

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: P567191

Luminaire Tested: **8SNX-102SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567191
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-SLW-UNV-L935-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

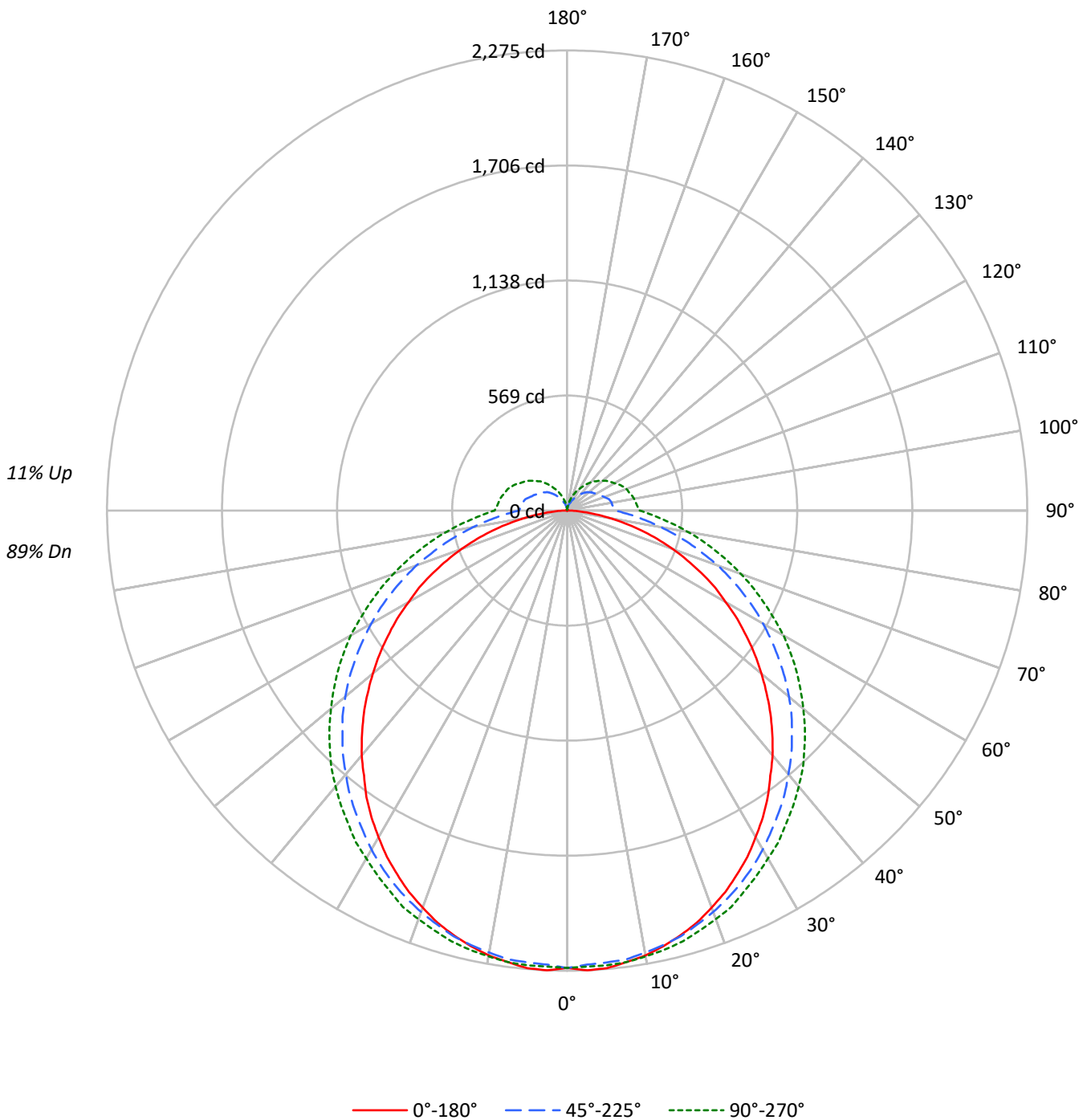
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8049.0 lumens
Efficiency: N/A
Efficacy: 115.0 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): 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: P567191
CATALOG NUMBER: 8SNX-102SL-SLW-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567191

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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	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°	12169	12169	12169
5°	12254	11863	11846
10°	12181	11630	11553
15°	12071	11391	11282
20°	11917	11116	10982
25°	11736	10846	10668
30°	11519	10549	10356
35°	11281	10240	10065
40°	11008	9936	9785
45°	10711	9627	9483
50°	10371	9300	9145
55°	10000	8906	8813
60°	9563	8485	8443
65°	9118	8011	7976
70°	8488	7489	7519
75°	7653	6824	7014
80°	6276	6149	6515
85°	4632	5578	6004



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.8	2.7
10°-20°	617.3	7.7
20°-30°	938.6	11.7
30°-40°	1139.3	14.2
40°-50°	1204.0	15.0
50°-60°	1126.6	14.0
60°-70°	924.4	11.5
70°-80°	635.8	7.9
80°-90°	348.2	4.3
90°-100°	224.2	2.8
100°-110°	201.2	2.5
110°-120°	166.5	2.1
120°-130°	128.2	1.6
130°-140°	90.1	1.1
140°-150°	54.3	0.7
150°-160°	26.0	0.3
160°-170°	8.5	0.1
170°-180°	1.0	0.0
0°-30°	1770.6	22.0
0°-40°	2909.9	36.2
0°-60°	5240.5	65.1
0°-90°	7148.9	88.8
90°-120°	591.9	7.4
90°-150°	864.6	10.7
90°-180°	900.0	11.2
0°-180°	8049.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2261	2261	2261	2261	2261	
5°	2270	2266	2242	2261	2256	215
15°	2172	2182	2177	2205	2205	613
25°	1986	2009	2033	2074	2074	915
35°	1730	1772	1823	1874	1888	1080
45°	1422	1487	1571	1641	1660	1096
55°	1082	1170	1277	1357	1385	968
65°	732	830	956	1044	1072	725
75°	382	485	625	723	755	402
85°	84	200	340	434	466	97
90°	0	112	238	326	359	6
95°	0	107	228	312	345	0
105°	0	89	214	294	322	3
115°	5	79	182	261	294	5
125°	5	65	154	224	252	4
135°	5	51	126	182	205	4
145°	5	37	89	140	154	3
155°	5	23	56	89	103	2
165°	5	14	28	42	51	1
175°	5	5	9	9	5	0
180°	5	5	5	5	5	



