

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: P566569

Luminaire Tested: **4SNX-57SL-FDL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566569
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-57SL-FDL-UNV-L850-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

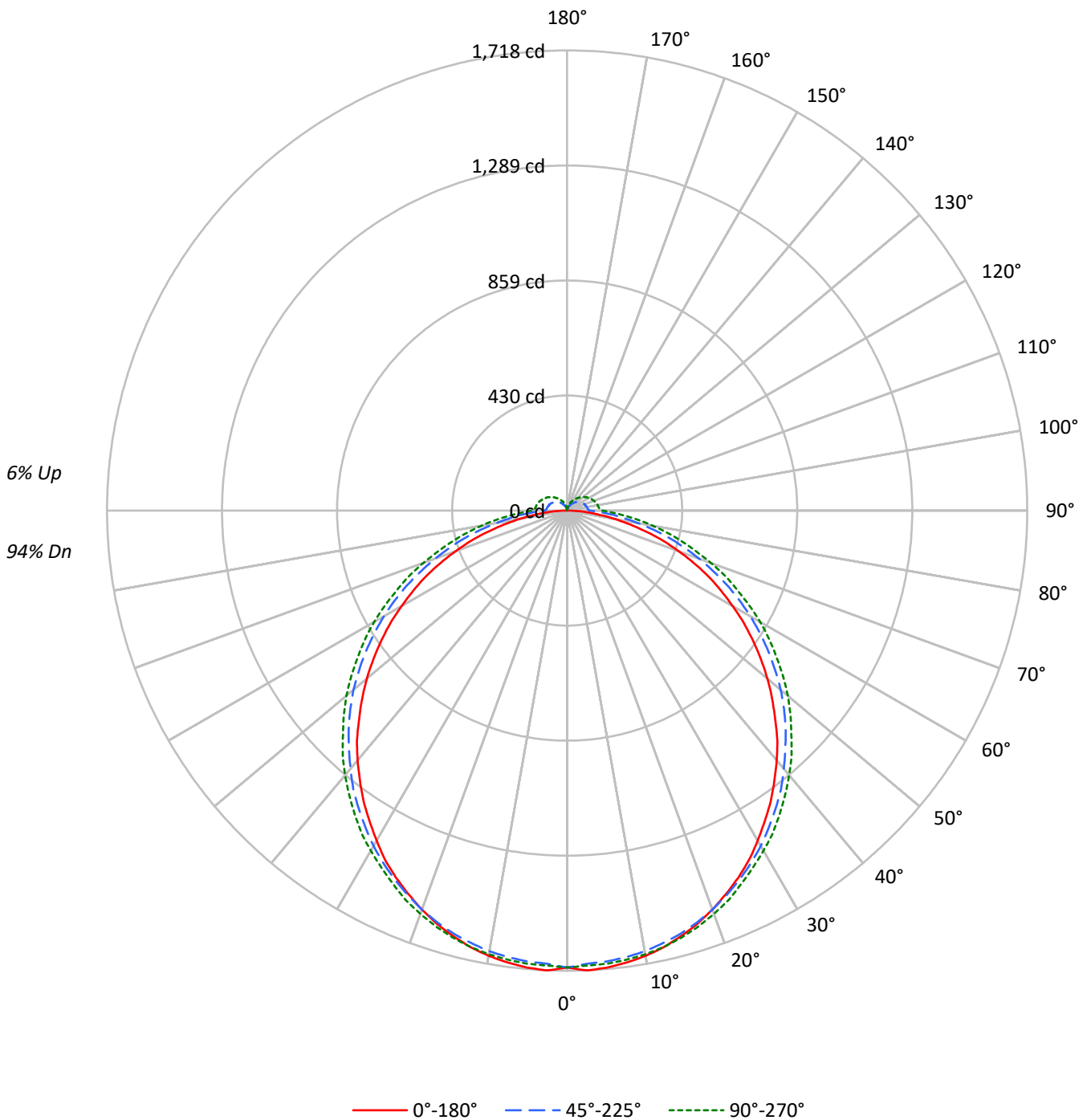
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5421.0 lumens
Efficiency: N/A
Efficacy: 136.5 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): 39.7
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	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°	18362	18362	18362
5°	18488	18058	18085
10°	18412	17863	17858
15°	18274	17637	17603
20°	18086	17363	17303
25°	17871	17063	16948
30°	17577	16757	16620
35°	17282	16399	16277
40°	16956	16002	15894
45°	16545	15611	15445
50°	16148	15163	15034
55°	15657	14609	14464
60°	15103	13978	13904
65°	14517	13221	13131
70°	13511	12272	12330
75°	12298	11156	11371
80°	10506	9674	10309
85°	8266	8387	9060



