

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: P567955

Luminaire Tested: **8SNX-66SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567955
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: 8SNX-66SL-SLW-UNV-L835-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

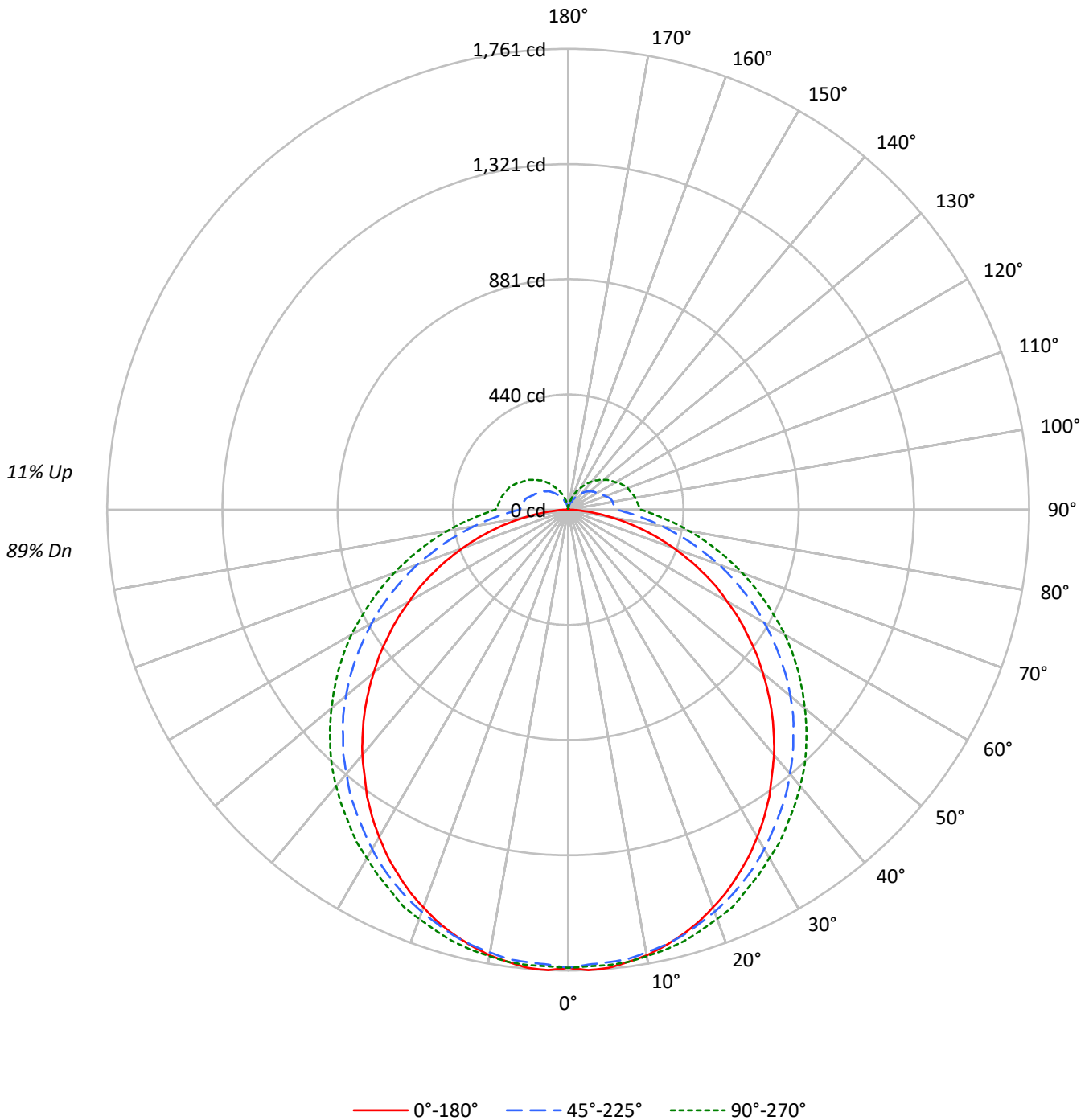
Lumens per Lamp: N/A
Luminaire Lumens: 6232.0 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 42.2
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	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°	9422	9422	9422
5°	9488	9185	9172
10°	9431	9005	8944
15°	9346	8820	8736
20°	9226	8606	8503
25°	9087	8397	8259
30°	8919	8167	8019
35°	8735	7928	7793
40°	8522	7693	7576
45°	8293	7454	7343
50°	8030	7200	7081
55°	7743	6896	6823
60°	7404	6570	6537
65°	7060	6202	6176
70°	6571	5799	5822
75°	5926	5284	5430
80°	4859	4762	5044
85°	3588	4319	4648



