

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: P566745

Luminaire Tested: **4SNX-67SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-67SL-SLW-UNV-L850-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

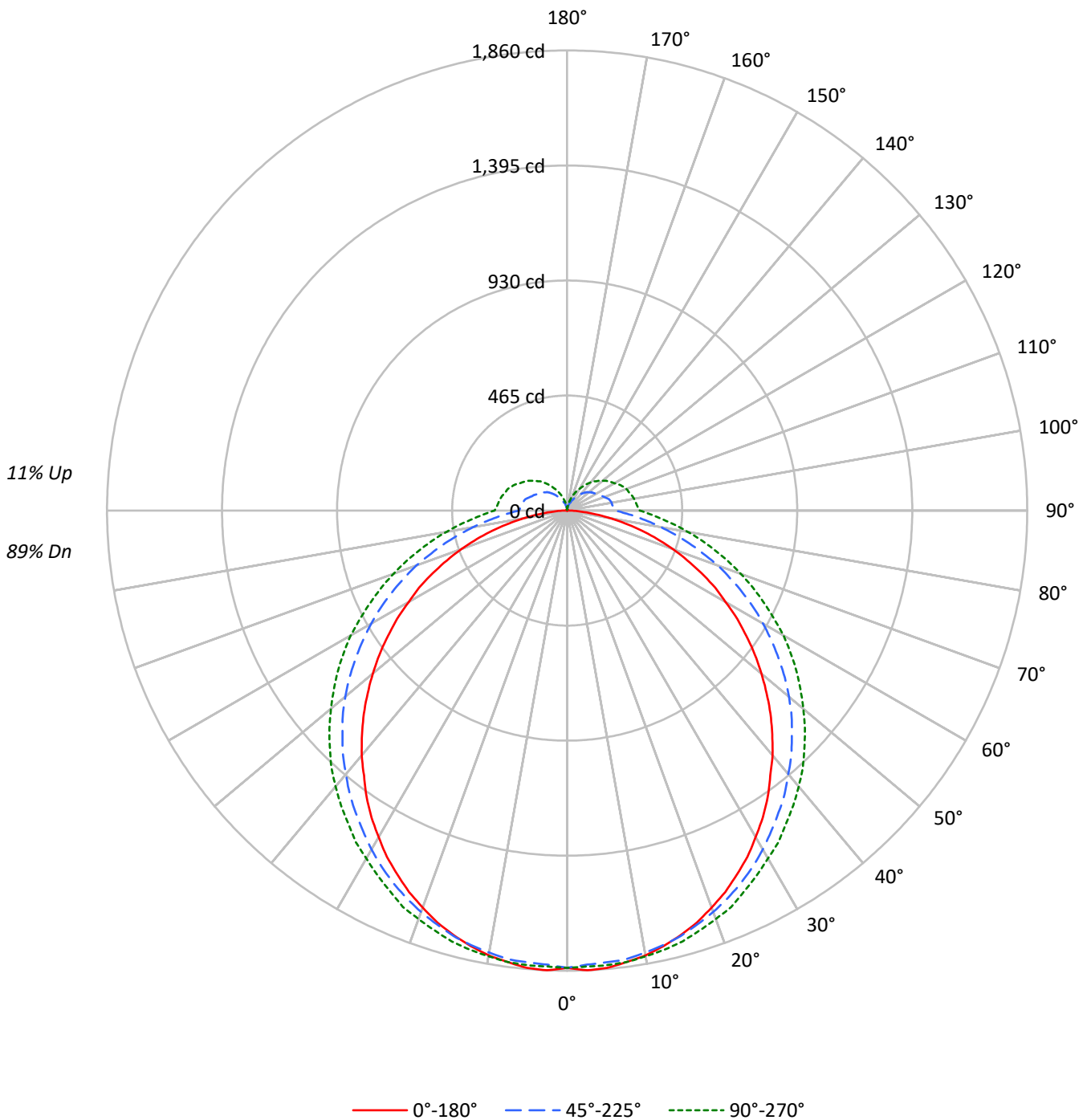
Lumens per Lamp: N/A
Luminaire Lumens: 6580.0 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 47.9
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	116	116	116	116	112	112	112	112	105	105	105		98	98	98		92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83		84	81	79		79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68		73	68	64		68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56		64	58	54		60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47		57	50	46		53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41		51	44	39		48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35		46	39	34		43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31		42	35	30		39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28		38	32	27		36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25		35	29	24		33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23		32	26	22		31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19895	19895	19895
5°	20018	19384	19367
10°	19880	18992	18888
15°	19681	18590	18447
20°	19410	18130	17955
25°	19097	17678	17441
30°	18723	17183	16933
35°	18313	16669	16456
40°	17842	16163	15999
45°	17335	15647	15505
50°	16753	15103	14952
55°	16116	14449	14409
60°	15363	13749	13803
65°	14589	12965	13040
70°	13503	12099	12295
75°	12062	11000	11468
80°	9722	9881	10652
85°	6848	8922	9816



