

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: P568149

Luminaire Tested: **8SNX-96SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568149
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-96SL-SLW-UNV-L850-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

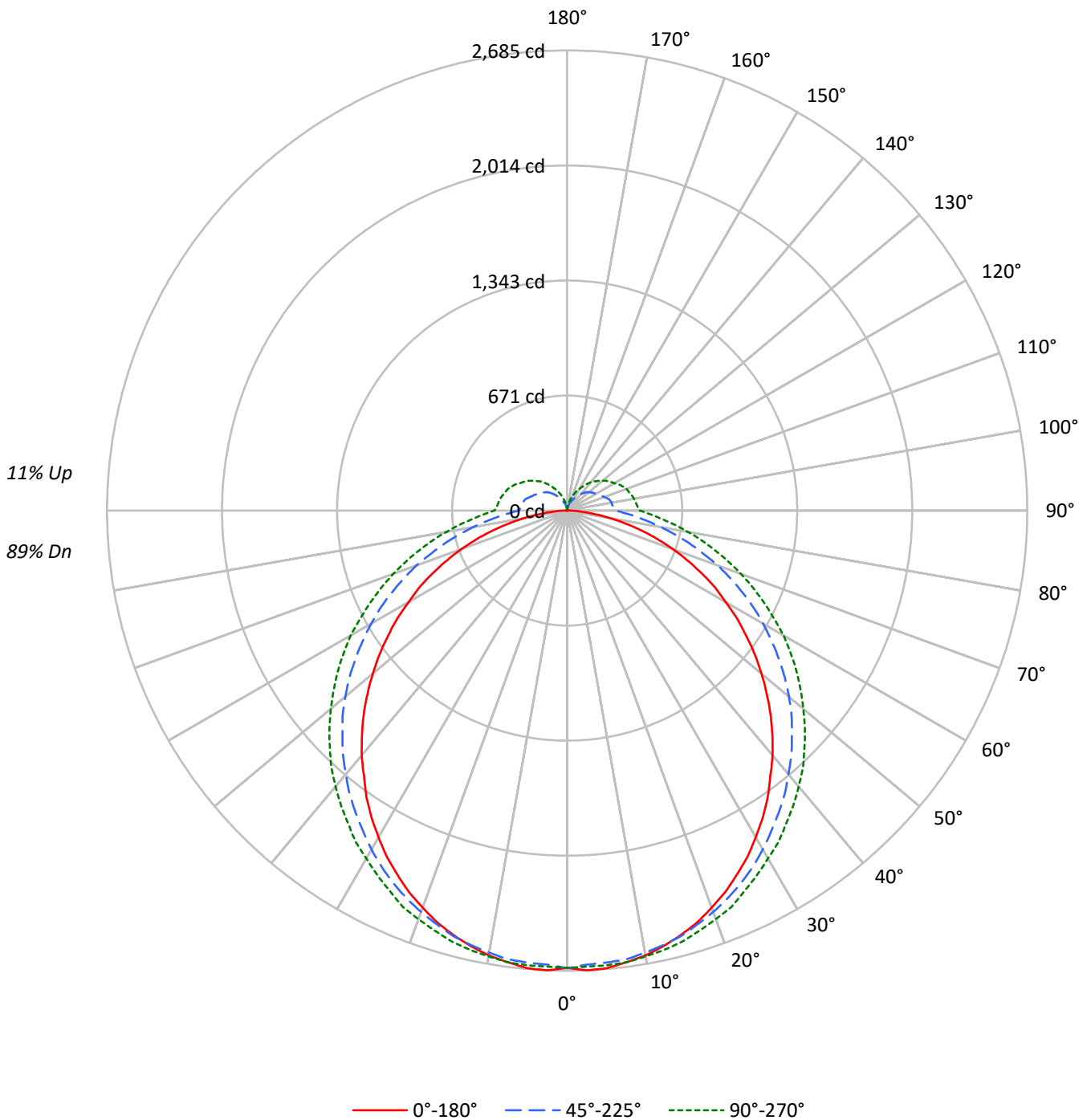
Lumens per Lamp: N/A
Luminaire Lumens: 9500.0 lumens
Efficiency: N/A
Efficacy: 148.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 64.2
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	77	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°	14362	14362	14362
5°	14463	14002	13981
10°	14377	13727	13635
15°	14247	13445	13316
20°	14065	13119	12961
25°	13852	12801	12591
30°	13596	12450	12223
35°	13315	12086	11879
40°	12991	11727	11549
45°	12642	11362	11193
50°	12241	10976	10794
55°	11803	10512	10402
60°	11287	10014	9965
65°	10761	9456	9414
70°	10018	8840	8874
75°	9033	8054	8279
80°	7409	7258	7690
85°	5465	6585	7086



