

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: P568125

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568125
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-96SL-LC-UNV-L850-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

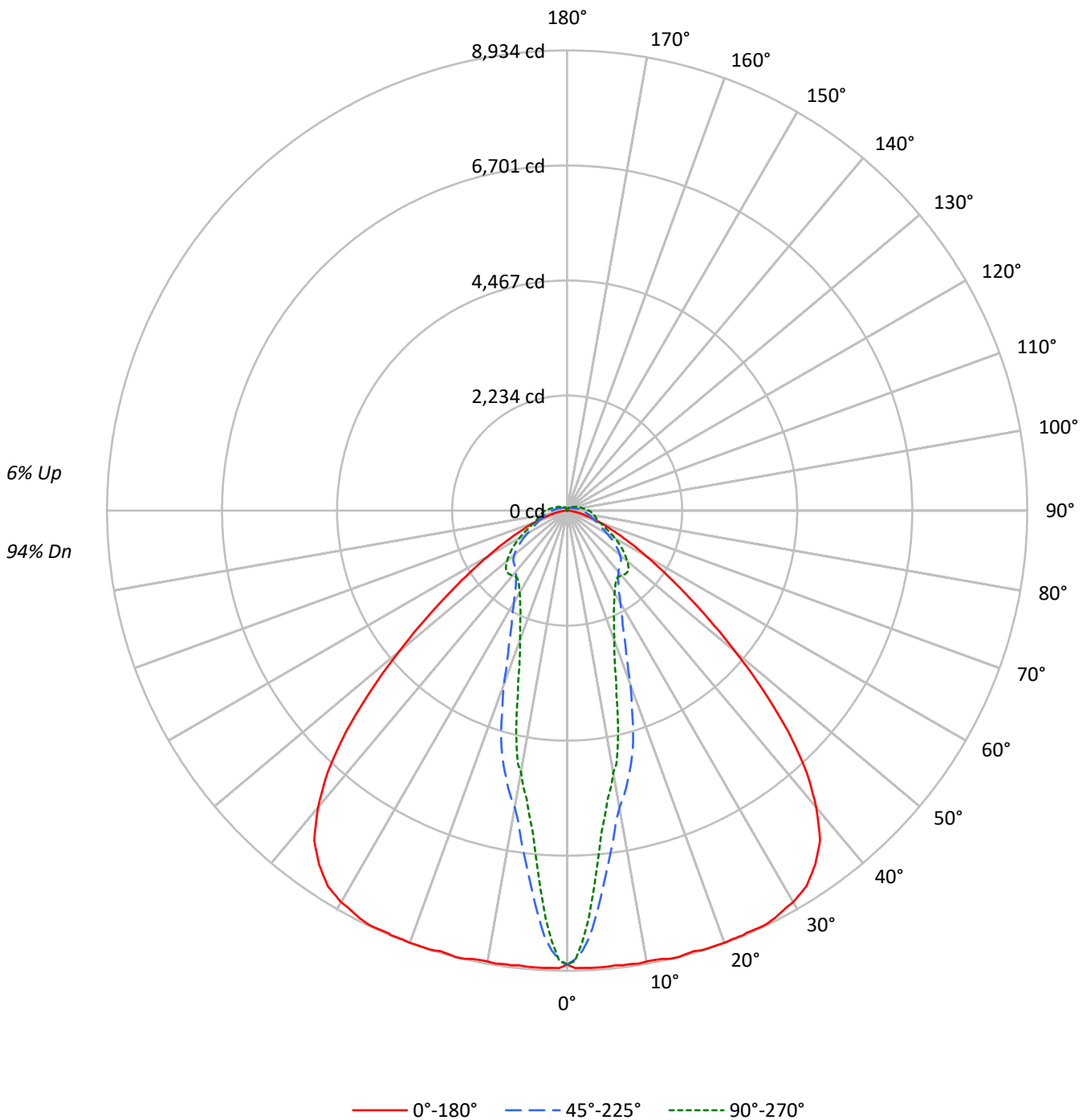
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10862.0 lumens
Efficiency: N/A
Efficacy: 169.2 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): 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	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°	47425	47425	47425
5°	47939	39000	34866
10°	48404	29476	25234
15°	49380	24121	17473
20°	50753	17472	12341
25°	52446	12530	9708
30°	53905	10021	8268
35°	54359	8486	7405
40°	51966	7722	7423
45°	45239	7469	7626
50°	34836	7112	7116
55°	25362	6227	6315
60°	18506	5204	5339
65°	13571	4407	4376
70°	10108	3900	3774
75°	7303	3620	3517
80°	4937	3398	3464
85°	2499	3250	3469



