

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: P568124

Luminaire Tested: **8SNX-96SL-LC-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568124
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-L840-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

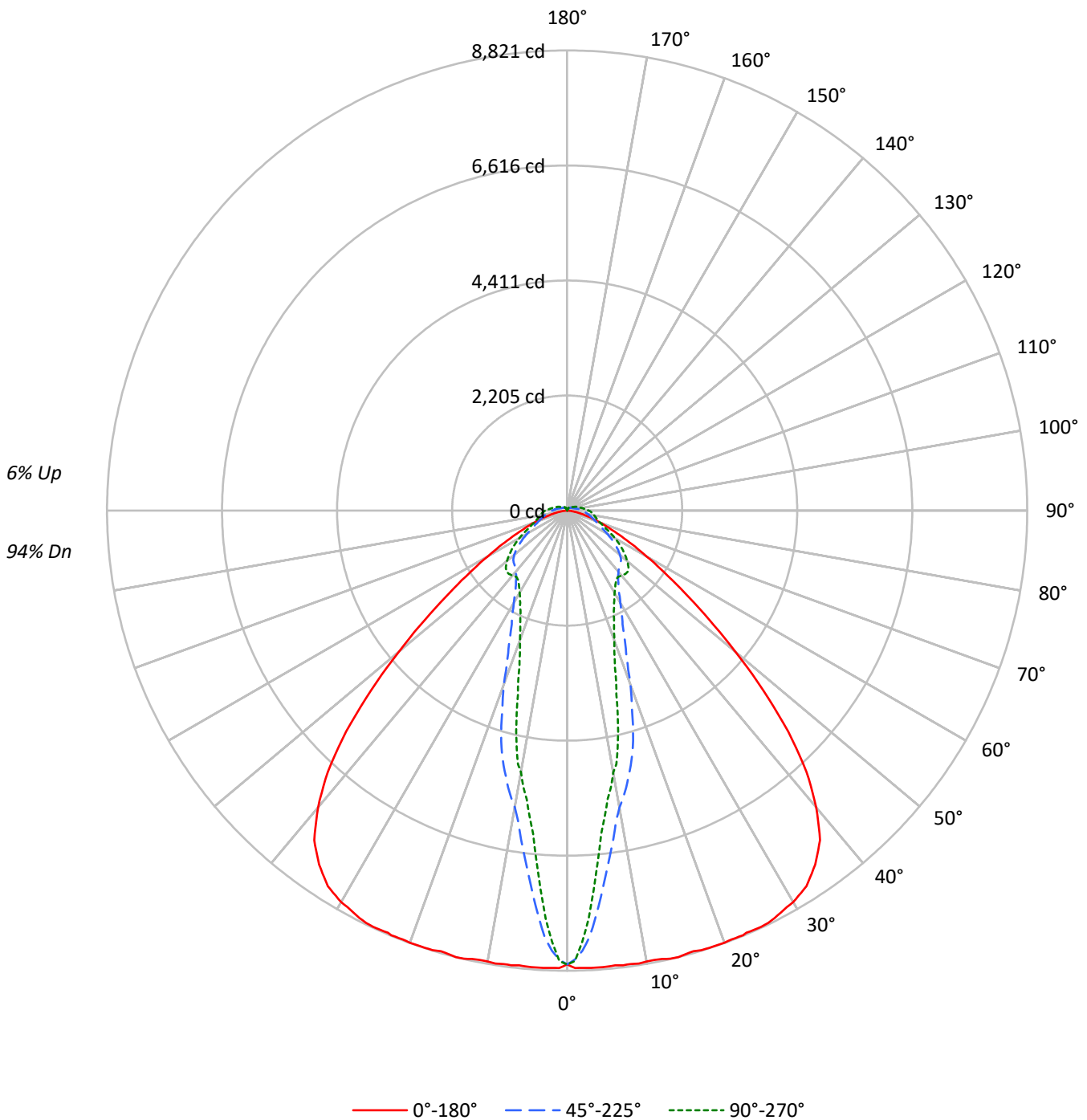
Lumens per Lamp: N/A
Luminaire Lumens: 10724.0 lumens
Efficiency: N/A
Efficacy: 167.0 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 64.2
Input Voltage (V): NR
Input Current (A_{in}): 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°	46822	46822	46822
5°	47331	38505	34423
10°	47790	29102	24913
15°	48753	23814	17251
20°	50108	17250	12184
25°	51779	12371	9585
30°	53221	9894	8163
35°	53668	8378	7311
40°	51306	7624	7329
45°	44664	7374	7529
50°	34394	7022	7026
55°	25039	6148	6234
60°	18271	5138	5271
65°	13399	4352	4321
70°	9980	3851	3726
75°	7210	3573	3473
80°	4876	3355	3420
85°	2469	3209	3425