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.5	2.7
10°-20°	728.5	7.7
20°-30°	1107.8	11.7
30°-40°	1344.7	14.2
40°-50°	1421.0	15.0
50°-60°	1329.7	14.0
60°-70°	1091.0	11.5
70°-80°	750.4	7.9
80°-90°	411.0	4.3
90°-100°	264.6	2.8
100°-110°	237.4	2.5
110°-120°	196.5	2.1
120°-130°	151.3	1.6
130°-140°	106.4	1.1
140°-150°	64.1	0.7
150°-160°	30.7	0.3
160°-170°	10.1	0.1
170°-180°	1.2	0.0
0°-30°	2089.8	22.0
0°-40°	3434.5	36.2
0°-60°	6185.2	65.1
0°-90°	8437.6	88.8
90°-120°	698.6	7.4
90°-150°	1020.4	10.7
90°-180°	1062.0	11.2
0°-180°	9500.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2669	2669	2669	2669	2669	
5°	2680	2674	2647	2669	2663	254
15°	2564	2575	2570	2602	2602	723
25°	2344	2372	2399	2448	2448	1080
35°	2041	2091	2151	2212	2228	1275
45°	1678	1755	1854	1937	1959	1293
55°	1276	1381	1508	1601	1634	1142
65°	864	979	1128	1232	1266	855
75°	451	572	737	853	891	475
85°	99	237	402	512	550	114
90°	0	132	281	385	424	7
95°	0	127	270	369	407	0
105°	0	104	253	347	380	4
115°	6	94	215	308	347	5
125°	6	77	182	264	297	5
135°	6	60	149	215	242	4
145°	6	44	104	165	182	3
155°	6	28	66	104	121	3
165°	6	16	33	50	60	2
175°	6	6	11	11	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2668.6	2668.6	2668.6	2668.6	2668.6
2.5°	2685.1	2679.6	2652.1	2674.1	2663.1
5°	2679.6	2674.1	2646.6	2668.6	2663.1
7.5°	2657.6	2657.6	2641.1	2663.1	2657.6
10°	2635.6	2635.6	2619.1	2646.6	2641.1
12.5°	2602.5	2608.0	2597.0	2630.1	2624.6
15°	2564.0	2575.0	2569.5	2602.5	2602.5
17.5°	2520.0	2531.0	2531.0	2569.5	2569.5
20°	2465.0	2481.5	2492.5	2536.5	2536.5
22.5°	2410.0	2432.0	2448.5	2487.0	2503.5
25°	2343.9	2371.5	2399.0	2448.5	2448.5
27.5°	2277.9	2310.9	2343.9	2393.5	2399.0
30°	2200.9	2239.4	2283.4	2332.9	2343.9
32.5°	2123.9	2173.4	2217.4	2277.9	2294.4
35°	2041.3	2090.8	2151.4	2211.9	2228.4
37.5°	1947.8	2008.3	2085.3	2151.4	2167.9
40°	1865.2	1931.3	2008.3	2085.3	2101.8
42.5°	1771.7	1843.2	1936.8	2008.3	2035.8
45°	1678.2	1755.2	1854.2	1936.8	1958.8
47.5°	1579.1	1667.2	1777.2	1854.2	1881.8
50°	1480.1	1573.6	1689.2	1777.2	1799.2
52.5°	1381.1	1480.1	1601.1	1689.2	1716.7
55°	1276.5	1381.1	1507.6	1601.1	1634.2
57.5°	1177.5	1282.0	1414.1	1513.1	1546.1
60°	1067.4	1188.5	1320.5	1419.6	1458.1
62.5°	973.9	1083.9	1227.0	1326.0	1359.0
65°	863.8	979.4	1128.0	1232.5	1265.5
67.5°	759.3	880.4	1028.9	1139.0	1172.0
70°	654.8	775.8	935.4	1039.9	1078.4
72.5°	550.2	676.8	830.8	946.4	984.9
75°	451.2	572.2	737.3	852.8	891.4
77.5°	346.6	478.7	643.8	759.3	803.3
80°	253.1	390.7	555.7	671.3	715.3
82.5°	170.6	308.1	473.2	588.7	632.8
85°	99.0	236.6	401.7	511.7	550.2
87.5°	49.5	181.6	335.6	445.7	484.2
90°	0.0	132.1	280.6	385.2	423.7
92.5°	0.0	126.6	275.1	374.2	412.7
95°	0.0	126.6	269.6	368.6	407.2
97.5°	0.0	121.0	264.1	368.6	401.7
100°	0.0	115.5	264.1	363.1	396.2
102.5°	0.0	110.0	258.6	357.6	390.7
105°	0.0	104.5	253.1	346.6	379.7
107.5°	5.5	104.5	242.1	341.1	374.2
110°	5.5	99.0	231.1	335.6	368.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.5	93.5	220.1	324.6	357.6
115°	5.5	93.5	214.6	308.1	346.6
117.5°	5.5	88.0	203.6	297.1	335.6
120°	5.5	88.0	198.1	286.1	319.1
122.5°	5.5	82.5	187.1	275.1	308.1
125°	5.5	77.0	181.6	264.1	297.1
127.5°	5.5	71.5	176.1	253.1	286.1
130°	5.5	66.0	165.1	242.1	269.6
132.5°	5.5	66.0	159.6	225.6	258.6
135°	5.5	60.5	148.6	214.6	242.1
137.5°	5.5	55.0	137.6	203.6	231.1
140°	5.5	49.5	126.6	192.6	214.6
142.5°	5.5	49.5	115.5	176.1	198.1
145°	5.5	44.0	104.5	165.1	181.6
147.5°	5.5	38.5	93.5	148.6	165.1
150°	5.5	38.5	82.5	132.1	148.6
152.5°	5.5	33.0	71.5	121.0	137.6
155°	5.5	27.5	66.0	104.5	121.0
157.5°	5.5	27.5	55.0	88.0	104.5
160°	5.5	22.0	49.5	71.5	88.0
162.5°	5.5	22.0	44.0	60.5	77.0
165°	5.5	16.5	33.0	49.5	60.5
167.5°	5.5	16.5	27.5	38.5	49.5
170°	5.5	11.0	22.0	27.5	38.5
172.5°	5.5	11.0	16.5	16.5	16.5
175°	5.5	5.5	11.0	11.0	5.5
177.5°	5.5	5.5	5.5	5.5	5.5
180°	5.5	5.5	5.5	5.5	5.5

(END OF REPORT)