

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: P567875

Luminaire Tested: **8SNX-62SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567875
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-62SL-FDL-UNV-L835-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

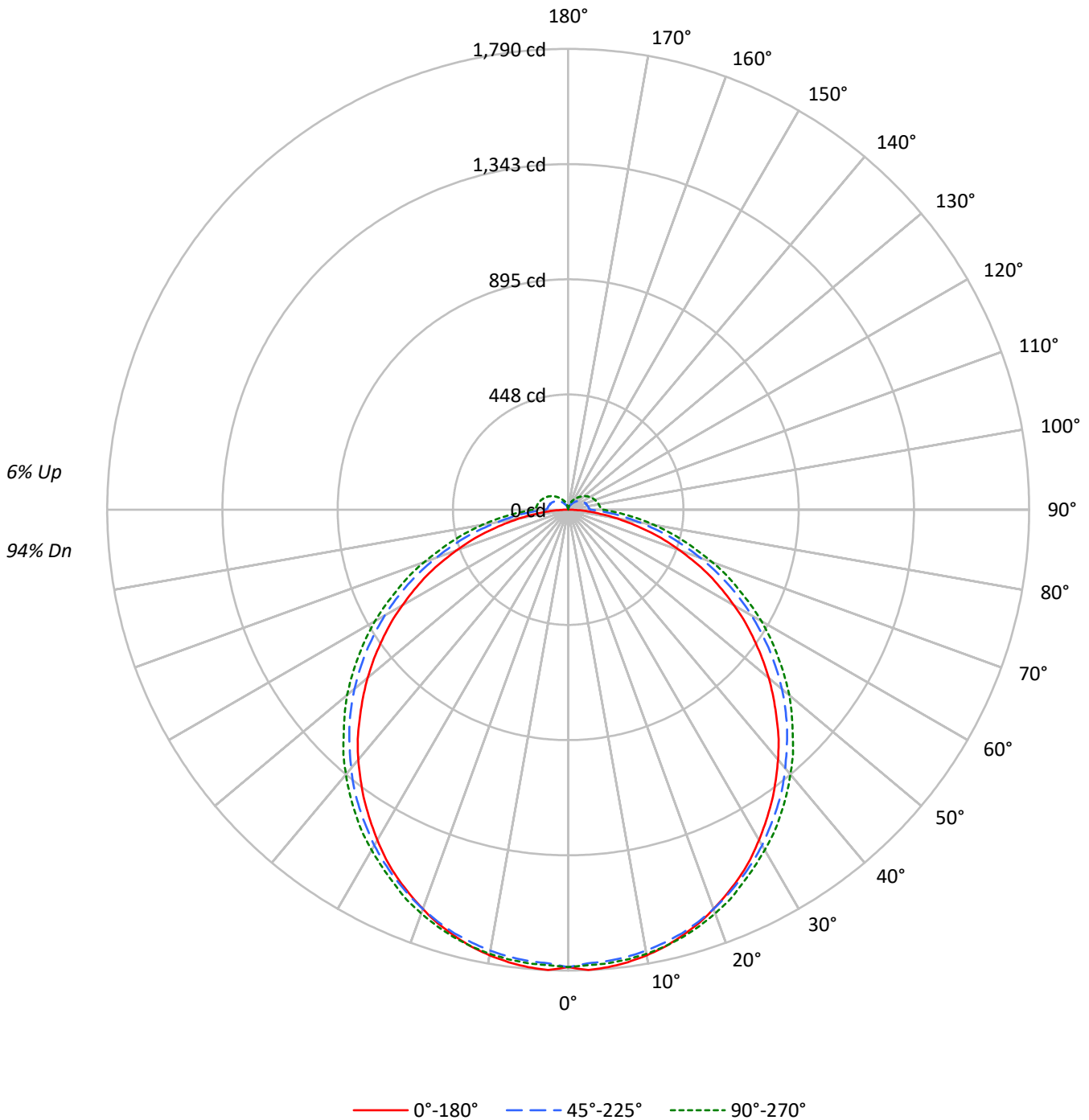
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5646.1 lumens
Efficiency: N/A
Efficacy: 144.8 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): 39
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	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°	9562	9562	9562
5°	9632	9407	9418
10°	9597	9308	9300
15°	9530	9193	9167
20°	9436	9054	9011
25°	9328	8900	8826
30°	9180	8744	8655
35°	9033	8560	8476
40°	8868	8357	8277
45°	8661	8156	8043
50°	8461	7926	7829
55°	8213	7642	7532
60°	7936	7317	7240
65°	7643	6929	6838
70°	7135	6440	6421
75°	6525	5864	5922
80°	5629	5101	5368
85°	4546	4446	4719



