

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: P565779

Luminaire Tested: **2SNX-44HL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565779
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-L835-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

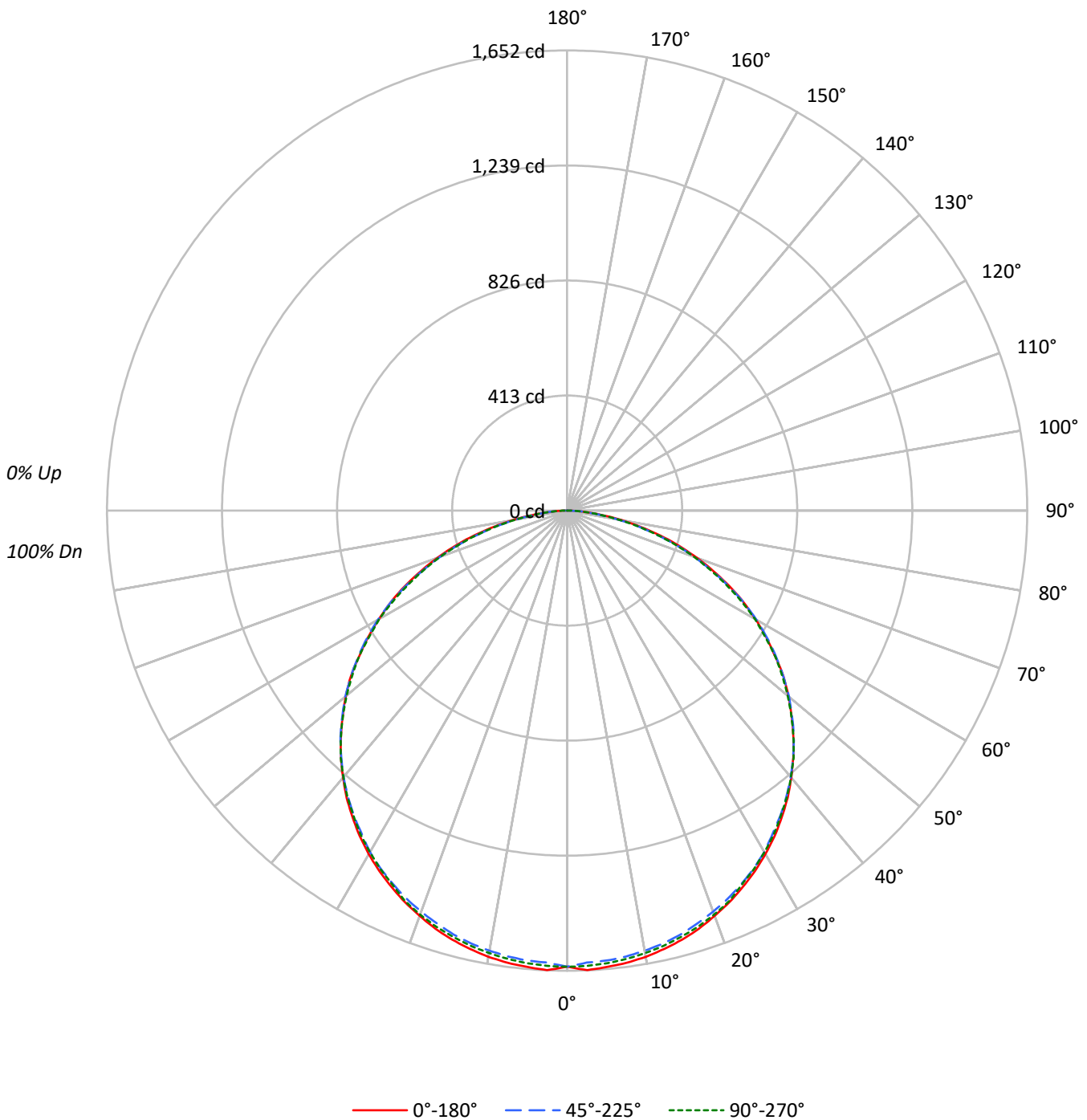
Lumens per Lamp: N/A
Luminaire Lumens: 4902.0 lumens
Efficiency: N/A
Efficacy: 157.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 31.1
Input Voltage (V): NR
Input Current (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°	35254	35254	35254
5°	35538	35045	35255
10°	35555	35070	35267
15°	35539	35107	35307
20°	35468	35104	35356
25°	35426	35145	35212
30°	35401	35177	35212
35°	35316	35095	35150
40°	35173	35095	35114
45°	34981	35045	34981
50°	34744	34814	34630
55°	34203	34387	34203
60°	33626	33777	33480
65°	32795	32408	32056
70°	31232	30534	30446
75°	28821	27440	27557
80°	24658	23109	23543
85°	18328	17982	16772



