

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: P567166

Luminaire Tested: **8SNX-102SL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567166
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-102SL-LC-UNV-L930-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

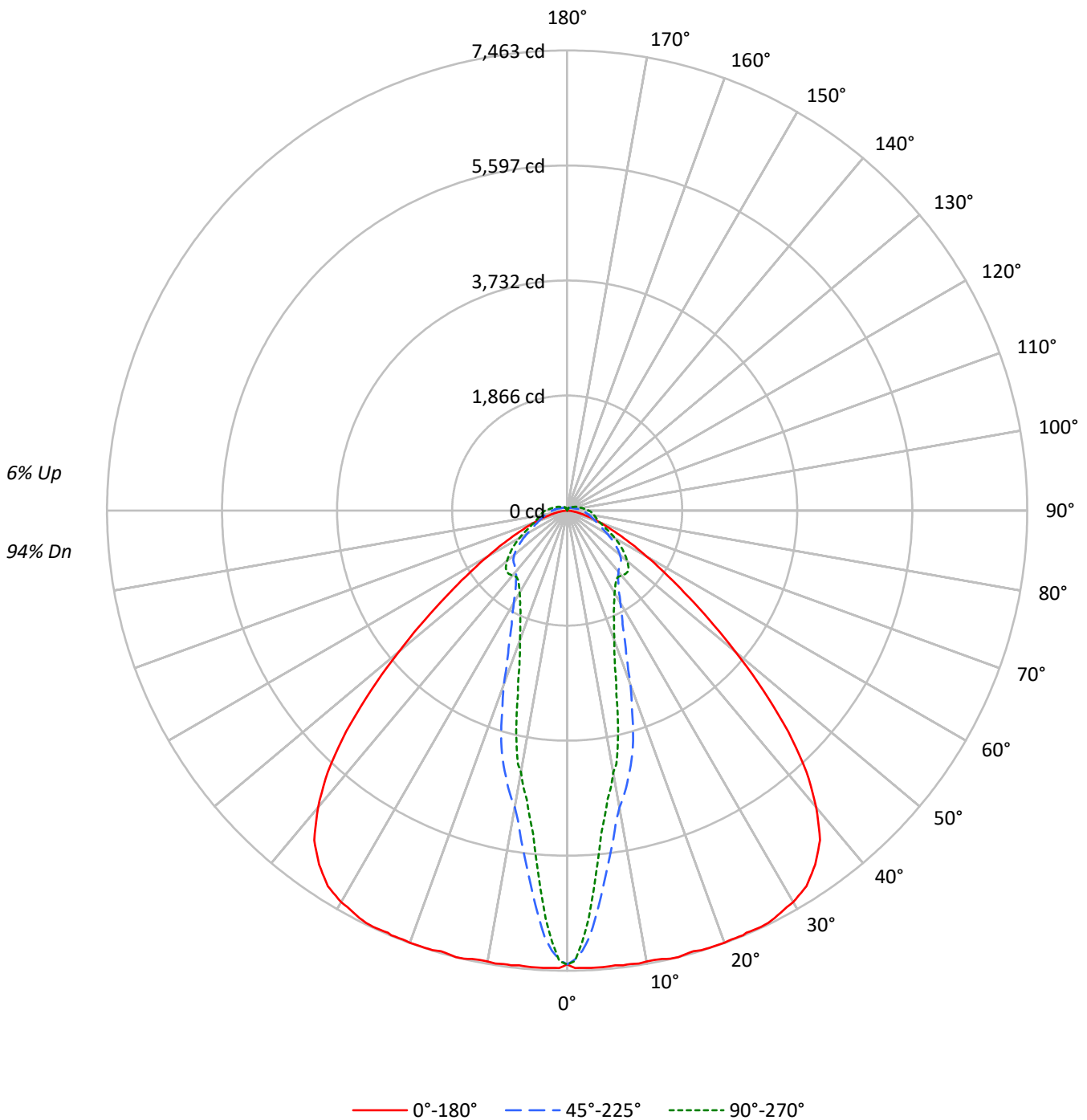
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9072.9 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: 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

