

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: P566742

Luminaire Tested: **4SNX-67SL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566742
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-L830-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

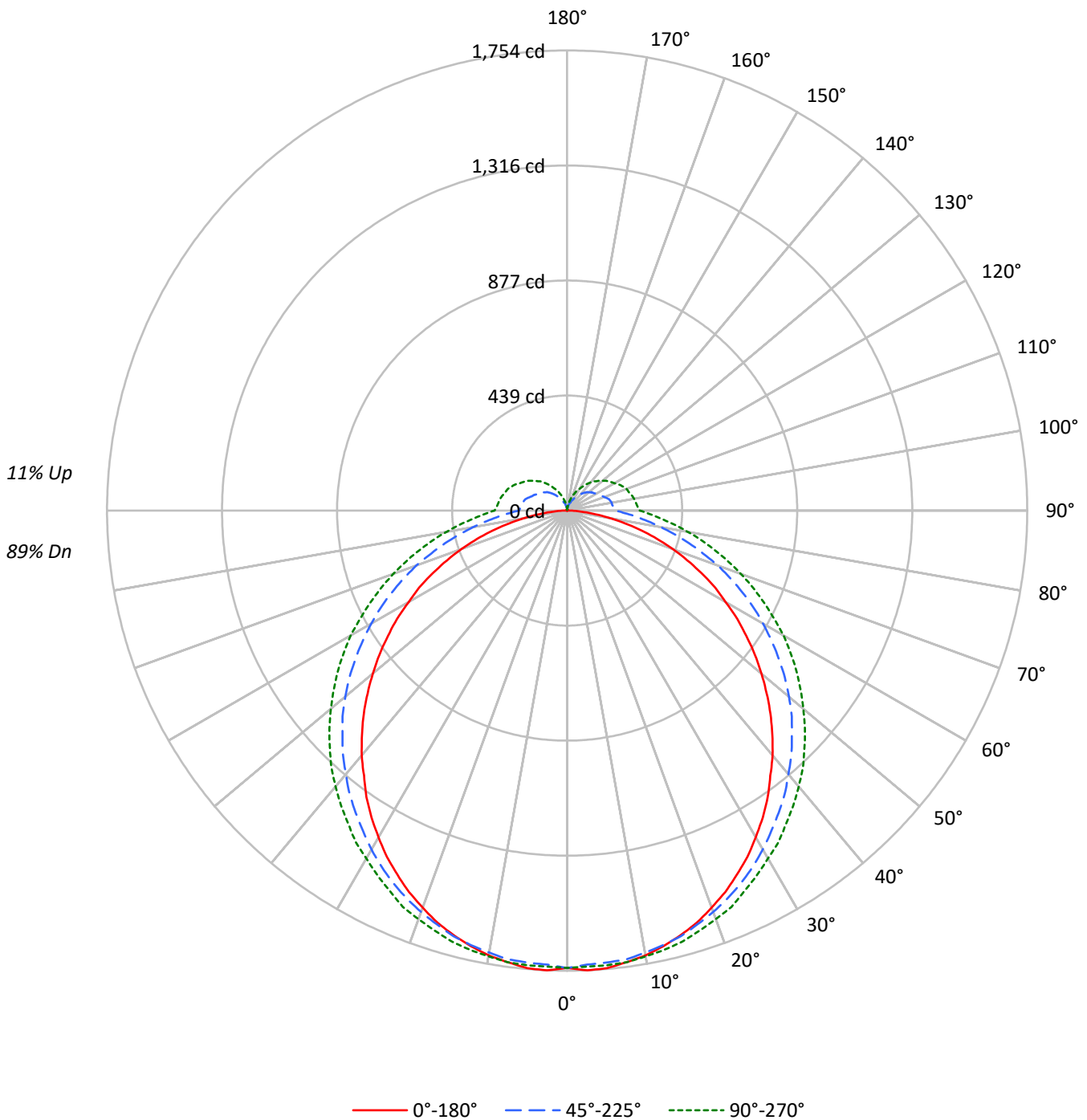
Lumens per Lamp: N/A
Luminaire Lumens: 6206.0 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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	77	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°	18765	18765	18765
5°	18880	18282	18267
10°	18750	17912	17815
15°	18562	17534	17398
20°	18307	17099	16934
25°	18011	16674	16450
30°	17659	16207	15970
35°	17272	15722	15520
40°	16828	15245	15090
45°	16349	14758	14624
50°	15801	14245	14103
55°	15199	13628	13590
60°	14491	12969	13019
65°	13760	12228	12299
70°	12734	11410	11595
75°	11375	10373	10816
80°	9168	9319	10048
85°	6459	8415	9257



