

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: P566616

Luminaire Tested: **4SNX-60SL-FDL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566616
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-L840-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

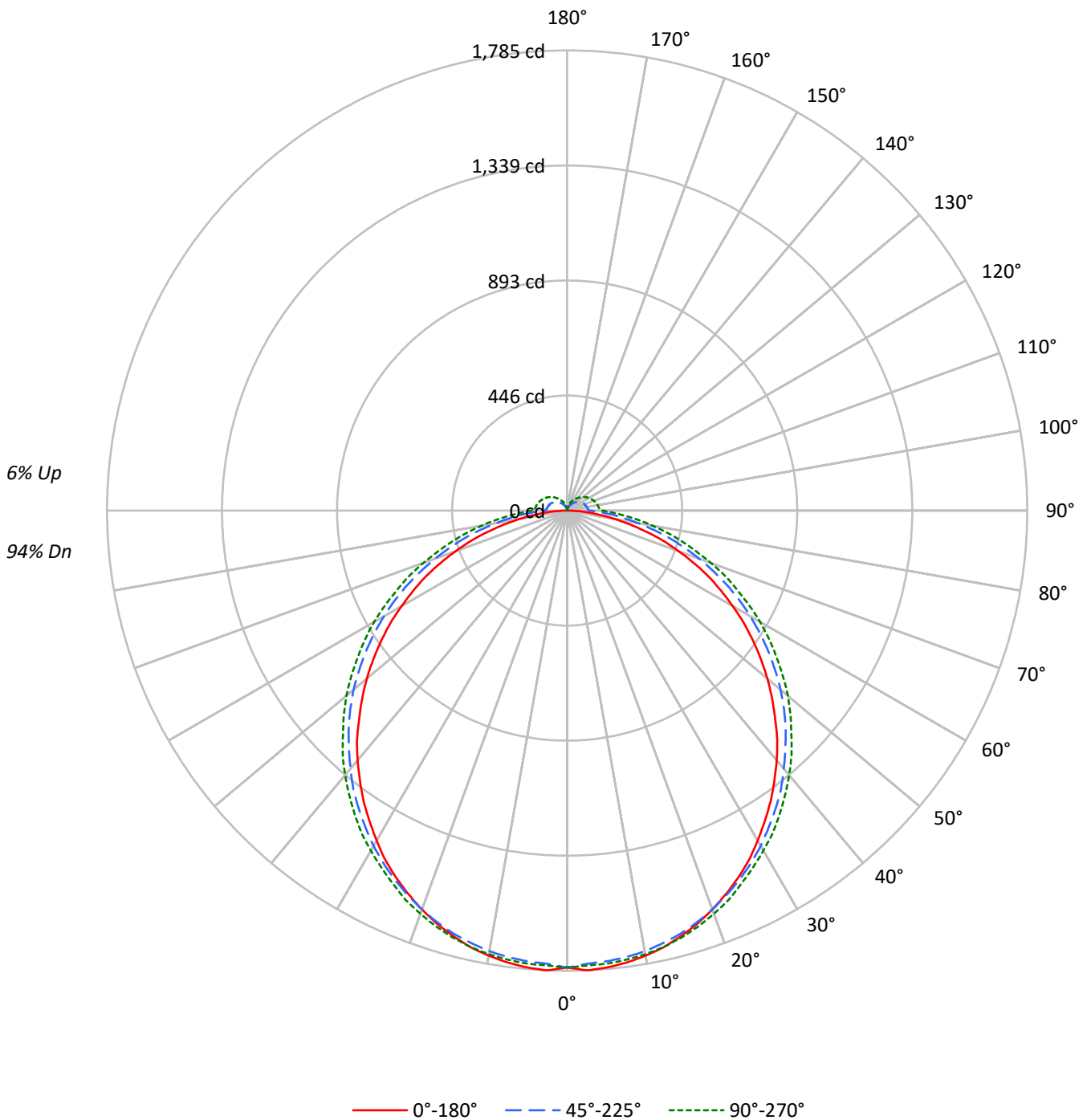
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5632.0 lumens
Efficiency: N/A
Efficacy: 134.1 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 (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	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°	19077	19077	19077
5°	19208	18761	18789
10°	19128	18558	18554
15°	18986	18324	18288
20°	18790	18039	17977
25°	18566	17728	17607
30°	18262	17410	17267
35°	17954	17037	16912
40°	17615	16625	16511
45°	17190	16218	16045
50°	16777	15753	15619
55°	16267	15179	15028
60°	15691	14521	14445
65°	15082	13737	13643
70°	14037	12752	12810
75°	12778	11590	11815
80°	10916	10051	10710
85°	8586	8712	9412



