

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: P567928

Luminaire Tested: **8SNX-66SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567928
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-L940-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

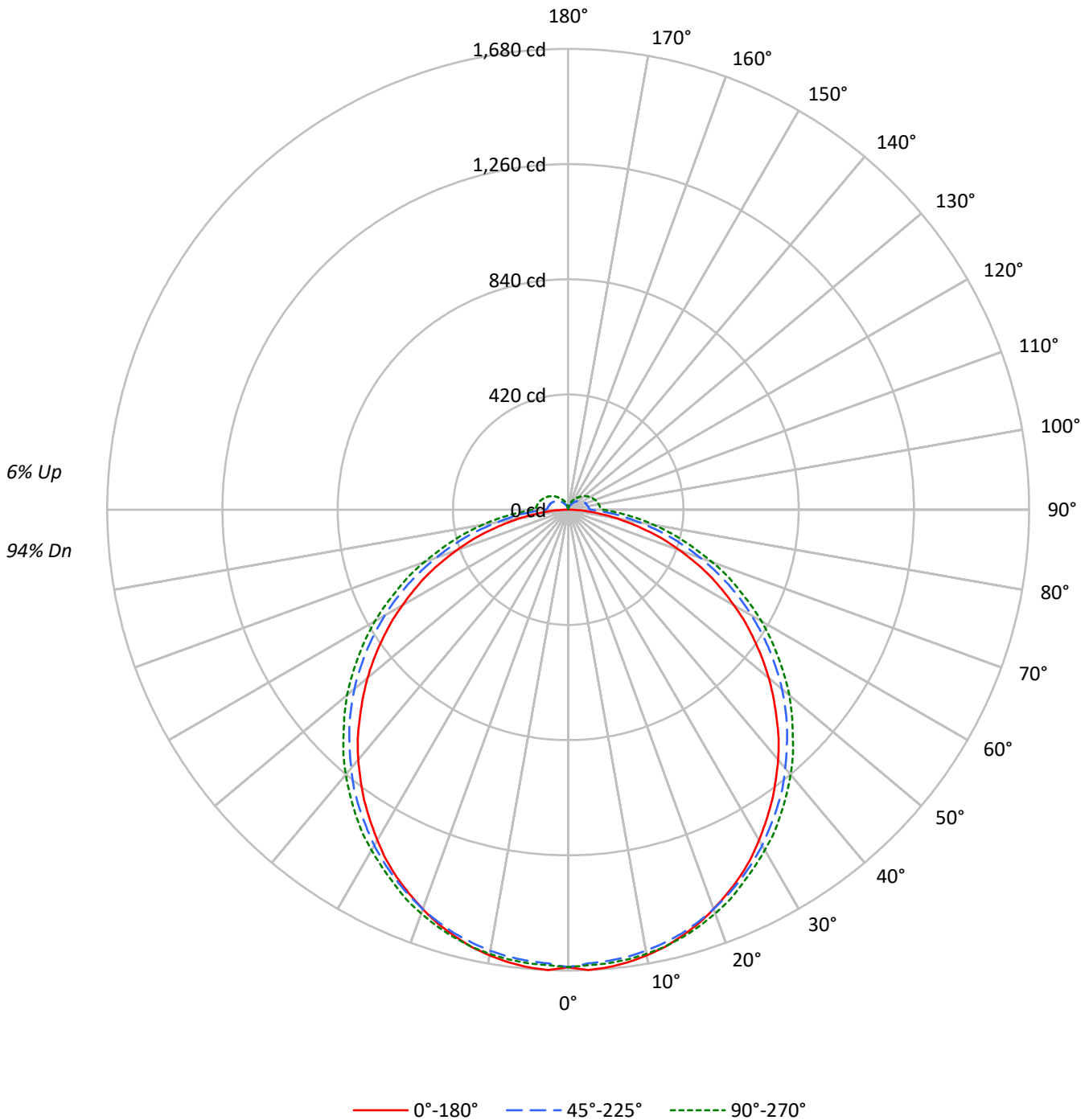
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5300.0 lumens
Efficiency: N/A
Efficacy: 125.6 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°	8976	8976	8976
5°	9042	8831	8841
10°	9009	8738	8730
15°	8945	8630	8605
20°	8858	8499	8458
25°	8757	8355	8285
30°	8618	8208	8125
35°	8479	8035	7957
40°	8325	7844	7769
45°	8130	7656	7549
50°	7943	7441	7349
55°	7710	7174	7071
60°	7449	6868	6797
65°	7175	6504	6419
70°	6697	6046	6027
75°	6125	5505	5559
80°	5283	4787	5040
85°	4266	4172	4430