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.8	3.0
10°-20°	464.2	8.6
20°-30°	703.5	13.0
30°-40°	849.3	15.7
40°-50°	886.9	16.4
50°-60°	814.8	15.0
60°-70°	644.3	11.9
70°-80°	407.8	7.5
80°-90°	175.3	3.2
90°-100°	77.1	1.4
100°-110°	69.1	1.3
110°-120°	58.3	1.1
120°-130°	45.5	0.8
130°-140°	31.5	0.6
140°-150°	18.9	0.3
150°-160°	9.2	0.2
160°-170°	3.2	0.1
170°-180°	0.5	0.0
0°-30°	1329.5	24.5
0°-40°	2178.8	40.2
0°-60°	3880.4	71.6
0°-90°	5107.8	94.2
90°-120°	204.5	3.8
90°-150°	300.3	5.5
90°-180°	313.0	5.8
0°-180°	5421.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1706	1706	1706	1706	1706	
5°	1713	1708	1690	1704	1698	163
15°	1644	1644	1636	1653	1650	464
25°	1512	1519	1521	1541	1538	696
35°	1325	1340	1357	1378	1383	828
45°	1098	1125	1154	1176	1184	848
55°	847	881	918	948	954	757
65°	583	615	658	689	700	574
75°	307	344	394	427	444	326
85°	75	115	165	201	213	83
90°	5	41	84	118	131	6
95°	1	36	77	108	119	1
105°	1	33	72	101	111	1
115°	1	28	65	91	101	1
125°	2	25	55	79	87	2
135°	2	19	44	62	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1705.9	1705.9	1705.9	1705.9	1705.9
2.5°	1718.4	1712.6	1693.4	1706.8	1700.1
5°	1712.6	1707.8	1689.6	1704.0	1698.2
7.5°	1702.0	1698.2	1681.9	1697.2	1691.5
10°	1687.6	1684.8	1670.4	1685.7	1681.9
12.5°	1669.4	1668.4	1654.0	1671.3	1668.4
15°	1644.4	1644.4	1635.8	1653.1	1650.2
17.5°	1617.6	1618.5	1611.8	1630.0	1628.1
20°	1584.9	1589.7	1584.9	1604.1	1602.2
22.5°	1549.4	1556.1	1554.2	1573.4	1574.4
25°	1512.0	1518.7	1520.6	1540.8	1537.9
27.5°	1470.7	1481.3	1485.1	1503.3	1502.4
30°	1422.7	1437.1	1445.7	1461.1	1465.9
32.5°	1373.7	1391.0	1401.6	1422.7	1428.5
35°	1324.8	1340.1	1357.4	1378.5	1383.3
37.5°	1271.0	1288.3	1311.3	1331.5	1337.3
40°	1217.3	1236.5	1258.5	1280.6	1289.3
42.5°	1161.6	1181.7	1205.7	1231.7	1240.3
45°	1098.2	1125.1	1153.9	1176.0	1183.7
47.5°	1037.7	1067.5	1098.2	1122.2	1130.9
50°	976.3	1008.0	1040.6	1062.7	1076.1
52.5°	912.0	946.5	979.2	1007.0	1015.7
55°	846.7	881.3	917.7	947.5	954.2
57.5°	783.3	816.9	853.4	881.3	894.7
60°	714.2	750.7	790.1	817.9	832.3
62.5°	647.0	682.5	724.8	754.5	766.1
65°	582.7	615.3	658.5	689.3	699.8
67.5°	511.7	549.1	590.4	625.9	639.3
70°	441.6	477.1	524.1	557.7	571.2
72.5°	376.3	410.9	457.9	491.5	504.0
75°	307.2	343.7	393.6	427.2	443.5
77.5°	241.0	281.3	329.3	365.8	384.0
80°	179.5	215.0	266.9	307.2	323.5
82.5°	121.9	160.3	214.1	251.5	269.8
85°	74.9	115.2	165.1	200.6	213.1
87.5°	35.5	73.9	120.0	154.6	169.9
90°	4.8	41.3	84.5	118.1	130.6
92.5°	1.0	35.5	77.8	109.4	121.0
95°	1.0	35.5	76.8	107.5	119.0
97.5°	1.0	34.6	75.8	106.6	117.1
100°	1.0	33.6	74.9	104.6	116.2
102.5°	1.0	33.6	73.0	102.7	113.3
105°	1.0	32.6	72.0	100.8	111.4
107.5°	1.0	31.7	70.1	98.9	109.4
110°	1.0	29.8	69.1	96.0	106.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	28.8	67.2	94.1	103.7
115°	1.0	27.8	65.3	91.2	100.8
117.5°	1.0	26.9	62.4	88.3	97.9
120°	1.9	26.9	60.5	85.4	94.1
122.5°	1.9	25.9	57.6	81.6	90.2
125°	1.9	25.0	54.7	78.7	87.4
127.5°	1.9	24.0	51.8	74.9	82.6
130°	1.9	22.1	49.9	71.0	78.7
132.5°	1.9	21.1	47.0	66.2	73.9
135°	1.9	19.2	44.2	62.4	70.1
137.5°	1.9	18.2	41.3	58.6	65.3
140°	1.9	17.3	37.4	54.7	61.4
142.5°	1.9	15.4	34.6	50.9	56.6
145°	1.9	14.4	30.7	47.0	51.8
147.5°	1.9	12.5	27.8	43.2	48.0
150°	1.9	11.5	25.0	39.4	44.2
152.5°	1.9	10.6	22.1	34.6	39.4
155°	1.9	9.6	20.2	29.8	35.5
157.5°	1.9	8.6	17.3	25.9	31.7
160°	2.9	7.7	15.4	22.1	26.9
162.5°	2.9	6.7	12.5	18.2	24.0
165°	2.9	6.7	10.6	14.4	20.2
167.5°	2.9	5.8	8.6	11.5	16.3
170°	2.9	4.8	7.7	8.6	12.5
172.5°	2.9	3.8	5.8	5.8	6.7
175°	2.9	3.8	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)