TEST NUMBER: P567191

CATALOG NUMBER: 8SNX-102SL-SLW-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2261.0	2261.0	2261.0	2261.0	2261.0
2.5°	2275.0	2270.3	2247.0	2265.6	2256.3
5°	2270.3	2265.6	2242.3	2261.0	2256.3
7.5°	2251.7	2251.7	2237.7	2256.3	2251.7
10°	2233.0	2233.0	2219.0	2242.3	2237.7
12.5°	2205.0	2209.7	2200.4	2228.4	2223.7
15°	2172.4	2181.7	2177.1	2205.0	2205.0
17.5°	2135.1	2144.4	2144.4	2177.1	2177.1
20°	2088.5	2102.5	2111.8	2149.1	2149.1
22.5°	2041.9	2060.5	2074.5	2107.1	2121.1
25°	1985.9	2009.2	2032.6	2074.5	2074.5
27.5°	1930.0	1958.0	1985.9	2027.9	2032.6
30°	1864.7	1897.4	1934.7	1976.6	1985.9
32.5°	1799.5	1841.4	1878.7	1930.0	1944.0
35°	1729.5	1771.5	1822.8	1874.1	1888.0
37.5°	1650.3	1701.6	1766.8	1822.8	1836.8
40°	1580.4	1636.3	1701.6	1766.8	1780.8
42.5°	1501.1	1561.7	1641.0	1701.6	1724.9
45°	1421.9	1487.1	1571.0	1641.0	1659.6
47.5°	1337.9	1412.5	1505.8	1571.0	1594.3
50°	1254.0	1333.3	1431.2	1505.8	1524.4
52.5°	1170.1	1254.0	1356.6	1431.2	1454.5
55°	1081.5	1170.1	1277.3	1356.6	1384.6
57.5°	997.6	1086.2	1198.1	1282.0	1310.0
60°	904.4	1007.0	1118.8	1202.7	1235.4
62.5°	825.1	918.4	1039.6	1123.5	1151.5
65°	731.9	829.8	955.7	1044.2	1072.2
67.5°	643.3	745.9	871.8	965.0	993.0
70°	554.8	657.3	792.5	881.1	913.7
72.5°	466.2	573.4	703.9	801.8	834.5
75°	382.3	484.8	624.7	722.6	755.2
77.5°	293.7	405.6	545.4	643.3	680.6
80°	214.4	331.0	470.8	568.7	606.0
82.5°	144.5	261.1	400.9	498.8	536.1
85°	83.9	200.5	340.3	433.5	466.2
87.5°	42.0	153.8	284.4	377.6	410.2
90°	0.0	111.9	237.8	326.3	359.0
92.5°	0.0	107.2	233.1	317.0	349.6
95°	0.0	107.2	228.4	312.3	345.0
97.5°	0.0	102.6	223.8	312.3	340.3
100°	0.0	97.9	223.8	307.7	335.7
102.5°	0.0	93.2	219.1	303.0	331.0
105°	0.0	88.6	214.4	293.7	321.7
107.5°	4.7	88.6	205.1	289.0	317.0
110°	4.7	83.9	195.8	284.4	312.3



TEST NUMBER: P567191

CATALOG NUMBER: 8SNX-102SL-SLW-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.7	79.3	186.5	275.0	303.0
115°	4.7	79.3	181.8	261.1	293.7
117.5°	4.7	74.6	172.5	251.7	284.4
120°	4.7	74.6	167.8	242.4	270.4
122.5°	4.7	69.9	158.5	233.1	261.1
125°	4.7	65.3	153.8	223.8	251.7
127.5°	4.7	60.6	149.2	214.4	242.4
130°	4.7	55.9	139.9	205.1	228.4
132.5°	4.7	55.9	135.2	191.1	219.1
135°	4.7	51.3	125.9	181.8	205.1
137.5°	4.7	46.6	116.5	172.5	195.8
140°	4.7	42.0	107.2	163.2	181.8
142.5°	4.7	42.0	97.9	149.2	167.8
145°	4.7	37.3	88.6	139.9	153.8
147.5°	4.7	32.6	79.3	125.9	139.9
150°	4.7	32.6	69.9	111.9	125.9
152.5°	4.7	28.0	60.6	102.6	116.5
155°	4.7	23.3	55.9	88.6	102.6
157.5°	4.7	23.3	46.6	74.6	88.6
160°	4.7	18.6	42.0	60.6	74.6
162.5°	4.7	18.6	37.3	51.3	65.3
165°	4.7	14.0	28.0	42.0	51.3
167.5°	4.7	14.0	23.3	32.6	42.0
170°	4.7	9.3	18.6	23.3	32.6
172.5°	4.7	9.3	14.0	14.0	14.0
175°	4.7	4.7	9.3	9.3	4.7
177.5°	4.7	4.7	4.7	4.7	4.7
180°	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)