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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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	39614	39614	39614
5°	40044	32577	29124
10°	40432	24621	21078
15°	41247	20148	14595
20°	42394	14594	10308
25°	43808	10467	8109
30°	45027	8371	6906
35°	45406	7088	6186
40°	43407	6450	6201
45°	37788	6239	6370
50°	29099	5941	5944
55°	21184	5201	5274
60°	15458	4348	4459
65°	11336	3682	3656
70°	8444	3258	3153
75°	6101	3023	2938
80°	4125	2839	2894
85°	2085	2715	2898



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	578.9	6.4
10°-20°	1257.0	13.9
20°-30°	1438.8	15.9
30°-40°	1441.4	15.9
40°-50°	1364.4	15.0
50°-60°	1046.4	11.5
60°-70°	674.5	7.4
70°-80°	430.1	4.7
80°-90°	285.6	3.1
90°-100°	192.0	2.1
100°-110°	126.5	1.4
110°-120°	88.0	1.0
120°-130°	61.4	0.7
130°-140°	42.6	0.5
140°-150°	26.1	0.3
150°-160°	13.2	0.1
160°-170°	5.1	0.1
170°-180°	1.0	0.0
0°-30°	3274.6	36.1
0°-40°	4716.0	52.0
0°-60°	7126.9	78.6
0°-90°	8517.1	93.9
90°-120°	406.5	4.5
90°-150°	536.5	5.9
90°-180°	556.0	6.1
0°-180°	9072.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7360	7360	7360	7360	7360	
5°	7426	7016	6286	5863	5705	709
15°	7444	5361	4087	3357	3087	2111
25°	7449	3794	2162	1878	1790	3434
35°	7012	2111	1446	1400	1381	4350
45°	5068	1334	1218	1348	1395	3853
55°	2325	953	939	1056	1097	2138
65°	930	600	590	674	698	957
75°	316	326	409	470	493	348
85°	42	149	288	377	404	57
90°	0	102	242	335	349	2
95°	0	74	200	274	288	0
105°	0	56	130	186	200	3
115°	5	46	98	135	144	5
125°	5	42	84	98	102	4
135°	5	32	65	79	84	4
145°	5	23	46	60	65	3
155°	5	14	28	42	46	2
165°	9	9	19	23	28	2
175°	9	9	9	9	5	1
180°	9	9	9	9	9	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7360.5	7360.5	7360.5	7360.5	7360.5
1°	7420.9	7379.1	7281.4	7309.3	7304.7
2°	7420.9	7332.6	7141.9	7086.1	7002.4
3°	7425.6	7253.5	6928.0	6746.7	6630.5
4°	7425.6	7137.3	6611.9	6309.6	6160.8
5°	7425.6	7016.4	6286.4	5863.3	5705.2
6°	7416.3	6872.2	5956.3	5509.9	5272.7
7°	7430.2	6714.2	5658.7	5179.8	4993.8
8°	7425.6	6528.2	5384.3	4928.7	4724.1
9°	7439.5	6346.8	5086.8	4691.5	4538.1
10°	7425.6	6179.4	4891.5	4468.4	4310.3
11°	7425.6	6016.7	4752.0	4324.2	4189.4
12°	7434.9	5830.7	4598.5	4119.6	3933.6
13°	7458.1	5640.1	4421.9	3896.4	3677.9
14°	7462.8	5495.9	4259.1	3612.8	3385.0
15°	7444.2	5361.1	4087.1	3357.1	3087.4
16°	7434.9	5221.6	3882.5	3115.3	2873.5
17°	7453.5	5058.9	3650.0	2868.9	2645.7
18°	7458.1	4910.1	3403.6	2682.9	2487.6
19°	7458.1	4793.8	3203.6	2510.8	2343.4
20°	7458.1	4682.2	2999.0	2380.6	2236.5