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.3	2.7
10°-20°	477.9	7.7
20°-30°	726.7	11.7
30°-40°	882.1	14.2
40°-50°	932.2	15.0
50°-60°	872.3	14.0
60°-70°	715.7	11.5
70°-80°	492.3	7.9
80°-90°	269.6	4.3
90°-100°	173.6	2.8
100°-110°	155.8	2.5
110°-120°	128.9	2.1
120°-130°	99.3	1.6
130°-140°	69.8	1.1
140°-150°	42.0	0.7
150°-160°	20.1	0.3
160°-170°	6.6	0.1
170°-180°	0.8	0.0
0°-30°	1370.9	22.0
0°-40°	2253.0	36.2
0°-60°	4057.5	65.1
0°-90°	5535.1	88.8
90°-120°	458.3	7.4
90°-150°	669.4	10.7
90°-180°	697.0	11.2
0°-180°	6232.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1751	1751	1751	1751	1751	
5°	1758	1754	1736	1751	1747	167
15°	1682	1689	1686	1707	1707	474
25°	1538	1556	1574	1606	1606	709
35°	1339	1372	1411	1451	1462	836
45°	1101	1151	1216	1270	1285	848
55°	837	906	989	1050	1072	749
65°	567	642	740	808	830	561
75°	296	375	484	560	585	312
85°	65	155	264	336	361	75
90°	0	87	184	253	278	4
95°	0	83	177	242	267	0
105°	0	69	166	227	249	2
115°	4	61	141	202	227	4
125°	4	50	119	173	195	3
135°	4	40	98	141	159	3
145°	4	29	69	108	119	2
155°	4	18	43	69	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°	1750.6	1750.6	1750.6	1750.6	1750.6
2.5°	1761.4	1757.8	1739.8	1754.2	1747.0
5°	1757.8	1754.2	1736.1	1750.6	1747.0
7.5°	1743.4	1743.4	1732.5	1747.0	1743.4
10°	1728.9	1728.9	1718.1	1736.1	1732.5
12.5°	1707.3	1710.9	1703.7	1725.3	1721.7
15°	1682.0	1689.2	1685.6	1707.3	1707.3
17.5°	1653.1	1660.3	1660.3	1685.6	1685.6
20°	1617.0	1627.9	1635.1	1664.0	1664.0
22.5°	1580.9	1595.4	1606.2	1631.5	1642.3
25°	1537.6	1555.7	1573.7	1606.2	1606.2
27.5°	1494.3	1516.0	1537.6	1570.1	1573.7
30°	1443.8	1469.0	1497.9	1530.4	1537.6
32.5°	1393.2	1425.7	1454.6	1494.3	1505.1
35°	1339.1	1371.6	1411.3	1451.0	1461.8
37.5°	1277.7	1317.4	1368.0	1411.3	1422.1
40°	1223.6	1266.9	1317.4	1368.0	1378.8
42.5°	1162.2	1209.2	1270.5	1317.4	1335.5
45°	1100.9	1151.4	1216.4	1270.5	1285.0
47.5°	1035.9	1093.7	1165.9	1216.4	1234.4
50°	970.9	1032.3	1108.1	1165.9	1180.3
52.5°	906.0	970.9	1050.4	1108.1	1126.1
55°	837.4	906.0	989.0	1050.4	1072.0
57.5°	772.4	841.0	927.6	992.6	1014.3
60°	700.2	779.6	866.3	931.2	956.5
62.5°	638.9	711.1	804.9	869.9	891.5
65°	566.7	642.5	739.9	808.5	830.2
67.5°	498.1	577.5	675.0	747.2	768.8
70°	429.5	508.9	613.6	682.2	707.5
72.5°	360.9	444.0	545.0	620.8	646.1
75°	296.0	375.4	483.7	559.5	584.7
77.5°	227.4	314.0	422.3	498.1	527.0
80°	166.0	256.3	364.6	440.4	469.2
82.5°	111.9	202.1	310.4	386.2	415.1
85°	65.0	155.2	263.5	335.7	360.9
87.5°	32.5	119.1	220.2	292.4	317.6
90°	0.0	86.6	184.1	252.7	277.9
92.5°	0.0	83.0	180.5	245.4	270.7
95°	0.0	83.0	176.9	241.8	267.1
97.5°	0.0	79.4	173.3	241.8	263.5
100°	0.0	75.8	173.3	238.2	259.9
102.5°	0.0	72.2	169.6	234.6	256.3
105°	0.0	68.6	166.0	227.4	249.1
107.5°	3.6	68.6	158.8	223.8	245.4
110°	3.6	65.0	151.6	220.2	241.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.6	61.4	144.4	213.0	234.6
115°	3.6	61.4	140.8	202.1	227.4
117.5°	3.6	57.8	133.5	194.9	220.2
120°	3.6	57.8	129.9	187.7	209.3
122.5°	3.6	54.1	122.7	180.5	202.1
125°	3.6	50.5	119.1	173.3	194.9
127.5°	3.6	46.9	115.5	166.0	187.7
130°	3.6	43.3	108.3	158.8	176.9
132.5°	3.6	43.3	104.7	148.0	169.6
135°	3.6	39.7	97.5	140.8	158.8
137.5°	3.6	36.1	90.2	133.5	151.6
140°	3.6	32.5	83.0	126.3	140.8
142.5°	3.6	32.5	75.8	115.5	129.9
145°	3.6	28.9	68.6	108.3	119.1
147.5°	3.6	25.3	61.4	97.5	108.3
150°	3.6	25.3	54.1	86.6	97.5
152.5°	3.6	21.7	46.9	79.4	90.2
155°	3.6	18.0	43.3	68.6	79.4
157.5°	3.6	18.0	36.1	57.8	68.6
160°	3.6	14.4	32.5	46.9	57.8
162.5°	3.6	14.4	28.9	39.7	50.5
165°	3.6	10.8	21.7	32.5	39.7
167.5°	3.6	10.8	18.0	25.3	32.5
170°	3.6	7.2	14.4	18.0	25.3
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)