

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: P567179

Luminaire Tested: **8SNX-102SL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567179
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-102SL-LW-UNV-L835-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

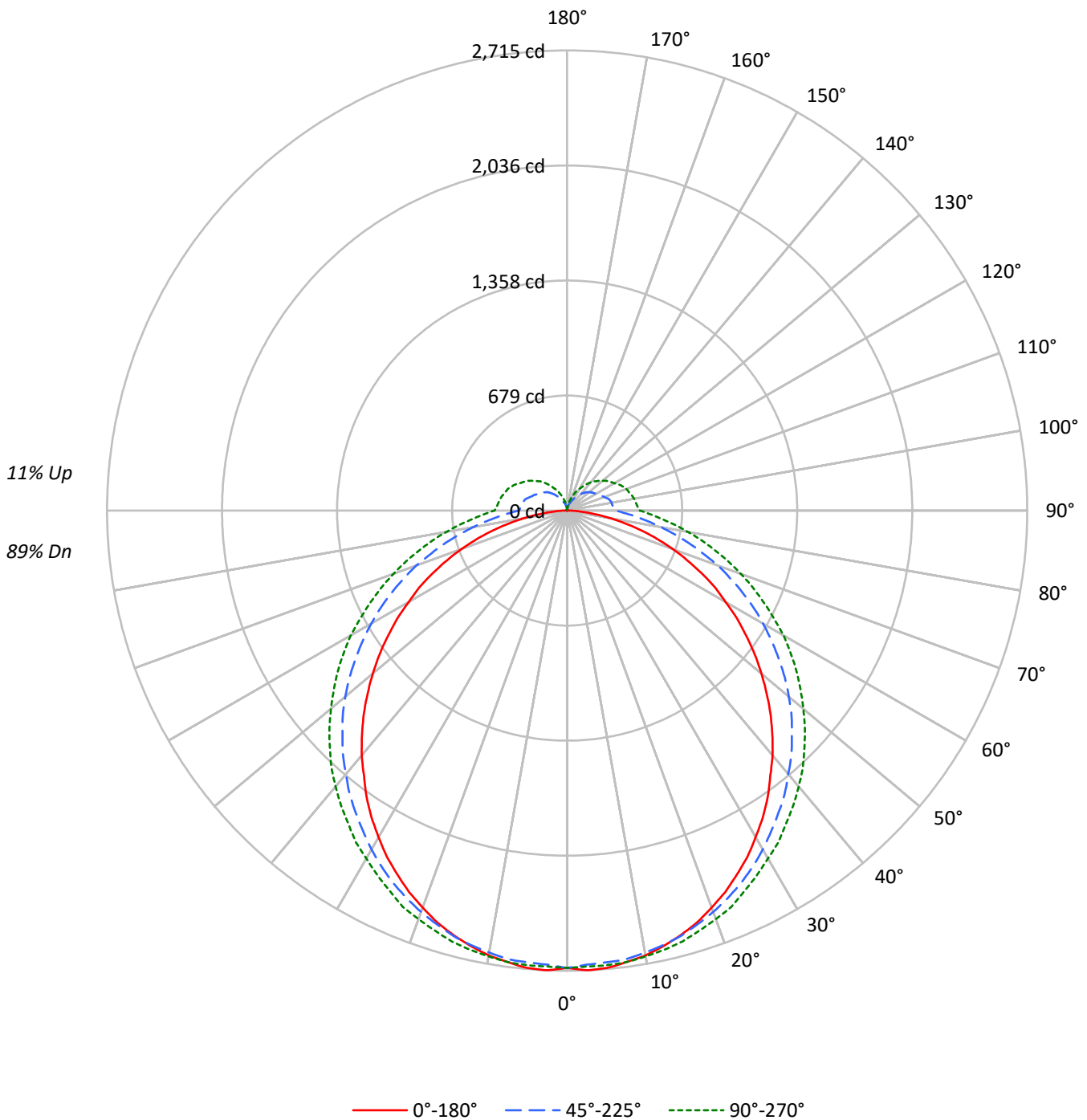
Lumens per Lamp: N/A
Luminaire Lumens: 9605.0 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 70
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