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.4	3.2
10°-20°	447.8	9.1
20°-30°	685.5	14.0
30°-40°	838.6	17.1
40°-50°	887.0	18.1
50°-60°	817.2	16.7
60°-70°	629.0	12.8
70°-80°	353.4	7.2
80°-90°	88.2	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°	1288.7	26.3
0°-40°	2127.3	43.4
0°-60°	3831.5	78.2
0°-90°	4902.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4902.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1638	1638	1638	1638	1638	
5°	1644	1640	1622	1636	1631	156
15°	1595	1590	1575	1589	1584	450
25°	1491	1490	1480	1490	1482	688
35°	1344	1342	1335	1342	1338	841
45°	1149	1152	1151	1148	1149	886
55°	911	920	916	913	911	816
65°	644	645	636	627	629	635
75°	346	341	330	325	331	365
85°	74	73	73	71	68	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1637.6	1637.6	1637.6	1637.6	1637.6
2.5°	1651.5	1642.4	1624.4	1640.4	1636.2
5°	1644.5	1639.7	1621.7	1636.2	1631.4
7.5°	1637.6	1632.0	1614.7	1630.7	1623.7
10°	1626.5	1621.7	1604.3	1619.6	1613.3
12.5°	1611.9	1607.8	1591.9	1606.4	1600.2
15°	1594.6	1590.5	1575.2	1589.1	1584.2
17.5°	1573.8	1569.0	1554.4	1569.0	1565.5
20°	1548.2	1545.4	1532.3	1545.4	1543.3
22.5°	1521.9	1518.4	1508.0	1517.7	1518.4
25°	1491.4	1490.0	1479.6	1490.0	1482.4
27.5°	1459.5	1459.5	1449.1	1456.0	1451.2
30°	1424.1	1423.4	1415.1	1418.6	1416.5
32.5°	1386.0	1385.3	1374.2	1383.3	1379.8
35°	1343.8	1341.7	1335.4	1341.7	1337.5
37.5°	1300.1	1298.0	1293.2	1296.6	1295.9
40°	1251.6	1251.6	1248.8	1251.6	1249.5
42.5°	1201.7	1203.8	1200.3	1203.1	1203.1
45°	1149.0	1152.5	1151.1	1148.3	1149.0
47.5°	1092.9	1099.1	1095.7	1095.0	1091.5
50°	1037.4	1043.0	1039.5	1036.1	1034.0
52.5°	979.9	982.7	978.5	977.1	972.3
55°	911.3	919.6	916.2	913.4	911.3
57.5°	848.2	854.5	851.7	846.2	842.7
60°	781.0	785.9	784.5	778.3	777.6
62.5°	715.2	716.6	715.2	704.1	704.8
65°	643.8	645.2	636.2	627.2	629.3
67.5°	569.0	573.1	560.6	547.5	556.5
70°	496.2	494.8	485.1	470.6	483.7
72.5°	421.4	420.0	408.9	398.5	407.5
75°	346.5	341.0	329.9	325.0	331.3
77.5°	268.9	262.7	257.8	254.3	257.1
80°	198.9	190.6	186.4	183.6	189.9
82.5°	132.4	126.1	124.0	126.1	124.7
85°	74.2	72.8	72.8	70.7	67.9
87.5°	30.5	31.9	32.6	31.9	30.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)