

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: P566743

Luminaire Tested: **4SNX-67SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566743
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-L835-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

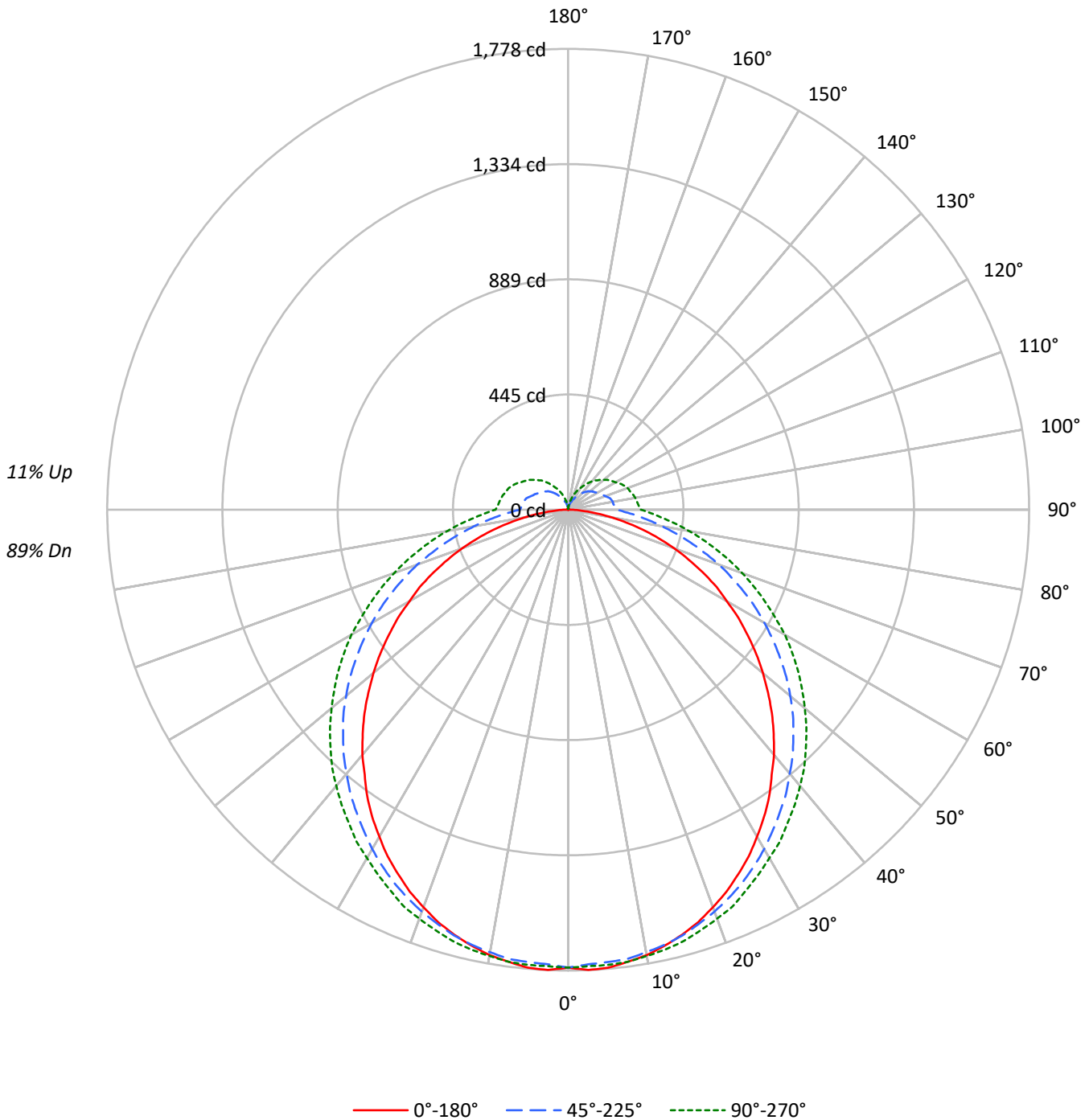
Lumens per Lamp: N/A
Luminaire Lumens: 6289.0 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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

TEST NUMBER: P566743

CATALOG NUMBER: 4SNX-67SL-SLW-UNV-L835-CD

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°	19016	19016	19016
5°	19132	18526	18512
10°	19000	18152	18053
15°	18811	17768	17631
20°	18552	17327	17161
25°	18252	16896	16670
30°	17895	16423	16184
35°	17504	15932	15728
40°	17054	15448	15291
45°	16568	14955	14819
50°	16011	14434	14291
55°	15403	13809	13772
60°	14684	13142	13194
65°	13946	12390	12464
70°	12907	11563	11750
75°	11530	10513	10961
80°	9295	9445	10181
85°	6549	8527	9381



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.8	2.7
10°-20°	482.3	7.7
20°-30°	733.3	11.7
30°-40°	890.2	14.2
40°-50°	940.7	15.0
50°-60°	880.3	14.0
60°-70°	722.3	11.5
70°-80°	496.8	7.9
80°-90°	272.1	4.3
90°-100°	175.2	2.8
100°-110°	157.2	2.5
110°-120°	130.1	2.1
120°-130°	100.2	1.6
130°-140°	70.4	1.1
140°-150°	42.4	0.7
150°-160°	20.3	0.3
160°-170°	6.7	0.1
170°-180°	0.8	0.0
0°-30°	1383.4	22.0
0°-40°	2273.7	36.2
0°-60°	4094.6	65.1
0°-90°	5585.7	88.8
90°-120°	462.5	7.4
90°-150°	675.5	10.7
90°-180°	703.0	11.2
0°-180°	6289.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1767	1767	1767	1767	1767	
5°	1774	1770	1752	1767	1763	168
15°	1697	1705	1701	1723	1723	479
25°	1552	1570	1588	1621	1621	715
35°	1351	1384	1424	1464	1475	844
45°	1111	1162	1228	1282	1297	856
55°	845	914	998	1060	1082	756
65°	572	648	747	816	838	566
75°	299	379	488	565	590	314
85°	66	157	266	339	364	76
90°	0	87	186	255	280	4
95°	0	84	178	244	270	0
105°	0	69	168	230	251	2
115°	4	62	142	204	230	4
125°	4	51	120	175	197	3
135°	4	40	98	142	160	3
145°	4	29	69	109	120	2
155°	4	18	44	69	80	2
165°	4	11	22	33	40	1
175°	4	4	7	7	4	0
180°	4	4	4	4	4	