TEST NUMBER: P567179

CATALOG NUMBER: 8SNX-102SL-LW-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567179

CATALOG NUMBER: 8SNX-102SL-LW-UNV-L835-CD

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°	14521	14521	14521
5°	14610	13866	13745
10°	14509	13329	13058
15°	14364	12807	12439
20°	14166	12264	11820
25°	13937	11742	11214
30°	13664	11203	10634
35°	13365	10662	10092
40°	13022	10132	9574
45°	12650	9601	9044
50°	12226	9054	8488
55°	11760	8442	7942
60°	11212	7802	7364
65°	10647	7110	6706
70°	9853	6371	6059
75°	8802	5508	5373
80°	7093	4635	4688
85°	4992	3825	3985



TEST NUMBER: P567179

CATALOG NUMBER: 8SNX-102SL-LW-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.3	2.7
10°-20°	736.6	7.7
20°-30°	1120.0	11.7
30°-40°	1359.6	14.2
40°-50°	1436.7	15.0
50°-60°	1344.4	14.0
60°-70°	1103.1	11.5
70°-80°	758.7	7.9
80°-90°	415.5	4.3
90°-100°	267.6	2.8
100°-110°	240.1	2.5
110°-120°	198.7	2.1
120°-130°	153.0	1.6
130°-140°	107.5	1.1
140°-150°	64.8	0.7
150°-160°	31.0	0.3
160°-170°	10.2	0.1
170°-180°	1.2	0.0
0°-30°	2112.9	22.0
0°-40°	3472.5	36.2
0°-60°	6253.6	65.1
0°-90°	8530.9	88.8
90°-120°	706.4	7.4
90°-150°	1031.7	10.7
90°-180°	1074.0	11.2
0°-180°	9605.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2698	2698	2698	2698	2698	
5°	2709	2704	2676	2698	2692	257
15°	2592	2604	2598	2631	2631	731
25°	2370	2398	2426	2476	2476	1092
35°	2064	2114	2175	2236	2253	1289
45°	1697	1775	1875	1958	1980	1308
55°	1291	1396	1524	1619	1652	1155
65°	873	990	1140	1246	1280	865
75°	456	579	745	862	901	480
85°	100	239	406	517	556	116
90°	0	134	284	389	428	7
95°	0	128	273	373	412	0
105°	0	106	256	350	384	4
115°	6	95	217	312	350	6
125°	6	78	184	267	300	5
135°	6	61	150	217	245	4
145°	6	44	106	167	184	4
155°	6	28	67	106	122	3
165°	6	17	33	50	61	2
175°	6	6	11	11	6	1
180°	6	6	6	6	6	