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.5	3.0
10°-20°	483.5	8.6
20°-30°	732.7	13.0
30°-40°	884.5	15.7
40°-50°	923.7	16.4
50°-60°	848.6	15.0
60°-70°	671.1	11.9
70°-80°	424.7	7.5
80°-90°	182.6	3.2
90°-100°	80.4	1.4
100°-110°	71.9	1.3
110°-120°	60.8	1.1
120°-130°	47.4	0.8
130°-140°	32.8	0.6
140°-150°	19.7	0.3
150°-160°	9.6	0.2
160°-170°	3.3	0.1
170°-180°	0.5	0.0
0°-30°	1384.7	24.5
0°-40°	2269.3	40.2
0°-60°	4041.5	71.6
0°-90°	5319.8	94.2
90°-120°	213.0	3.8
90°-150°	312.8	5.5
90°-180°	326.0	5.8
0°-180°	5646.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1777	1777	1777	1777	1777	
5°	1784	1779	1760	1775	1769	169
15°	1713	1713	1704	1722	1719	483
25°	1575	1582	1584	1605	1602	725
35°	1380	1396	1414	1436	1441	863
45°	1144	1172	1202	1225	1233	883
55°	882	918	956	987	994	789
65°	607	641	686	718	729	598
75°	320	358	410	445	462	339
85°	78	120	172	209	222	86
90°	5	43	88	123	136	7
95°	1	37	80	112	124	1
105°	1	34	75	105	116	1
115°	1	29	68	95	105	1
125°	2	26	57	82	91	2
135°	2	20	46	65	73	2
145°	2	15	32	49	54	1
155°	2	10	21	31	37	1
165°	3	7	11	15	21	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°	1776.7	1776.7	1776.7	1776.7	1776.7
2.5°	1789.7	1783.7	1763.7	1777.7	1770.7
5°	1783.7	1778.7	1759.7	1774.7	1768.7
7.5°	1772.7	1768.7	1751.7	1767.7	1761.7
10°	1757.7	1754.7	1739.7	1755.7	1751.7
12.5°	1738.7	1737.7	1722.7	1740.7	1737.7
15°	1712.7	1712.7	1703.7	1721.7	1718.7
17.5°	1684.7	1685.7	1678.7	1697.7	1695.7
20°	1650.7	1655.7	1650.7	1670.7	1668.7
22.5°	1613.7	1620.7	1618.7	1638.7	1639.7
25°	1574.7	1581.7	1583.7	1604.7	1601.7
27.5°	1531.7	1542.7	1546.7	1565.7	1564.7
30°	1481.7	1496.7	1505.7	1521.7	1526.7
32.5°	1430.8	1448.7	1459.7	1481.7	1487.7
35°	1379.8	1395.8	1413.8	1435.7	1440.7
37.5°	1323.8	1341.8	1365.8	1386.8	1392.8
40°	1267.8	1287.8	1310.8	1333.8	1342.8
42.5°	1209.8	1230.8	1255.8	1282.8	1291.8
45°	1143.8	1171.8	1201.8	1224.8	1232.8
47.5°	1080.8	1111.8	1143.8	1168.8	1177.8
50°	1016.8	1049.8	1083.8	1106.8	1120.8
52.5°	949.8	985.8	1019.8	1048.8	1057.8
55°	881.8	917.8	955.8	986.8	993.8
57.5°	815.9	850.9	888.8	917.8	931.8
60°	743.9	781.9	822.9	851.9	866.8
62.5°	673.9	710.9	754.9	785.9	797.9
65°	606.9	640.9	685.9	717.9	728.9
67.5°	532.9	571.9	614.9	651.9	665.9
70°	459.9	496.9	545.9	580.9	594.9
72.5°	391.9	427.9	476.9	511.9	524.9
75°	319.9	357.9	409.9	444.9	461.9
77.5°	251.0	292.9	342.9	380.9	399.9
80°	187.0	224.0	278.0	319.9	336.9
82.5°	127.0	167.0	223.0	262.0	281.0
85°	78.0	120.0	172.0	209.0	222.0
87.5°	37.0	77.0	125.0	161.0	177.0
90°	5.0	43.0	88.0	123.0	136.0
92.5°	1.0	37.0	81.0	114.0	126.0
95°	1.0	37.0	80.0	112.0	124.0
97.5°	1.0	36.0	79.0	111.0	122.0
100°	1.0	35.0	78.0	109.0	121.0
102.5°	1.0	35.0	76.0	107.0	118.0
105°	1.0	34.0	75.0	105.0	116.0
107.5°	1.0	33.0	73.0	103.0	114.0
110°	1.0	31.0	72.0	100.0	111.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	30.0	70.0	98.0	108.0
115°	1.0	29.0	68.0	95.0	105.0
117.5°	1.0	28.0	65.0	92.0	102.0
120°	2.0	28.0	63.0	89.0	98.0
122.5°	2.0	27.0	60.0	85.0	94.0
125°	2.0	26.0	57.0	82.0	91.0
127.5°	2.0	25.0	54.0	78.0	86.0
130°	2.0	23.0	52.0	74.0	82.0
132.5°	2.0	22.0	49.0	69.0	77.0
135°	2.0	20.0	46.0	65.0	73.0
137.5°	2.0	19.0	43.0	61.0	68.0
140°	2.0	18.0	39.0	57.0	64.0
142.5°	2.0	16.0	36.0	53.0	59.0
145°	2.0	15.0	32.0	49.0	54.0
147.5°	2.0	13.0	29.0	45.0	50.0
150°	2.0	12.0	26.0	41.0	46.0
152.5°	2.0	11.0	23.0	36.0	41.0
155°	2.0	10.0	21.0	31.0	37.0
157.5°	2.0	9.0	18.0	27.0	33.0
160°	3.0	8.0	16.0	23.0	28.0
162.5°	3.0	7.0	13.0	19.0	25.0
165°	3.0	7.0	11.0	15.0	21.0
167.5°	3.0	6.0	9.0	12.0	17.0
170°	3.0	5.0	8.0	9.0	13.0
172.5°	3.0	4.0	6.0	6.0	7.0
175°	3.0	4.0	5.0	5.0	3.0
177.5°	3.0	3.0	3.0	3.0	2.0
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)