

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: P565778

Luminaire Tested: **2SNX-44HL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565778
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-44HL-UNV-L830-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

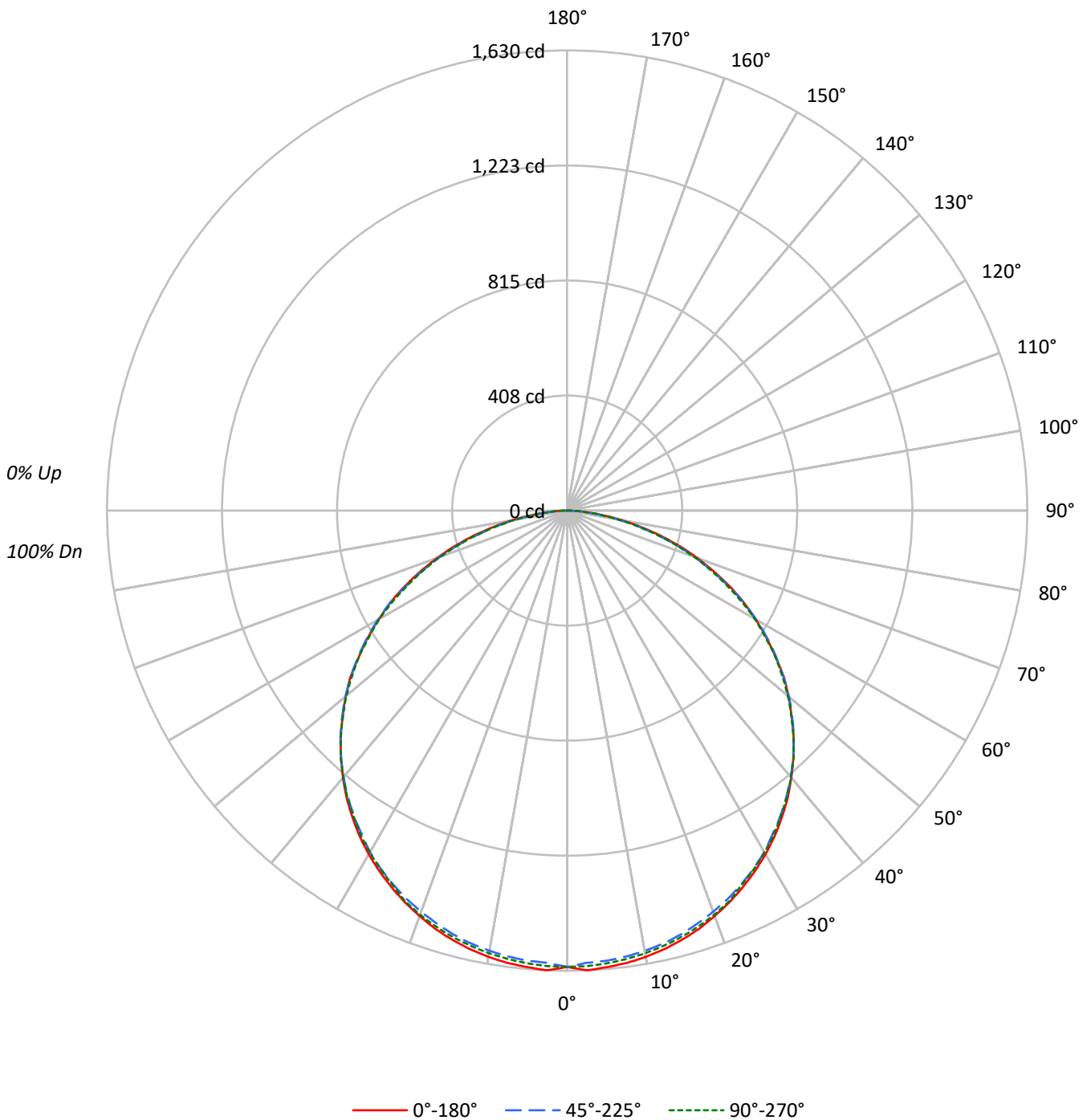
Lumens per Lamp: N/A
Luminaire Lumens: 4838.0 lumens
Efficiency: N/A
Efficacy: 155.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 31.1
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	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°	34793	34793	34793
5°	35075	34587	34794
10°	35092	34613	34808
15°	35076	34650	34846
20°	35006	34644	34896
25°	34963	34687	34751
30°	34938	34719	34752
35°	34853	34638	34693
40°	34712	34636	34656
45°	34525	34589	34525
50°	34292	34359	34178
55°	33757	33937	33757
60°	33187	33334	33041
65°	32367	31985	31633
70°	30823	30137	30049
75°	28447	27082	27191
80°	24336	22811	23233
85°	18081	17735	16549