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.2	3.0
10°-20°	453.9	8.6
20°-30°	687.8	13.0
30°-40°	830.3	15.7
40°-50°	867.1	16.4
50°-60°	796.6	15.0
60°-70°	629.9	11.9
70°-80°	398.7	7.5
80°-90°	171.4	3.2
90°-100°	75.4	1.4
100°-110°	67.5	1.3
110°-120°	57.0	1.1
120°-130°	44.4	0.8
130°-140°	30.8	0.6
140°-150°	18.5	0.3
150°-160°	9.0	0.2
160°-170°	3.1	0.1
170°-180°	0.5	0.0
0°-30°	1299.9	24.5
0°-40°	2130.2	40.2
0°-60°	3793.8	71.6
0°-90°	4993.8	94.2
90°-120°	199.9	3.8
90°-150°	293.6	5.5
90°-180°	306.0	5.8
0°-180°	5300.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1668	1668	1668	1668	1668	
5°	1674	1670	1652	1666	1660	159
15°	1608	1608	1599	1616	1613	454
25°	1478	1485	1487	1506	1504	681
35°	1295	1310	1327	1348	1352	810
45°	1074	1100	1128	1150	1157	829
55°	828	862	897	926	933	741
65°	570	602	644	674	684	561
75°	300	336	385	418	434	318
85°	73	113	161	196	208	81
90°	5	40	83	115	128	6
95°	1	35	75	105	116	1
105°	1	32	70	98	109	1
115°	1	27	64	89	98	1
125°	2	24	54	77	85	2
135°	2	19	43	61	68	1
145°	2	14	30	46	51	1
155°	2	9	20	29	35	1
165°	3	7	10	14	20	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°	1667.8	1667.8	1667.8	1667.8	1667.8
2.5°	1680.0	1674.4	1655.6	1668.7	1662.2
5°	1674.4	1669.7	1651.9	1665.9	1660.3
7.5°	1664.1	1660.3	1644.3	1659.4	1653.7
10°	1650.0	1647.2	1633.1	1648.1	1644.3
12.5°	1632.1	1631.2	1617.1	1634.0	1631.2
15°	1607.7	1607.7	1599.3	1616.2	1613.4
17.5°	1581.5	1582.4	1575.8	1593.7	1591.8
20°	1549.6	1554.2	1549.6	1568.3	1566.4
22.5°	1514.8	1521.4	1519.5	1538.3	1539.2
25°	1478.2	1484.8	1486.7	1506.4	1503.6
27.5°	1437.9	1448.2	1451.9	1469.8	1468.8
30°	1390.9	1405.0	1413.5	1428.5	1433.2
32.5°	1343.1	1360.0	1370.3	1390.9	1396.6
35°	1295.2	1310.2	1327.1	1347.8	1352.5
37.5°	1242.6	1259.5	1282.1	1301.8	1307.4
40°	1190.1	1208.9	1230.4	1252.0	1260.5
42.5°	1135.7	1155.4	1178.8	1204.2	1212.6
45°	1073.7	1100.0	1128.1	1149.7	1157.2
47.5°	1014.6	1043.7	1073.7	1097.2	1105.6
50°	954.5	985.5	1017.4	1039.0	1052.1
52.5°	891.6	925.4	957.3	984.5	993.0
55°	827.8	861.6	897.3	926.4	932.9
57.5°	765.9	798.7	834.4	861.6	874.7
60°	698.3	733.9	772.4	799.6	813.7
62.5°	632.6	667.3	708.6	737.7	749.0
65°	569.7	601.6	643.8	673.9	684.2
67.5°	500.2	536.9	577.2	611.9	625.1
70°	431.7	466.5	512.5	545.3	558.4
72.5°	367.9	401.7	447.7	480.5	492.7
75°	300.3	336.0	384.8	417.7	433.6
77.5°	235.6	275.0	321.9	357.6	375.4
80°	175.5	210.2	260.9	300.3	316.3
82.5°	119.2	156.7	209.3	245.9	263.7
85°	73.2	112.6	161.4	196.2	208.4
87.5°	34.7	72.3	117.3	151.1	166.1
90°	4.7	40.4	82.6	115.4	127.6
92.5°	0.9	34.7	76.0	107.0	118.3
95°	0.9	34.7	75.1	105.1	116.4
97.5°	0.9	33.8	74.1	104.2	114.5
100°	0.9	32.8	73.2	102.3	113.6
102.5°	0.9	32.8	71.3	100.4	110.7
105°	0.9	31.9	70.4	98.5	108.9
107.5°	0.9	31.0	68.5	96.7	107.0
110°	0.9	29.1	67.6	93.9	104.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	28.2	65.7	92.0	101.4
115°	0.9	27.2	63.8	89.2	98.5
117.5°	0.9	26.3	61.0	86.3	95.7
120°	1.9	26.3	59.1	83.5	92.0
122.5°	1.9	25.3	56.3	79.8	88.2
125°	1.9	24.4	53.5	77.0	85.4
127.5°	1.9	23.5	50.7	73.2	80.7
130°	1.9	21.6	48.8	69.5	77.0
132.5°	1.9	20.6	46.0	64.8	72.3
135°	1.9	18.8	43.2	61.0	68.5
137.5°	1.9	17.8	40.4	57.3	63.8
140°	1.9	16.9	36.6	53.5	60.1
142.5°	1.9	15.0	33.8	49.7	55.4
145°	1.9	14.1	30.0	46.0	50.7
147.5°	1.9	12.2	27.2	42.2	46.9
150°	1.9	11.3	24.4	38.5	43.2
152.5°	1.9	10.3	21.6	33.8	38.5
155°	1.9	9.4	19.7	29.1	34.7
157.5°	1.9	8.4	16.9	25.3	31.0
160°	2.8	7.5	15.0	21.6	26.3
162.5°	2.8	6.6	12.2	17.8	23.5
165°	2.8	6.6	10.3	14.1	19.7
167.5°	2.8	5.6	8.4	11.3	16.0
170°	2.8	4.7	7.5	8.4	12.2
172.5°	2.8	3.8	5.6	5.6	6.6
175°	2.8	3.8	4.7	4.7	2.8
177.5°	2.8	2.8	2.8	2.8	1.9
180°	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)