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	684.2	6.4
10°-20°	1485.7	13.9
20°-30°	1700.6	15.9
30°-40°	1703.7	15.9
40°-50°	1612.7	15.0
50°-60°	1236.8	11.5
60°-70°	797.2	7.4
70°-80°	508.4	4.7
80°-90°	337.6	3.1
90°-100°	226.9	2.1
100°-110°	149.5	1.4
110°-120°	104.0	1.0
120°-130°	72.6	0.7
130°-140°	50.4	0.5
140°-150°	30.8	0.3
150°-160°	15.7	0.1
160°-170°	6.0	0.1
170°-180°	1.2	0.0
0°-30°	3870.5	36.1
0°-40°	5574.2	52.0
0°-60°	8423.7	78.6
0°-90°	10066.9	93.9
90°-120°	480.5	4.5
90°-150°	634.2	5.9
90°-180°	657.0	6.1
0°-180°	10724.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8700	8700	8700	8700	8700	
5°	8777	8293	7430	6930	6743	838
15°	8799	6337	4831	3968	3649	2496
25°	8804	4485	2556	2220	2116	4059
35°	8288	2495	1709	1654	1632	5142
45°	5990	1577	1440	1594	1649	4555
55°	2748	1127	1110	1248	1297	2527
65°	1099	709	698	797	824	1131
75°	374	385	484	555	583	411
85°	50	176	341	445	478	68
90°	0	121	286	396	412	2
95°	0	88	236	324	341	0
105°	0	66	154	220	236	4
115°	6	55	115	159	170	5
125°	6	50	99	115	121	5
135°	6	38	77	93	99	4
145°	6	28	55	71	77	3
155°	6	16	33	50	55	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°	8699.8	8699.8	8699.8	8699.8	8699.8
1°	8771.3	8721.8	8606.4	8639.4	8633.9
2°	8771.3	8666.9	8441.5	8375.6	8276.7
3°	8776.8	8573.4	8188.7	7974.4	7837.0
4°	8776.8	8436.0	7815.0	7457.8	7281.9
5°	8776.8	8293.1	7430.3	6930.2	6743.3
6°	8765.8	8122.8	7040.1	6512.5	6232.2
7°	8782.3	7935.9	6688.4	6122.3	5902.5
8°	8776.8	7716.1	6364.1	5825.5	5583.7
9°	8793.3	7501.7	6012.4	5545.2	5363.9
10°	8776.8	7303.9	5781.6	5281.5	5094.6
11°	8776.8	7111.5	5616.7	5111.1	4951.7
12°	8787.8	6891.7	5435.3	4869.3	4649.4
13°	8815.2	6666.4	5226.5	4605.5	4347.2
14°	8820.7	6496.0	5034.1	4270.2	4000.9
15°	8798.8	6336.6	4830.8	3968.0	3649.2
16°	8787.8	6171.8	4589.0	3682.2	3396.4
17°	8809.7	5979.4	4314.2	3390.9	3127.1
18°	8815.2	5803.5	4022.9	3171.1	2940.2
19°	8815.2	5666.2	3786.6	2967.7	2769.9
20°	8815.2	5534.3	3544.8	2813.8	2643.5
21°	8804.2	5369.4	3270.0	2654.5	2511.6
22.5°	8809.7	5061.6	2956.7	2467.6	2352.2
23°	8793.3	4984.7	2879.8	2418.1	2297.2
24°	8798.8	4764.8	2714.9	2319.2	2203.8
25°	8804.2	4484.6	2555.5	2220.3	2115.9
26°	8793.3	4259.2	2423.6	2126.9	2055.4
27°	8765.8	4077.9	2330.2	2049.9	1984.0