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	693.0	6.4
10°-20°	1504.8	13.9
20°-30°	1722.5	15.9
30°-40°	1725.6	15.9
40°-50°	1633.5	15.0
50°-60°	1252.7	11.5
60°-70°	807.5	7.4
70°-80°	514.9	4.7
80°-90°	341.9	3.1
90°-100°	229.9	2.1
100°-110°	151.5	1.4
110°-120°	105.4	1.0
120°-130°	73.5	0.7
130°-140°	51.0	0.5
140°-150°	31.2	0.3
150°-160°	15.8	0.1
160°-170°	6.1	0.1
170°-180°	1.2	0.0
0°-30°	3920.3	36.1
0°-40°	5645.9	52.0
0°-60°	8532.1	78.5
0°-90°	10196.5	93.9
90°-120°	486.7	4.5
90°-150°	642.4	5.9
90°-180°	666.0	6.1
0°-180°	10862.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8812	8812	8812	8812	8812	
5°	8890	8400	7526	7019	6830	849
15°	8912	6418	4893	4019	3696	2528
25°	8918	4542	2588	2249	2143	4111
35°	8394	2527	1731	1676	1653	5208
45°	6068	1598	1458	1614	1670	4613
55°	2783	1141	1124	1264	1314	2559
65°	1113	718	707	807	835	1145
75°	378	390	490	562	590	416
85°	50	178	345	451	484	69
90°	0	122	290	401	418	2
95°	0	89	239	328	345	0
105°	0	67	156	223	239	4
115°	6	56	117	161	173	6
125°	6	50	100	117	122	5
135°	6	39	78	95	100	4
145°	6	28	56	72	78	4
155°	6	17	33	50	56	3
165°	11	11	22	28	33	3
175°	11	11	11	11	6	1
180°	11	11	11	11	11	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8811.8	8811.8	8811.8	8811.8	8811.8
1°	8884.1	8834.0	8717.2	8750.5	8745.0
2°	8884.1	8778.4	8550.2	8483.4	8383.2
3°	8889.7	8683.8	8294.1	8077.0	7937.8
4°	8889.7	8544.6	7915.6	7553.8	7375.6
5°	8889.7	8399.9	7525.9	7019.4	6830.1
6°	8878.6	8227.3	7130.7	6596.3	6312.4
7°	8895.3	8038.0	6774.4	6201.1	5978.4
8°	8889.7	7815.4	6446.0	5900.5	5655.6
9°	8906.4	7598.3	6089.8	5616.6	5432.9
10°	8889.7	7397.9	5856.0	5349.4	5160.2
11°	8889.7	7203.1	5689.0	5176.9	5015.4
12°	8900.8	6980.4	5505.3	4931.9	4709.3
13°	8928.7	6752.2	5293.7	4664.7	4403.1
14°	8934.2	6579.6	5098.9	4325.2	4052.4
15°	8912.0	6418.2	4893.0	4019.0	3696.2
16°	8900.8	6251.2	4648.0	3729.6	3440.1
17°	8923.1	6056.4	4369.7	3434.5	3167.3
18°	8928.7	5878.2	4074.7	3211.9	2978.1
19°	8928.7	5739.1	3835.3	3005.9	2805.5
20°	8928.7	5605.5	3590.4	2850.1	2677.5
21°	8917.5	5438.5	3312.1	2688.6	2543.9
22.5°	8923.1	5126.8	2994.8	2499.4	2382.5
23°	8906.4	5048.8	2916.8	2449.3	2326.8
24°	8912.0	4826.2	2749.9	2349.1	2232.2
25°	8917.5	4542.3	2588.4	2248.9	2143.1
26°	8906.4	4314.0	2454.8	2154.2	2081.9
27°	8878.6	4130.3	2360.2	2076.3	2009.5