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.6	2.7
10°-20°	475.9	7.7
20°-30°	723.7	11.7
30°-40°	878.5	14.2
40°-50°	928.3	15.0
50°-60°	868.7	14.0
60°-70°	712.7	11.5
70°-80°	490.2	7.9
80°-90°	268.5	4.3
90°-100°	172.9	2.8
100°-110°	155.1	2.5
110°-120°	128.4	2.1
120°-130°	98.9	1.6
130°-140°	69.5	1.1
140°-150°	41.9	0.7
150°-160°	20.0	0.3
160°-170°	6.6	0.1
170°-180°	0.8	0.0
0°-30°	1365.2	22.0
0°-40°	2243.6	36.2
0°-60°	4040.6	65.1
0°-90°	5512.0	88.8
90°-120°	456.4	7.4
90°-150°	666.6	10.7
90°-180°	694.0	11.2
0°-180°	6206.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1743	1743	1743	1743	1743	
5°	1750	1747	1729	1743	1740	166
15°	1675	1682	1679	1700	1700	472
25°	1531	1549	1567	1600	1600	706
35°	1334	1366	1405	1445	1456	833
45°	1096	1147	1211	1265	1280	845
55°	834	902	985	1046	1068	746
65°	564	640	737	805	827	559
75°	295	374	482	557	582	310
85°	65	155	262	334	359	75
90°	0	86	183	252	277	4
95°	0	83	176	241	266	0
105°	0	68	165	226	248	2
115°	4	61	140	201	226	4
125°	4	50	119	172	194	3
135°	4	40	97	140	158	3
145°	4	29	68	108	119	2
155°	4	18	43	68	79	2
165°	4	11	22	32	40	1
175°	4	4	7	7	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1743.3	1743.3	1743.3	1743.3	1743.3
2.5°	1754.1	1750.5	1732.5	1746.9	1739.7
5°	1750.5	1746.9	1728.9	1743.3	1739.7
7.5°	1736.1	1736.1	1725.3	1739.7	1736.1
10°	1721.7	1721.7	1710.9	1728.9	1725.3
12.5°	1700.1	1703.7	1696.6	1718.1	1714.5
15°	1675.0	1682.2	1678.6	1700.1	1700.1
17.5°	1646.2	1653.4	1653.4	1678.6	1678.6
20°	1610.3	1621.1	1628.3	1657.0	1657.0
22.5°	1574.3	1588.7	1599.5	1624.7	1635.4
25°	1531.2	1549.2	1567.2	1599.5	1599.5
27.5°	1488.1	1509.6	1531.2	1563.6	1567.2
30°	1437.8	1462.9	1491.7	1524.0	1531.2
32.5°	1387.4	1419.8	1448.5	1488.1	1498.9
35°	1333.5	1365.9	1405.4	1444.9	1455.7
37.5°	1272.4	1312.0	1362.3	1405.4	1416.2
40°	1218.5	1261.6	1312.0	1362.3	1373.1
42.5°	1157.4	1204.1	1265.2	1312.0	1329.9
45°	1096.3	1146.6	1211.3	1265.2	1279.6
47.5°	1031.6	1089.1	1161.0	1211.3	1229.3
50°	966.9	1028.0	1103.5	1161.0	1175.4
52.5°	902.2	966.9	1046.0	1103.5	1121.5
55°	833.9	902.2	984.9	1046.0	1067.5
57.5°	769.2	837.5	923.8	988.5	1010.0
60°	697.3	776.4	862.7	927.4	952.5
62.5°	636.2	708.1	801.5	866.2	887.8
65°	564.3	639.8	736.9	805.1	826.7
67.5°	496.0	575.1	672.2	744.0	765.6
70°	427.7	506.8	611.0	679.3	704.5
72.5°	359.4	442.1	542.8	618.2	643.4
75°	294.7	373.8	481.6	557.1	582.3
77.5°	226.4	312.7	420.5	496.0	524.8
80°	165.3	255.2	363.0	438.5	467.3
82.5°	111.4	201.3	309.1	384.6	413.4
85°	64.7	154.6	262.4	334.3	359.4
87.5°	32.3	118.6	219.3	291.1	316.3
90°	0.0	86.3	183.3	251.6	276.8
92.5°	0.0	82.7	179.7	244.4	269.6
95°	0.0	82.7	176.1	240.8	266.0
97.5°	0.0	79.1	172.5	240.8	262.4
100°	0.0	75.5	172.5	237.2	258.8
102.5°	0.0	71.9	168.9	233.6	255.2
105°	0.0	68.3	165.3	226.4	248.0
107.5°	3.6	68.3	158.2	222.9	244.4
110°	3.6	64.7	151.0	219.3	240.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.6	61.1	143.8	212.1	233.6
115°	3.6	61.1	140.2	201.3	226.4
117.5°	3.6	57.5	133.0	194.1	219.3
120°	3.6	57.5	129.4	186.9	208.5
122.5°	3.6	53.9	122.2	179.7	201.3
125°	3.6	50.3	118.6	172.5	194.1
127.5°	3.6	46.7	115.0	165.3	186.9
130°	3.6	43.1	107.8	158.2	176.1
132.5°	3.6	43.1	104.2	147.4	168.9
135°	3.6	39.5	97.0	140.2	158.2
137.5°	3.6	35.9	89.9	133.0	151.0
140°	3.6	32.3	82.7	125.8	140.2
142.5°	3.6	32.3	75.5	115.0	129.4
145°	3.6	28.8	68.3	107.8	118.6
147.5°	3.6	25.2	61.1	97.0	107.8
150°	3.6	25.2	53.9	86.3	97.0
152.5°	3.6	21.6	46.7	79.1	89.9
155°	3.6	18.0	43.1	68.3	79.1
157.5°	3.6	18.0	35.9	57.5	68.3
160°	3.6	14.4	32.3	46.7	57.5
162.5°	3.6	14.4	28.8	39.5	50.3
165°	3.6	10.8	21.6	32.3	39.5
167.5°	3.6	10.8	18.0	25.2	32.3
170°	3.6	7.2	14.4	18.0	25.2
172.5°	3.6	7.2	10.8	10.8	10.8
175°	3.6	3.6	7.2	7.2	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)