

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: P567927

Luminaire Tested: **8SNX-66SL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567927
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: 8SNX-66SL-FDL-UNV-L935-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

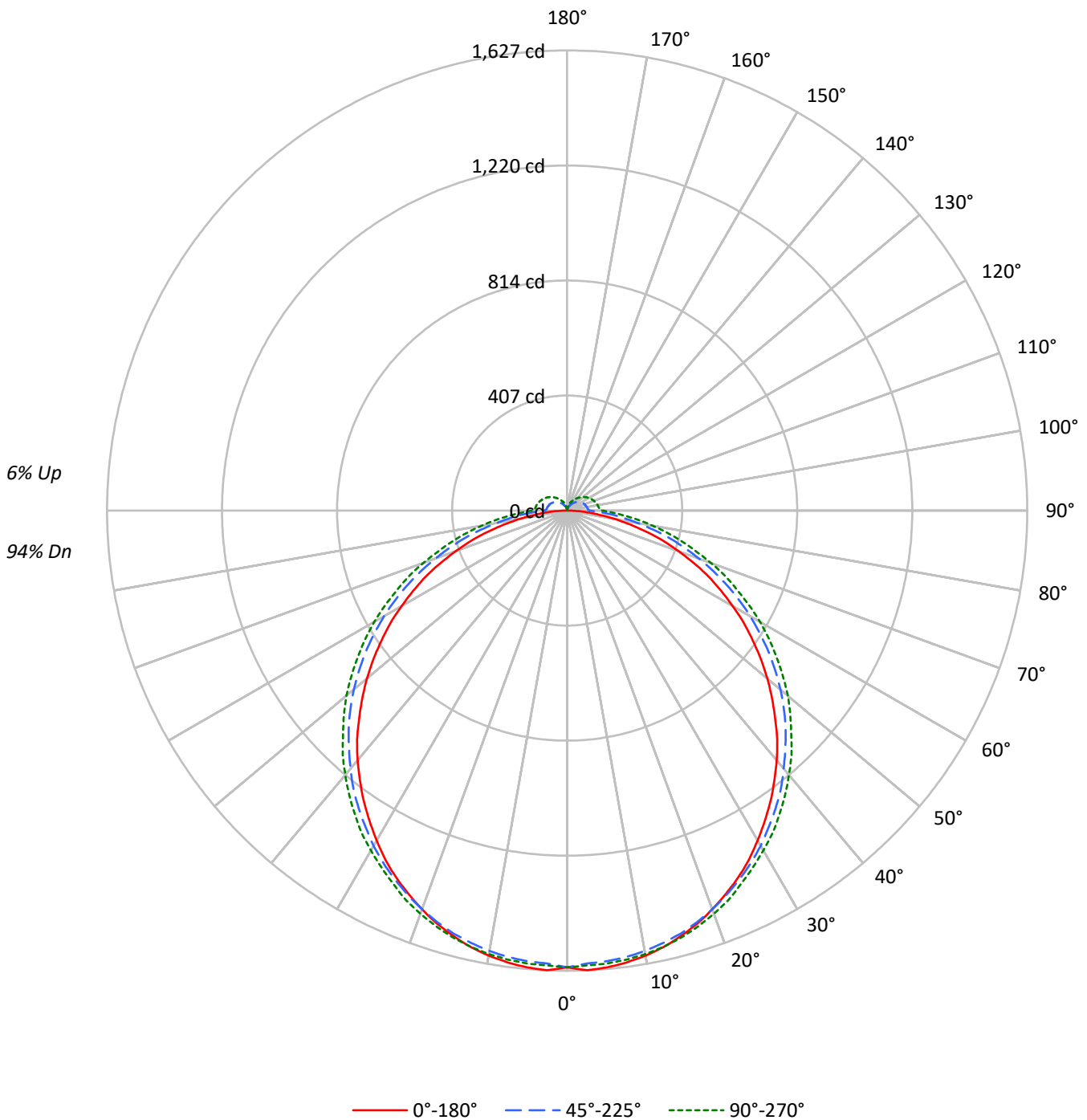
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5132.0 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 42.2
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	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°	8691	8691	8691
5°	8755	8550	8561
10°	8723	8460	8453
15°	8662	8356	8332
20°	8577	8229	8190
25°	8480	8090	8022
30°	8345	7948	7867
35°	8210	7781	7705
40°	8061	7596	7523
45°	7872	7414	7311
50°	7691	7205	7117
55°	7466	6946	6847
60°	7212	6650	6581
65°	6947	6298	6215
70°	6485	5854	5836
75°	5932	5330	5383
80°	5115	4635	4880
85°	4132	4040	4290



