	1437.5	1435.3	1428.6	1435.3	1430.8
37.5°	1390.8	1388.6	1383.4	1387.1	1386.3
40°	1338.9	1338.9	1335.9	1338.9	1336.7
42.5°	1285.5	1287.7	1284.0	1287.0	1287.0
45°	1229.2	1232.9	1231.4	1228.4	1229.2
47.5°	1169.1	1175.8	1172.1	1171.4	1167.6
50°	1109.8	1115.8	1112.0	1108.3	1106.1
52.5°	1048.3	1051.3	1046.8	1045.3	1040.1
55°	974.9	983.8	980.1	977.1	974.9
57.5°	907.4	914.1	911.1	905.2	901.5
60°	835.5	840.7	839.2	832.6	831.8
62.5°	765.1	766.6	765.1	753.2	754.0
65°	688.7	690.2	680.6	670.9	673.2
67.5°	608.7	613.1	599.8	585.7	595.3
70°	530.8	529.3	519.0	503.4	517.5
72.5°	450.7	449.3	437.4	426.3	435.9
75°	370.7	364.8	352.9	347.7	354.4
77.5°	287.6	281.0	275.8	272.1	275.0
80°	212.8	203.9	199.4	196.5	203.1
82.5°	141.6	134.9	132.7	134.9	133.4
85°	79.3	77.8	77.8	75.6	72.7
87.5°	32.6	34.1	34.8	34.1	32.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)