21°	7448.8	4542.7	2766.6	2245.8	2124.9
22.5°	7453.5	4282.4	2501.5	2087.7	1990.1
23°	7439.5	4217.3	2436.4	2045.9	1943.6
24°	7444.2	4031.3	2296.9	1962.2	1864.5
25°	7448.8	3794.1	2162.1	1878.5	1790.1
26°	7439.5	3603.5	2050.5	1799.4	1739.0
27°	7416.3	3450.1	1971.5	1734.3	1678.5
28°	7383.7	3245.5	1887.8	1678.5	1627.4
29°	7351.2	3013.0	1804.1	1618.1	1580.9
30°	7332.6	2827.0	1725.0	1571.6	1539.0
32.5°	7221.0	2459.7	1562.3	1478.6	1450.7
35°	7011.7	2111.0	1446.1	1399.6	1381.0
37.5°	6737.4	1841.3	1357.7	1348.4	1353.1
40°	6286.4	1627.4	1292.6	1334.5	1376.3
42.5°	5747.0	1460.0	1246.1	1348.4	1394.9
45°	5068.2	1334.5	1218.2	1348.4	1394.9
47.5°	4314.9	1232.2	1185.7	1301.9	1348.4
50°	3561.7	1139.2	1120.6	1232.2	1274.0
52.5°	2896.8	1050.8	1036.9	1143.8	1185.7
55°	2324.8	953.2	939.2	1055.5	1097.3
57.5°	1864.5	860.2	846.2	953.2	995.0
60°	1487.9	767.2	744.0	850.9	892.7
62.5°	1185.7	678.9	664.9	757.9	795.1
65°	929.9	599.8	590.5	674.2	697.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	734.7	525.4	530.1	599.8	627.7
70°	567.3	455.7	483.6	548.7	567.3
72.5°	427.8	385.9	446.4	502.2	525.4
75°	316.2	325.5	409.2	469.6	492.9
77.5°	218.5	269.7	376.6	441.7	465.0
80°	148.8	218.5	344.1	418.5	446.4
82.5°	88.3	181.3	316.2	395.2	427.8
85°	41.8	148.8	288.3	376.6	404.5
87.5°	13.9	120.9	260.4	358.0	381.3
90°	0.0	102.3	241.8	334.8	348.7
92.5°	0.0	88.3	218.5	306.9	316.2
95°	0.0	74.4	199.9	274.3	288.3
97.5°	0.0	69.7	186.0	246.4	265.0
100°	0.0	65.1	167.4	223.2	241.8
102.5°	0.0	55.8	148.8	199.9	218.5
105°	0.0	55.8	130.2	186.0	199.9
107.5°	4.6	51.1	120.9	167.4	186.0
110°	4.6	51.1	106.9	158.1	172.0
112.5°	4.6	51.1	102.3	144.1	162.7
115°	4.6	46.5	97.6	134.8	144.1
117.5°	4.6	46.5	93.0	120.9	130.2
120°	4.6	41.8	88.3	111.6	116.2
122.5°	4.6	41.8	83.7	102.3	106.9
125°	4.6	41.8	83.7	97.6	102.3
127.5°	4.6	37.2	79.0	93.0	93.0
130°	4.6	37.2	74.4	88.3	88.3
132.5°	4.6	32.5	69.7	83.7	88.3
135°	4.6	32.5	65.1	79.0	83.7
137.5°	4.6	27.9	60.4	74.4	79.0
140°	4.6	27.9	55.8	69.7	74.4
142.5°	4.6	23.2	51.1	65.1	69.7
145°	4.6	23.2	46.5	60.4	65.1
147.5°	4.6	23.2	41.8	55.8	60.4
150°	4.6	18.6	37.2	51.1	55.8
152.5°	4.6	18.6	32.5	46.5	51.1
155°	4.6	13.9	27.9	41.8	46.5
157.5°	4.6	13.9	27.9	37.2	41.8
160°	9.3	13.9	23.2	32.5	37.2
162.5°	4.6	9.3	23.2	27.9	32.5
165°	9.3	9.3	18.6	23.2	27.9
167.5°	9.3	9.3	13.9	18.6	23.2
170°	9.3	9.3	13.9	13.9	18.6
172.5°	9.3	9.3	9.3	13.9	9.3
175°	9.3	9.3	9.3	9.3	4.6
177.5°	9.3	9.3	9.3	9.3	4.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	9.3	9.3	9.3	9.3	9.3

(END OF REPORT)