28°	8727.3	3836.1	2231.3	1984.0	1923.5
29°	8688.8	3561.3	2132.4	1912.5	1868.6
30°	8666.9	3341.4	2038.9	1857.6	1819.1
32.5°	8535.0	2907.3	1846.6	1747.7	1714.7
35°	8287.6	2495.1	1709.2	1654.2	1632.2
37.5°	7963.4	2176.3	1604.8	1593.8	1599.3
40°	7430.3	1923.5	1527.8	1577.3	1626.8
42.5°	6792.8	1725.7	1472.9	1593.8	1648.7
45°	5990.4	1577.3	1439.9	1593.8	1648.7
47.5°	5100.1	1456.4	1401.4	1538.8	1593.8
50°	4209.8	1346.5	1324.5	1456.4	1505.8
52.5°	3423.9	1242.0	1225.6	1352.0	1401.4
55°	2747.9	1126.6	1110.1	1247.5	1297.0
57.5°	2203.8	1016.7	1000.2	1126.6	1176.1
60°	1758.7	906.8	879.3	1005.7	1055.2
62.5°	1401.4	802.4	785.9	895.8	939.8
65°	1099.2	709.0	698.0	796.9	824.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	868.3	621.0	626.5	709.0	741.9
70°	670.5	538.6	571.6	648.5	670.5
72.5°	505.6	456.2	527.6	593.5	621.0
75°	373.7	384.7	483.6	555.1	582.6
77.5°	258.3	318.8	445.2	522.1	549.6
80°	175.9	258.3	406.7	494.6	527.6
82.5°	104.4	214.3	373.7	467.1	505.6
85°	49.5	175.9	340.7	445.2	478.1
87.5°	16.5	142.9	307.8	423.2	450.7
90°	0.0	120.9	285.8	395.7	412.2
92.5°	0.0	104.4	258.3	362.7	373.7
95°	0.0	87.9	236.3	324.3	340.7
97.5°	0.0	82.4	219.8	291.3	313.3
100°	0.0	76.9	197.8	263.8	285.8
102.5°	0.0	65.9	175.9	236.3	258.3
105°	0.0	65.9	153.9	219.8	236.3
107.5°	5.5	60.5	142.9	197.8	219.8
110°	5.5	60.5	126.4	186.9	203.3
112.5°	5.5	60.5	120.9	170.4	192.4
115°	5.5	55.0	115.4	159.4	170.4
117.5°	5.5	55.0	109.9	142.9	153.9
120°	5.5	49.5	104.4	131.9	137.4
122.5°	5.5	49.5	98.9	120.9	126.4
125°	5.5	49.5	98.9	115.4	120.9
127.5°	5.5	44.0	93.4	109.9	109.9
130°	5.5	44.0	87.9	104.4	104.4
132.5°	5.5	38.5	82.4	98.9	104.4
135°	5.5	38.5	76.9	93.4	98.9
137.5°	5.5	33.0	71.4	87.9	93.4
140°	5.5	33.0	65.9	82.4	87.9
142.5°	5.5	27.5	60.5	76.9	82.4
145°	5.5	27.5	55.0	71.4	76.9
147.5°	5.5	27.5	49.5	65.9	71.4
150°	5.5	22.0	44.0	60.5	65.9
152.5°	5.5	22.0	38.5	55.0	60.5
155°	5.5	16.5	33.0	49.5	55.0
157.5°	5.5	16.5	33.0	44.0	49.5
160°	11.0	16.5	27.5	38.5	44.0
162.5°	5.5	11.0	27.5	33.0	38.5
165°	11.0	11.0	22.0	27.5	33.0
167.5°	11.0	11.0	16.5	22.0	27.5
170°	11.0	11.0	16.5	16.5	22.0
172.5°	11.0	11.0	11.0	16.5	11.0
175°	11.0	11.0	11.0	11.0	5.5
177.5°	11.0	11.0	11.0	11.0	5.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	11.0	11.0	11.0	11.0	11.0

(END OF REPORT)