

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: P566615

Luminaire Tested: **4SNX-60SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566615  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-60SL-FDL-UNV-L835-CD  
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

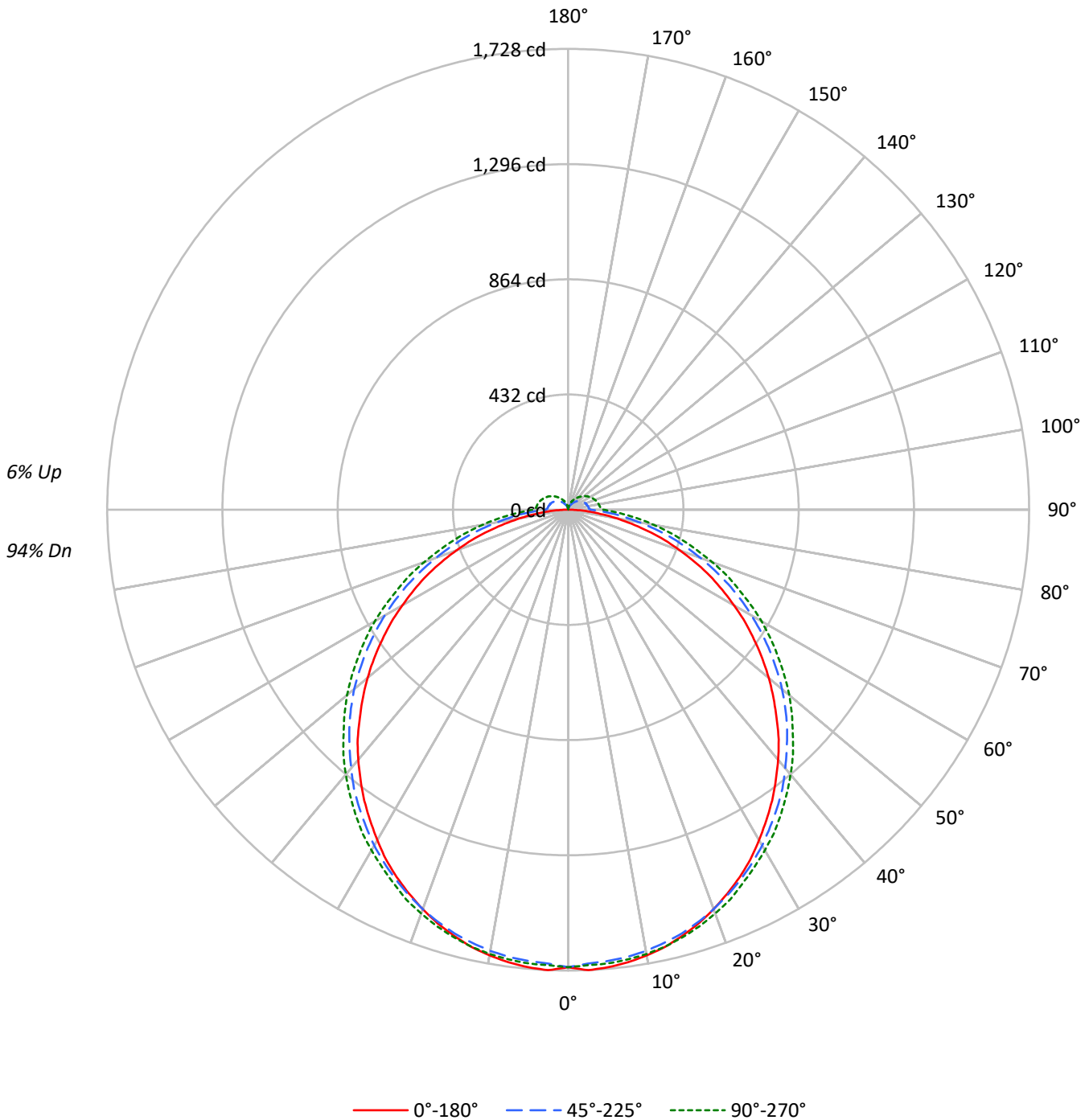
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5452.0 lumens  
Efficiency: N/A  
Efficacy: 129.8 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')  
CIE Type: Direct

Input Watts (W): 42  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P566615  
CATALOG NUMBER: 4SNX-60SL-FDL-UNV-L835-CD

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	50	30	10	0
RCR																					
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94			
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77			
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64			
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53			
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45			
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39			
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34			
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30			
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27			
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24			
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	18467	18467	18467
5°	18594	18161	18189
10°	18517	17965	17960
15°	18379	17738	17703
20°	18190	17463	17402
25°	17972	17161	17045
30°	17677	16853	16716
35°	17380	16493	16370
40°	17053	16094	15984
45°	16640	15700	15532
50°	16241	15250	15121
55°	15745	14694	14547
60°	15189	14057	13984
65°	14599	13298	13206
70°	13588	12342	12402
75°	12370	11218	11435
80°	10565	9729	10369
85°	8310	8438	9111