28°	8839.6	3885.4	2260.0	2009.5	1948.3
29°	8800.6	3607.1	2159.8	1937.1	1892.6
30°	8778.4	3384.4	2065.2	1881.5	1842.5
32.5°	8644.8	2944.7	1870.3	1770.1	1736.8
35°	8394.3	2527.2	1731.2	1675.5	1653.3
37.5°	8065.9	2204.3	1625.4	1614.3	1619.9
40°	7525.9	1948.3	1547.5	1597.6	1647.7
42.5°	6880.2	1747.9	1491.8	1614.3	1670.0
45°	6067.5	1597.6	1458.4	1614.3	1670.0
47.5°	5165.7	1475.1	1419.5	1558.6	1614.3
50°	4263.9	1363.8	1341.5	1475.1	1525.2
52.5°	3467.9	1258.0	1241.3	1369.4	1419.5
55°	2783.3	1141.1	1124.4	1263.6	1313.7
57.5°	2232.2	1029.8	1013.1	1141.1	1191.2
60°	1781.3	918.5	890.6	1018.7	1068.8
62.5°	1419.5	812.7	796.0	907.3	951.9
65°	1113.3	718.1	706.9	807.1	835.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	879.5	629.0	634.6	718.1	751.5
70°	679.1	545.5	578.9	656.8	679.1
72.5°	512.1	462.0	534.4	601.2	629.0
75°	378.5	389.7	489.9	562.2	590.0
77.5°	261.6	322.9	450.9	528.8	556.7
80°	178.1	261.6	411.9	501.0	534.4
82.5°	105.8	217.1	378.5	473.2	512.1
85°	50.1	178.1	345.1	450.9	484.3
87.5°	16.7	144.7	311.7	428.6	456.5
90°	0.0	122.5	289.5	400.8	417.5
92.5°	0.0	105.8	261.6	367.4	378.5
95°	0.0	89.1	239.4	328.4	345.1
97.5°	0.0	83.5	222.7	295.0	317.3
100°	0.0	77.9	200.4	267.2	289.5
102.5°	0.0	66.8	178.1	239.4	261.6
105°	0.0	66.8	155.9	222.7	239.4
107.5°	5.6	61.2	144.7	200.4	222.7
110°	5.6	61.2	128.0	189.3	206.0
112.5°	5.6	61.2	122.5	172.6	194.8
115°	5.6	55.7	116.9	161.4	172.6
117.5°	5.6	55.7	111.3	144.7	155.9
120°	5.6	50.1	105.8	133.6	139.2
122.5°	5.6	50.1	100.2	122.5	128.0
125°	5.6	50.1	100.2	116.9	122.5
127.5°	5.6	44.5	94.6	111.3	111.3
130°	5.6	44.5	89.1	105.8	105.8
132.5°	5.6	39.0	83.5	100.2	105.8
135°	5.6	39.0	77.9	94.6	100.2
137.5°	5.6	33.4	72.4	89.1	94.6
140°	5.6	33.4	66.8	83.5	89.1
142.5°	5.6	27.8	61.2	77.9	83.5
145°	5.6	27.8	55.7	72.4	77.9
147.5°	5.6	27.8	50.1	66.8	72.4
150°	5.6	22.3	44.5	61.2	66.8
152.5°	5.6	22.3	39.0	55.7	61.2
155°	5.6	16.7	33.4	50.1	55.7
157.5°	5.6	16.7	33.4	44.5	50.1
160°	11.1	16.7	27.8	39.0	44.5
162.5°	5.6	11.1	27.8	33.4	39.0
165°	11.1	11.1	22.3	27.8	33.4
167.5°	11.1	11.1	16.7	22.3	27.8
170°	11.1	11.1	16.7	16.7	22.3
172.5°	11.1	11.1	11.1	16.7	11.1
175°	11.1	11.1	11.1	11.1	5.6
177.5°	11.1	11.1	11.1	11.1	5.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	11.1	11.1	11.1	11.1	11.1

(END OF REPORT)