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.4	3.2
10°-20°	441.9	9.1
20°-30°	676.6	14.0
30°-40°	827.6	17.1
40°-50°	875.4	18.1
50°-60°	806.6	16.7
60°-70°	620.8	12.8
70°-80°	348.8	7.2
80°-90°	87.0	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°	1271.9	26.3
0°-40°	2099.5	43.4
0°-60°	3781.4	78.2
0°-90°	4838.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4838.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1616	1616	1616	1616	1616	
5°	1623	1618	1600	1615	1610	154
15°	1574	1570	1555	1568	1564	444
25°	1472	1470	1460	1470	1463	679
35°	1326	1324	1318	1324	1320	830
45°	1134	1137	1136	1133	1134	874
55°	899	908	904	902	899	805
65°	635	637	628	619	621	627
75°	342	336	326	321	327	360
85°	73	72	72	70	67	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1616.2	1616.2	1616.2	1616.2	1616.2
2.5°	1629.9	1621.0	1603.2	1618.9	1614.8
5°	1623.1	1618.3	1600.5	1614.8	1610.1
7.5°	1616.2	1610.7	1593.6	1609.4	1602.5
10°	1605.3	1600.5	1583.4	1598.4	1592.3
12.5°	1590.9	1586.8	1571.1	1585.4	1579.3
15°	1573.8	1569.7	1554.7	1568.3	1563.5
17.5°	1553.3	1548.5	1534.1	1548.5	1545.1
20°	1528.0	1525.2	1512.2	1525.2	1523.2
22.5°	1502.0	1498.6	1488.3	1497.9	1498.6
25°	1471.9	1470.5	1460.3	1470.5	1463.0
27.5°	1440.4	1440.4	1430.2	1437.0	1432.2
30°	1405.5	1404.9	1396.7	1400.1	1398.0
32.5°	1367.9	1367.2	1356.3	1365.2	1361.8
35°	1326.2	1324.2	1318.0	1324.2	1320.1
37.5°	1283.1	1281.1	1276.3	1279.7	1279.0
40°	1235.2	1235.2	1232.5	1235.2	1233.2
42.5°	1186.0	1188.0	1184.6	1187.4	1187.4
45°	1134.0	1137.4	1136.1	1133.3	1134.0
47.5°	1078.6	1084.8	1081.3	1080.7	1077.2
50°	1023.9	1029.4	1025.9	1022.5	1020.5
52.5°	967.1	969.9	965.8	964.4	959.6
55°	899.4	907.6	904.2	901.5	899.4
57.5°	837.2	843.3	840.6	835.1	831.7
60°	770.8	775.6	774.2	768.1	767.4
62.5°	705.9	707.2	705.9	694.9	695.6
65°	635.4	636.8	627.9	619.0	621.0
67.5°	561.5	565.6	553.3	540.3	549.2
70°	489.7	488.4	478.8	464.4	477.4
72.5°	415.9	414.5	403.5	393.3	402.2
75°	342.0	336.5	325.6	320.8	326.9
77.5°	265.4	259.2	254.4	251.0	253.8
80°	196.3	188.1	184.0	181.3	187.4
82.5°	130.6	124.5	122.4	124.5	123.1
85°	73.2	71.8	71.8	69.8	67.0
87.5°	30.1	31.5	32.1	31.5	30.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)