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.1	3.0
10°-20°	482.3	8.6
20°-30°	730.9	13.0
30°-40°	882.3	15.7
40°-50°	921.4	16.4
50°-60°	846.5	15.0
60°-70°	669.4	11.9
70°-80°	423.6	7.5
80°-90°	182.1	3.2
90°-100°	80.1	1.4
100°-110°	71.7	1.3
110°-120°	60.6	1.1
120°-130°	47.2	0.8
130°-140°	32.7	0.6
140°-150°	19.6	0.3
150°-160°	9.6	0.2
160°-170°	3.3	0.1
170°-180°	0.5	0.0
0°-30°	1381.3	24.5
0°-40°	2263.6	40.2
0°-60°	4031.5	71.6
0°-90°	5306.6	94.2
90°-120°	212.5	3.8
90°-150°	312.0	5.5
90°-180°	325.0	5.8
0°-180°	5632.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1772	1772	1772	1772	1772	
5°	1779	1774	1755	1770	1764	169
15°	1708	1708	1700	1717	1714	482
25°	1571	1578	1580	1601	1598	723
35°	1376	1392	1410	1432	1437	860
45°	1141	1169	1199	1222	1230	881
55°	880	916	954	984	991	787
65°	605	639	684	716	727	596
75°	319	357	409	444	461	338
85°	78	120	172	208	221	86
90°	5	43	88	123	136	7
95°	1	37	80	112	124	1
105°	1	34	75	105	116	1
115°	1	29	68	95	105	1
125°	2	26	57	82	91	2
135°	2	20	46	65	73	2
145°	2	15	32	49	54	1
155°	2	10	21	31	37	1
165°	3	7	11	15	21	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°	1772.3	1772.3	1772.3	1772.3	1772.3
2.5°	1785.2	1779.3	1759.3	1773.3	1766.3
5°	1779.3	1774.3	1755.3	1770.3	1764.3
7.5°	1768.3	1764.3	1747.4	1763.3	1757.3
10°	1753.3	1750.3	1735.4	1751.3	1747.4
12.5°	1734.4	1733.4	1718.4	1736.4	1733.4
15°	1708.5	1708.5	1699.5	1717.4	1714.4
17.5°	1680.5	1681.5	1674.5	1693.5	1691.5
20°	1646.6	1651.6	1646.6	1666.6	1664.6
22.5°	1609.7	1616.7	1614.7	1634.7	1635.6
25°	1570.8	1577.8	1579.8	1600.7	1597.7
27.5°	1527.9	1538.9	1542.9	1561.8	1560.8
30°	1478.1	1493.0	1502.0	1518.0	1522.9
32.5°	1427.2	1445.2	1456.1	1478.1	1484.1
35°	1376.3	1392.3	1410.2	1432.2	1437.2
37.5°	1320.5	1338.4	1362.4	1383.3	1389.3
40°	1264.6	1284.6	1307.5	1330.5	1339.4
42.5°	1206.8	1227.7	1252.7	1279.6	1288.6
45°	1141.0	1168.9	1198.8	1221.7	1229.7
47.5°	1078.1	1109.0	1141.0	1165.9	1174.9
50°	1014.3	1047.2	1081.1	1104.1	1118.0
52.5°	947.5	983.4	1017.3	1046.2	1055.2
55°	879.7	915.6	953.5	984.4	991.4
57.5°	813.8	848.7	886.6	915.6	929.5
60°	742.0	779.9	820.8	849.7	864.7
62.5°	672.2	709.1	753.0	783.9	795.9
65°	605.4	639.3	684.2	716.1	727.1
67.5°	531.6	570.5	613.4	650.3	664.2
70°	458.8	495.7	544.6	579.5	593.4
72.5°	391.0	426.9	475.7	510.6	523.6
75°	319.2	357.0	408.9	443.8	460.8
77.5°	250.3	292.2	342.1	380.0	398.9
80°	186.5	223.4	277.3	319.2	336.1
82.5°	126.7	166.6	222.4	261.3	280.3
85°	77.8	119.7	171.5	208.4	221.4
87.5°	36.9	76.8	124.7	160.6	176.5
90°	5.0	42.9	87.8	122.7	135.6
92.5°	1.0	36.9	80.8	113.7	125.7
95°	1.0	36.9	79.8	111.7	123.7
97.5°	1.0	35.9	78.8	110.7	121.7
100°	1.0	34.9	77.8	108.7	120.7
102.5°	1.0	34.9	75.8	106.7	117.7
105°	1.0	33.9	74.8	104.7	115.7
107.5°	1.0	32.9	72.8	102.7	113.7
110°	1.0	30.9	71.8	99.7	110.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	29.9	69.8	97.7	107.7
115°	1.0	28.9	67.8	94.7	104.7
117.5°	1.0	27.9	64.8	91.8	101.7
120°	2.0	27.9	62.8	88.8	97.7
122.5°	2.0	26.9	59.8	84.8	93.8
125°	2.0	25.9	56.8	81.8	90.8
127.5°	2.0	24.9	53.9	77.8	85.8
130°	2.0	22.9	51.9	73.8	81.8
132.5°	2.0	21.9	48.9	68.8	76.8
135°	2.0	19.9	45.9	64.8	72.8
137.5°	2.0	18.9	42.9	60.8	67.8
140°	2.0	18.0	38.9	56.8	63.8
142.5°	2.0	16.0	35.9	52.9	58.8
145°	2.0	15.0	31.9	48.9	53.9
147.5°	2.0	13.0	28.9	44.9	49.9
150°	2.0	12.0	25.9	40.9	45.9
152.5°	2.0	11.0	22.9	35.9	40.9
155°	2.0	10.0	20.9	30.9	36.9
157.5°	2.0	9.0	18.0	26.9	32.9
160°	3.0	8.0	16.0	22.9	27.9
162.5°	3.0	7.0	13.0	18.9	24.9
165°	3.0	7.0	11.0	15.0	20.9
167.5°	3.0	6.0	9.0	12.0	17.0
170°	3.0	5.0	8.0	9.0	13.0
172.5°	3.0	4.0	6.0	6.0	7.0
175°	3.0	4.0	5.0	5.0	3.0
177.5°	3.0	3.0	3.0	3.0	2.0
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)