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.2	3.0
10°-20°	439.5	8.6
20°-30°	666.0	13.0
30°-40°	804.0	15.7
40°-50°	839.6	16.4
50°-60°	771.3	15.0
60°-70°	609.9	11.9
70°-80°	386.0	7.5
80°-90°	165.9	3.2
90°-100°	73.0	1.4
100°-110°	65.4	1.3
110°-120°	55.2	1.1
120°-130°	43.0	0.8
130°-140°	29.8	0.6
140°-150°	17.9	0.3
150°-160°	8.7	0.2
160°-170°	3.0	0.1
170°-180°	0.4	0.0
0°-30°	1258.7	24.5
0°-40°	2062.7	40.2
0°-60°	3673.6	71.6
0°-90°	4835.5	94.2
90°-120°	193.6	3.8
90°-150°	284.3	5.5
90°-180°	297.0	5.8
0°-180°	5132.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1615	1615	1615	1615	1615	
5°	1621	1617	1600	1613	1608	154
15°	1557	1557	1549	1565	1562	439
25°	1431	1438	1440	1459	1456	659
35°	1254	1269	1285	1305	1310	784
45°	1040	1065	1092	1113	1121	803
55°	802	834	869	897	903	717
65°	552	582	623	652	662	543
75°	291	325	373	404	420	308
85°	71	109	156	190	202	78
90°	4	39	80	112	124	6
95°	1	34	73	102	113	1
105°	1	31	68	95	105	1
115°	1	26	62	86	95	1
125°	2	24	52	74	83	2
135°	2	18	42	59	66	1
145°	2	14	29	44	49	1
155°	2	9	19	28	34	1
165°	3	6	10	14	19	1
175°	3	4	4	4	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1614.9	1614.9	1614.9	1614.9	1614.9
2.5°	1626.8	1621.3	1603.1	1615.9	1609.5
5°	1621.3	1616.8	1599.5	1613.1	1607.7
7.5°	1611.3	1607.7	1592.2	1606.8	1601.3
10°	1597.7	1595.0	1581.3	1595.9	1592.2
12.5°	1580.4	1579.5	1565.9	1582.2	1579.5
15°	1556.8	1556.8	1548.6	1565.0	1562.2
17.5°	1531.3	1532.2	1525.9	1543.1	1541.3
20°	1500.4	1505.0	1500.4	1518.6	1516.8
22.5°	1466.8	1473.2	1471.4	1489.5	1490.4
25°	1431.4	1437.7	1439.5	1458.6	1455.9
27.5°	1392.3	1402.3	1405.9	1423.2	1422.3
30°	1346.8	1360.5	1368.7	1383.2	1387.7
32.5°	1300.5	1316.9	1326.9	1346.8	1352.3
35°	1254.1	1268.7	1285.0	1305.0	1309.6
37.5°	1203.3	1219.6	1241.4	1260.5	1266.0
40°	1152.4	1170.5	1191.4	1212.3	1220.5
42.5°	1099.7	1118.7	1141.5	1166.0	1174.2
45°	1039.7	1065.1	1092.4	1113.3	1120.6
47.5°	982.4	1010.6	1039.7	1062.4	1070.6
50°	924.3	954.2	985.1	1006.0	1018.8
52.5°	863.4	896.1	927.0	953.3	961.5
55°	801.6	834.3	868.8	897.0	903.4
57.5°	741.6	773.4	807.9	834.3	847.0
60°	676.1	710.7	747.9	774.3	787.9
62.5°	612.5	646.2	686.1	714.3	725.2
65°	551.6	582.5	623.4	652.5	662.5
67.5°	484.4	519.8	558.9	592.5	605.3
70°	418.0	451.7	496.2	528.0	540.7
72.5°	356.3	389.0	433.5	465.3	477.1
75°	290.8	325.4	372.6	404.4	419.9
77.5°	228.1	266.3	311.7	346.3	363.5
80°	169.9	203.6	252.6	290.8	306.3
82.5°	115.4	151.8	202.7	238.1	255.4
85°	70.9	109.1	156.3	189.9	201.8
87.5°	33.6	70.0	113.6	146.3	160.9
90°	4.5	39.1	80.0	111.8	123.6
92.5°	0.9	33.6	73.6	103.6	114.5
95°	0.9	33.6	72.7	101.8	112.7
97.5°	0.9	32.7	71.8	100.9	110.9
100°	0.9	31.8	70.9	99.1	110.0
102.5°	0.9	31.8	69.1	97.2	107.2
105°	0.9	30.9	68.2	95.4	105.4
107.5°	0.9	30.0	66.3	93.6	103.6
110°	0.9	28.2	65.4	90.9	100.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	27.3	63.6	89.1	98.2
115°	0.9	26.4	61.8	86.3	95.4
117.5°	0.9	25.4	59.1	83.6	92.7
120°	1.8	25.4	57.3	80.9	89.1
122.5°	1.8	24.5	54.5	77.2	85.4
125°	1.8	23.6	51.8	74.5	82.7
127.5°	1.8	22.7	49.1	70.9	78.2
130°	1.8	20.9	47.3	67.3	74.5
132.5°	1.8	20.0	44.5	62.7	70.0
135°	1.8	18.2	41.8	59.1	66.3
137.5°	1.8	17.3	39.1	55.4	61.8
140°	1.8	16.4	35.4	51.8	58.2
142.5°	1.8	14.5	32.7	48.2	53.6
145°	1.8	13.6	29.1	44.5	49.1
147.5°	1.8	11.8	26.4	40.9	45.4
150°	1.8	10.9	23.6	37.3	41.8
152.5°	1.8	10.0	20.9	32.7	37.3
155°	1.8	9.1	19.1	28.2	33.6
157.5°	1.8	8.2	16.4	24.5	30.0
160°	2.7	7.3	14.5	20.9	25.4
162.5°	2.7	6.4	11.8	17.3	22.7
165°	2.7	6.4	10.0	13.6	19.1
167.5°	2.7	5.5	8.2	10.9	15.4
170°	2.7	4.5	7.3	8.2	11.8
172.5°	2.7	3.6	5.5	5.5	6.4
175°	2.7	3.6	4.5	4.5	2.7
177.5°	2.7	2.7	2.7	2.7	1.8
180°	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)