TEST NUMBER: P567179

CATALOG NUMBER: 8SNX-102SL-LW-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2698.1	2698.1	2698.1	2698.1	2698.1
2.5°	2714.8	2709.2	2681.4	2703.6	2692.5
5°	2709.2	2703.6	2675.8	2698.1	2692.5
7.5°	2686.9	2686.9	2670.3	2692.5	2686.9
10°	2664.7	2664.7	2648.0	2675.8	2670.3
12.5°	2631.3	2636.9	2625.7	2659.1	2653.6
15°	2592.4	2603.5	2597.9	2631.3	2631.3
17.5°	2547.9	2559.0	2559.0	2597.9	2597.9
20°	2492.2	2508.9	2520.1	2564.6	2564.6
22.5°	2436.6	2458.9	2475.5	2514.5	2531.2
25°	2369.8	2397.7	2425.5	2475.5	2475.5
27.5°	2303.1	2336.5	2369.8	2419.9	2425.5
30°	2225.2	2264.2	2308.7	2358.7	2369.8
32.5°	2147.3	2197.4	2241.9	2303.1	2319.8
35°	2063.9	2113.9	2175.1	2236.3	2253.0
37.5°	1969.3	2030.5	2108.4	2175.1	2191.8
40°	1885.9	1952.6	2030.5	2108.4	2125.1
42.5°	1791.3	1863.6	1958.2	2030.5	2058.3
45°	1696.7	1774.6	1874.7	1958.2	1980.4
47.5°	1596.6	1685.6	1796.9	1874.7	1902.6
50°	1496.5	1591.0	1707.8	1796.9	1819.1
52.5°	1396.3	1496.5	1618.8	1707.8	1735.7
55°	1290.6	1396.3	1524.3	1618.8	1652.2
57.5°	1190.5	1296.2	1429.7	1529.8	1563.2
60°	1079.2	1201.6	1335.1	1435.3	1474.2
62.5°	984.7	1095.9	1240.6	1340.7	1374.1
65°	873.4	990.2	1140.4	1246.1	1279.5
67.5°	767.7	890.1	1040.3	1151.5	1184.9
70°	662.0	784.4	945.7	1051.4	1090.4
72.5°	556.3	684.3	840.0	956.8	995.8
75°	456.2	578.6	745.4	862.3	901.2
77.5°	350.5	484.0	650.9	767.7	812.2
80°	255.9	395.0	561.9	678.7	723.2
82.5°	172.5	311.5	478.4	595.2	639.7
85°	100.1	239.2	406.1	517.4	556.3
87.5°	50.1	183.6	339.3	450.6	489.5
90°	0.0	133.5	283.7	389.4	428.4
92.5°	0.0	127.9	278.2	378.3	417.2
95°	0.0	127.9	272.6	372.7	411.7
97.5°	0.0	122.4	267.0	372.7	406.1
100°	0.0	116.8	267.0	367.2	400.5
102.5°	0.0	111.3	261.5	361.6	395.0
105°	0.0	105.7	255.9	350.5	383.8
107.5°	5.6	105.7	244.8	344.9	378.3
110°	5.6	100.1	233.6	339.3	372.7



TEST NUMBER: P567179

CATALOG NUMBER: 8SNX-102SL-LW-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.6	94.6	222.5	328.2	361.6
115°	5.6	94.6	217.0	311.5	350.5
117.5°	5.6	89.0	205.8	300.4	339.3
120°	5.6	89.0	200.3	289.3	322.7
122.5°	5.6	83.4	189.1	278.2	311.5
125°	5.6	77.9	183.6	267.0	300.4
127.5°	5.6	72.3	178.0	255.9	289.3
130°	5.6	66.8	166.9	244.8	272.6
132.5°	5.6	66.8	161.3	228.1	261.5
135°	5.6	61.2	150.2	217.0	244.8
137.5°	5.6	55.6	139.1	205.8	233.6
140°	5.6	50.1	127.9	194.7	217.0
142.5°	5.6	50.1	116.8	178.0	200.3
145°	5.6	44.5	105.7	166.9	183.6
147.5°	5.6	38.9	94.6	150.2	166.9
150°	5.6	38.9	83.4	133.5	150.2
152.5°	5.6	33.4	72.3	122.4	139.1
155°	5.6	27.8	66.8	105.7	122.4
157.5°	5.6	27.8	55.6	89.0	105.7
160°	5.6	22.3	50.1	72.3	89.0
162.5°	5.6	22.3	44.5	61.2	77.9
165°	5.6	16.7	33.4	50.1	61.2
167.5°	5.6	16.7	27.8	38.9	50.1
170°	5.6	11.1	22.3	27.8	38.9
172.5°	5.6	11.1	16.7	16.7	16.7
175°	5.6	5.6	11.1	11.1	5.6
177.5°	5.6	5.6	5.6	5.6	5.6
180°	5.6	5.6	5.6	5.6	5.6

(END OF REPORT)