TEST NUMBER: P566743

CATALOG NUMBER: 4SNX-67SL-SLW-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1766.6	1766.6	1766.6	1766.6	1766.6
2.5°	1777.5	1773.9	1755.7	1770.2	1763.0
5°	1773.9	1770.2	1752.0	1766.6	1763.0
7.5°	1759.3	1759.3	1748.4	1763.0	1759.3
10°	1744.7	1744.7	1733.8	1752.0	1748.4
12.5°	1722.9	1726.5	1719.2	1741.1	1737.5
15°	1697.4	1704.7	1701.0	1722.9	1722.9
17.5°	1668.2	1675.5	1675.5	1701.0	1701.0
20°	1631.8	1642.8	1650.0	1679.2	1679.2
22.5°	1595.4	1610.0	1620.9	1646.4	1657.3
25°	1551.7	1569.9	1588.1	1620.9	1620.9
27.5°	1508.0	1529.8	1551.7	1584.5	1588.1
30°	1457.0	1482.5	1511.6	1544.4	1551.7
32.5°	1406.0	1438.8	1467.9	1508.0	1518.9
35°	1351.4	1384.1	1424.2	1464.3	1475.2
37.5°	1289.4	1329.5	1380.5	1424.2	1435.1
40°	1234.8	1278.5	1329.5	1380.5	1391.4
42.5°	1172.9	1220.2	1282.1	1329.5	1347.7
45°	1111.0	1161.9	1227.5	1282.1	1296.7
47.5°	1045.4	1103.7	1176.5	1227.5	1245.7
50°	979.8	1041.7	1118.2	1176.5	1191.1
52.5°	914.3	979.8	1060.0	1118.2	1136.4
55°	845.1	914.3	998.0	1060.0	1081.8
57.5°	779.5	848.7	936.1	1001.7	1023.5
60°	706.6	786.8	874.2	939.8	965.3
62.5°	644.7	717.6	812.3	877.8	899.7
65°	571.9	648.4	746.7	815.9	837.8
67.5°	502.7	582.8	681.1	754.0	775.8
70°	433.5	513.6	619.2	688.4	713.9
72.5°	364.2	448.0	550.0	626.5	652.0
75°	298.7	378.8	488.1	564.6	590.1
77.5°	229.5	316.9	426.2	502.7	531.8
80°	167.6	258.6	367.9	444.4	473.5
82.5°	112.9	204.0	313.3	389.7	418.9
85°	65.6	156.6	265.9	338.7	364.2
87.5°	32.8	120.2	222.2	295.0	320.5
90°	0.0	87.4	185.8	255.0	280.5
92.5°	0.0	83.8	182.1	247.7	273.2
95°	0.0	83.8	178.5	244.0	269.5
97.5°	0.0	80.1	174.8	244.0	265.9
100°	0.0	76.5	174.8	240.4	262.3
102.5°	0.0	72.8	171.2	236.8	258.6
105°	0.0	69.2	167.6	229.5	251.3
107.5°	3.6	69.2	160.3	225.8	247.7
110°	3.6	65.6	153.0	222.2	244.0



TEST NUMBER: P566743

CATALOG NUMBER: 4SNX-67SL-SLW-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.6	61.9	145.7	214.9	236.8
115°	3.6	61.9	142.1	204.0	229.5
117.5°	3.6	58.3	134.8	196.7	222.2
120°	3.6	58.3	131.1	189.4	211.3
122.5°	3.6	54.6	123.8	182.1	204.0
125°	3.6	51.0	120.2	174.8	196.7
127.5°	3.6	47.4	116.6	167.6	189.4
130°	3.6	43.7	109.3	160.3	178.5
132.5°	3.6	43.7	105.6	149.3	171.2
135°	3.6	40.1	98.3	142.1	160.3
137.5°	3.6	36.4	91.1	134.8	153.0
140°	3.6	32.8	83.8	127.5	142.1
142.5°	3.6	32.8	76.5	116.6	131.1
145°	3.6	29.1	69.2	109.3	120.2
147.5°	3.6	25.5	61.9	98.3	109.3
150°	3.6	25.5	54.6	87.4	98.3
152.5°	3.6	21.9	47.4	80.1	91.1
155°	3.6	18.2	43.7	69.2	80.1
157.5°	3.6	18.2	36.4	58.3	69.2
160°	3.6	14.6	32.8	47.4	58.3
162.5°	3.6	14.6	29.1	40.1	51.0
165°	3.6	10.9	21.9	32.8	40.1
167.5°	3.6	10.9	18.2	25.5	32.8
170°	3.6	7.3	14.6	18.2	25.5
172.5°	3.6	7.3	10.9	10.9	10.9
175°	3.6	3.6	7.3	7.3	3.6
177.5°	3.6	3.6	3.6	3.6	3.6
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)