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.6	2.7
10°-20°	504.6	7.7
20°-30°	767.3	11.7
30°-40°	931.4	14.2
40°-50°	984.2	15.0
50°-60°	921.0	14.0
60°-70°	755.7	11.5
70°-80°	519.8	7.9
80°-90°	284.6	4.3
90°-100°	183.3	2.8
100°-110°	164.5	2.5
110°-120°	136.1	2.1
120°-130°	104.8	1.6
130°-140°	73.7	1.1
140°-150°	44.4	0.7
150°-160°	21.3	0.3
160°-170°	7.0	0.1
170°-180°	0.8	0.0
0°-30°	1447.5	22.0
0°-40°	2378.9	36.2
0°-60°	4284.1	65.1
0°-90°	5844.2	88.8
90°-120°	483.9	7.4
90°-150°	706.8	10.7
90°-180°	736.0	11.2
0°-180°	6580.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1848	1848	1848	1848	1848	
5°	1856	1852	1833	1848	1844	176
15°	1776	1784	1780	1803	1803	501
25°	1624	1642	1662	1696	1696	748
35°	1414	1448	1490	1532	1544	883
45°	1162	1216	1284	1342	1357	896
55°	884	957	1044	1109	1132	791
65°	598	678	781	854	876	593
75°	312	396	511	591	617	329
85°	69	164	278	354	381	79
90°	0	92	194	267	293	5
95°	0	88	187	255	282	0
105°	0	72	175	240	263	3
115°	4	65	149	213	240	4
125°	4	53	126	183	206	3
135°	4	42	103	149	168	3
145°	4	30	72	114	126	2
155°	4	19	46	72	84	2
165°	4	11	23	34	42	1
175°	4	4	8	8	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1848.3	1848.3	1848.3	1848.3	1848.3
2.5°	1859.8	1856.0	1836.9	1852.1	1844.5
5°	1856.0	1852.1	1833.1	1848.3	1844.5
7.5°	1840.7	1840.7	1829.3	1844.5	1840.7
10°	1825.5	1825.5	1814.0	1833.1	1829.3
12.5°	1802.6	1806.4	1798.8	1821.7	1817.8
15°	1775.9	1783.6	1779.7	1802.6	1802.6
17.5°	1745.4	1753.1	1753.1	1779.7	1779.7
20°	1707.3	1718.8	1726.4	1756.9	1756.9
22.5°	1669.2	1684.5	1695.9	1722.6	1734.0
25°	1623.5	1642.5	1661.6	1695.9	1695.9
27.5°	1577.8	1600.6	1623.5	1657.8	1661.6
30°	1524.4	1551.1	1581.6	1615.9	1623.5
32.5°	1471.0	1505.3	1535.8	1577.8	1589.2
35°	1413.9	1448.2	1490.1	1532.0	1543.5
37.5°	1349.1	1391.0	1444.4	1490.1	1501.5
40°	1291.9	1337.7	1391.0	1444.4	1455.8
42.5°	1227.1	1276.7	1341.5	1391.0	1410.1
45°	1162.4	1215.7	1284.3	1341.5	1356.7
47.5°	1093.8	1154.7	1231.0	1284.3	1303.4
50°	1025.2	1089.9	1170.0	1231.0	1246.2
52.5°	956.6	1025.2	1109.0	1170.0	1189.0
55°	884.2	956.6	1044.2	1109.0	1131.9
57.5°	815.6	888.0	979.4	1048.0	1070.9
60°	739.3	823.2	914.6	983.2	1009.9
62.5°	674.5	750.8	849.9	918.5	941.3
65°	598.3	678.4	781.3	853.7	876.5
67.5°	525.9	609.8	712.7	788.9	811.7
70°	453.5	537.4	647.9	720.3	747.0
72.5°	381.1	468.8	575.5	655.5	682.2
75°	312.5	396.3	510.7	590.7	617.4
77.5°	240.1	331.6	445.9	525.9	556.4
80°	175.3	270.6	384.9	464.9	495.4
82.5°	118.1	213.4	327.7	407.8	438.3
85°	68.6	163.9	278.2	354.4	381.1
87.5°	34.3	125.8	232.5	308.7	335.4
90°	0.0	91.5	194.4	266.8	293.4
92.5°	0.0	87.7	190.6	259.1	285.8
95°	0.0	87.7	186.7	255.3	282.0
97.5°	0.0	83.8	182.9	255.3	278.2
100°	0.0	80.0	182.9	251.5	274.4
102.5°	0.0	76.2	179.1	247.7	270.6
105°	0.0	72.4	175.3	240.1	263.0
107.5°	3.8	72.4	167.7	236.3	259.1
110°	3.8	68.6	160.1	232.5	255.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.8	64.8	152.4	224.8	247.7
115°	3.8	64.8	148.6	213.4	240.1
117.5°	3.8	61.0	141.0	205.8	232.5
120°	3.8	61.0	137.2	198.2	221.0
122.5°	3.8	57.2	129.6	190.6	213.4
125°	3.8	53.4	125.8	182.9	205.8
127.5°	3.8	49.5	122.0	175.3	198.2
130°	3.8	45.7	114.3	167.7	186.7
132.5°	3.8	45.7	110.5	156.3	179.1
135°	3.8	41.9	102.9	148.6	167.7
137.5°	3.8	38.1	95.3	141.0	160.1
140°	3.8	34.3	87.7	133.4	148.6
142.5°	3.8	34.3	80.0	122.0	137.2
145°	3.8	30.5	72.4	114.3	125.8
147.5°	3.8	26.7	64.8	102.9	114.3
150°	3.8	26.7	57.2	91.5	102.9
152.5°	3.8	22.9	49.5	83.8	95.3
155°	3.8	19.1	45.7	72.4	83.8
157.5°	3.8	19.1	38.1	61.0	72.4
160°	3.8	15.2	34.3	49.5	61.0
162.5°	3.8	15.2	30.5	41.9	53.4
165°	3.8	11.4	22.9	34.3	41.9
167.5°	3.8	11.4	19.1	26.7	34.3
170°	3.8	7.6	15.2	19.1	26.7
172.5°	3.8	7.6	11.4	11.4	11.4
175°	3.8	3.8	7.6	7.6	3.8
177.5°	3.8	3.8	3.8	3.8	3.8
180°	3.8	3.8	3.8	3.8	3.8

(END OF REPORT)