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.7	3.0
10°-20°	466.9	8.6
20°-30°	707.5	13.0
30°-40°	854.1	15.7
40°-50°	891.9	16.4
50°-60°	819.4	15.0
60°-70°	648.0	11.9
70°-80°	410.1	7.5
80°-90°	176.3	3.2
90°-100°	77.6	1.4
100°-110°	69.4	1.3
110°-120°	58.7	1.1
120°-130°	45.7	0.8
130°-140°	31.6	0.6
140°-150°	19.0	0.3
150°-160°	9.3	0.2
160°-170°	3.2	0.1
170°-180°	0.5	0.0
0°-30°	1337.1	24.5
0°-40°	2191.3	40.2
0°-60°	3902.6	71.6
0°-90°	5137.0	94.2
90°-120°	205.7	3.8
90°-150°	302.0	5.5
90°-180°	315.0	5.8
0°-180°	5452.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1716	1716	1716	1716	1716	
5°	1722	1718	1699	1714	1708	164
15°	1654	1654	1645	1662	1660	467
25°	1521	1527	1529	1550	1547	700
35°	1332	1348	1365	1386	1391	833
45°	1104	1132	1160	1183	1190	853
55°	852	886	923	953	960	762
65°	586	619	662	693	704	577
75°	309	346	396	430	446	327
85°	75	116	166	202	214	83
90°	5	42	85	119	131	6
95°	1	36	77	108	120	1
105°	1	33	72	101	112	1
115°	1	28	66	92	101	1
125°	2	25	55	79	88	2
135°	2	19	44	63	70	1
145°	2	14	31	47	52	1
155°	2	10	20	30	36	1
165°	3	7	11	14	20	1
175°	3	4	5	5	3	0
180°	3	3	3	3	3	



TEST NUMBER: P566615

CATALOG NUMBER: 4SNX-60SL-FDL-UNV-L835-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1715.6	1715.6	1715.6	1715.6	1715.6
2.5°	1728.2	1722.4	1703.1	1716.6	1709.8
5°	1722.4	1717.6	1699.2	1713.7	1707.9
7.5°	1711.8	1707.9	1691.5	1707.0	1701.2
10°	1697.3	1694.4	1679.9	1695.4	1691.5
12.5°	1679.0	1678.0	1663.5	1680.9	1678.0
15°	1653.9	1653.9	1645.2	1662.5	1659.6
17.5°	1626.8	1627.8	1621.0	1639.4	1637.4
20°	1594.0	1598.8	1594.0	1613.3	1611.4
22.5°	1558.3	1565.0	1563.1	1582.4	1583.4
25°	1520.6	1527.4	1529.3	1549.6	1546.7
27.5°	1479.1	1489.7	1493.6	1511.9	1511.0
30°	1430.8	1445.3	1454.0	1469.4	1474.3
32.5°	1381.6	1399.0	1409.6	1430.8	1436.6
35°	1332.3	1347.8	1365.2	1386.4	1391.2
37.5°	1278.3	1295.7	1318.8	1339.1	1344.9
40°	1224.2	1243.5	1265.7	1287.9	1296.6
42.5°	1168.2	1188.5	1212.6	1238.7	1247.4
45°	1104.5	1131.5	1160.5	1182.7	1190.4
47.5°	1043.7	1073.6	1104.5	1128.6	1137.3
50°	981.9	1013.7	1046.6	1068.8	1082.3
52.5°	917.2	952.0	984.8	1012.8	1021.5
55°	851.5	886.3	923.0	952.9	959.7
57.5°	787.8	821.6	858.3	886.3	899.8
60°	718.3	755.0	794.6	822.6	837.1
62.5°	650.7	686.4	728.9	758.9	770.4
65°	586.0	618.9	662.3	693.2	703.8
67.5°	514.6	552.2	593.8	629.5	643.0
70°	444.1	479.8	527.1	560.9	574.5
72.5°	378.5	413.2	460.5	494.3	506.9
75°	309.0	345.6	395.8	429.6	446.0
77.5°	242.3	282.9	331.2	367.8	386.2
80°	180.5	216.3	268.4	309.0	325.4
82.5°	122.6	161.2	215.3	253.0	271.3
85°	75.3	115.9	166.1	201.8	214.3
87.5°	35.7	74.3	120.7	155.4	170.9
90°	4.8	41.5	85.0	118.8	131.3
92.5°	1.0	35.7	78.2	110.1	121.6
95°	1.0	35.7	77.2	108.1	119.7
97.5°	1.0	34.8	76.3	107.2	117.8
100°	1.0	33.8	75.3	105.2	116.8
102.5°	1.0	33.8	73.4	103.3	113.9
105°	1.0	32.8	72.4	101.4	112.0
107.5°	1.0	31.9	70.5	99.4	110.1
110°	1.0	29.9	69.5	96.5	107.2



TEST NUMBER: P566615

CATALOG NUMBER: 4SNX-60SL-FDL-UNV-L835-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	29.0	67.6	94.6	104.3
115°	1.0	28.0	65.7	91.7	101.4
117.5°	1.0	27.0	62.8	88.8	98.5
120°	1.9	27.0	60.8	85.9	94.6
122.5°	1.9	26.1	57.9	82.1	90.8
125°	1.9	25.1	55.0	79.2	87.9
127.5°	1.9	24.1	52.1	75.3	83.0
130°	1.9	22.2	50.2	71.4	79.2
132.5°	1.9	21.2	47.3	66.6	74.3
135°	1.9	19.3	44.4	62.8	70.5
137.5°	1.9	18.3	41.5	58.9	65.7
140°	1.9	17.4	37.7	55.0	61.8
142.5°	1.9	15.4	34.8	51.2	57.0
145°	1.9	14.5	30.9	47.3	52.1
147.5°	1.9	12.6	28.0	43.4	48.3
150°	1.9	11.6	25.1	39.6	44.4
152.5°	1.9	10.6	22.2	34.8	39.6
155°	1.9	9.7	20.3	29.9	35.7
157.5°	1.9	8.7	17.4	26.1	31.9
160°	2.9	7.7	15.4	22.2	27.0
162.5°	2.9	6.8	12.6	18.3	24.1
165°	2.9	6.8	10.6	14.5	20.3
167.5°	2.9	5.8	8.7	11.6	16.4
170°	2.9	4.8	7.7	8.7	12.6
172.5°	2.9	3.9	5.8	5.8	6.8
175°	2.9	3.9	4.8	4.8	2.9
177.5°	2.9	2.9	2.9	2.9	1.9
180°	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)