

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: P567836

Luminaire Tested: **8SNX-52SL-LC-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567836
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-52SL-LC-UNV-L840-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

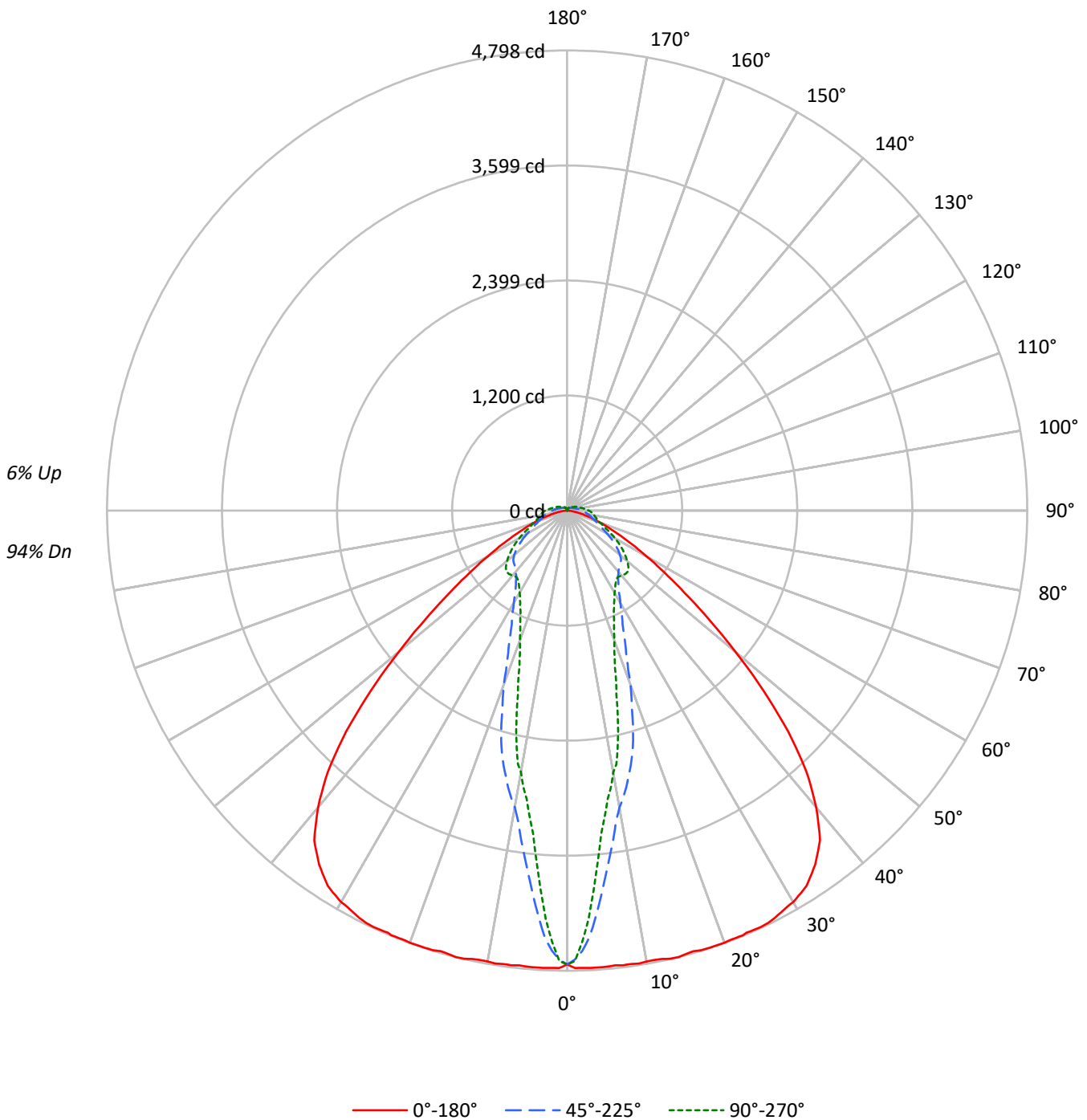
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5833.0 lumens
Efficiency: N/A
Efficacy: 177.8 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): 32.8
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°	25467	25467	25467
5°	25744	20943	18723
10°	25994	15829	13551
15°	26518	12953	9383
20°	27255	9383	6627
25°	28164	6729	5214
30°	28948	5381	4440
35°	29191	4557	3977
40°	27906	4147	3986
45°	24294	4011	4095
50°	18708	3819	3822
55°	13619	3344	3391
60°	9938	2795	2867
65°	7288	2367	2350
70°	5428	2095	2027
75°	3922	1944	1889
80°	2653	1825	1861
85°	1342	1745	1863



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.1	6.4
10°-20°	808.1	13.9
20°-30°	925.0	15.9
30°-40°	926.7	15.9
40°-50°	877.2	15.0
50°-60°	672.7	11.5
60°-70°	433.6	7.4
70°-80°	276.5	4.7
80°-90°	183.6	3.1
90°-100°	123.4	2.1
100°-110°	81.3	1.4
110°-120°	56.6	1.0
120°-130°	39.5	0.7
130°-140°	27.4	0.5
140°-150°	16.8	0.3
150°-160°	8.5	0.1
160°-170°	3.3	0.1
170°-180°	0.6	0.0
0°-30°	2105.2	36.1
0°-40°	3031.9	52.0
0°-60°	4581.8	78.6
0°-90°	5475.6	93.9
90°-120°	261.4	4.5
90°-150°	345.0	5.9
90°-180°	357.0	6.1
0°-180°	5833.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4732	4732	4732	4732	4732	
5°	4774	4511	4042	3770	3668	456
15°	4786	3447	2628	2158	1985	1357
25°	4789	2439	1390	1208	1151	2208
35°	4508	1357	930	900	888	2797
45°	3258	858	783	867	897	2477
55°	1495	613	604	679	706	1374
65°	598	386	380	433	448	615
75°	203	209	263	302	317	223
85°	27	96	185	242	260	37
90°	0	66	155	215	224	1
95°	0	48	128	176	185	0
105°	0	36	84	120	128	2
115°	3	30	63	87	93	3
125°	3	27	54	63	66	3
135°	3	21	42	51	54	2
145°	3	15	30	39	42	2
155°	3	9	18	27	30	2
165°	6	6	12	15	18	1
175°	6	6	6	6	3	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4732.0	4732.0	4732.0	4732.0	4732.0
1°	4770.9	4744.0	4681.2	4699.1	4696.1
2°	4770.9	4714.1	4591.5	4555.6	4501.8
3°	4773.9	4663.3	4454.0	4337.4	4262.7
4°	4773.9	4588.5	4250.7	4056.4	3960.8
5°	4773.9	4510.8	4041.5	3769.5	3667.8
6°	4767.9	4418.1	3829.3	3542.3	3389.8
7°	4776.9	4316.5	3637.9	3330.0	3210.5
8°	4773.9	4196.9	3461.6	3168.6	3037.1
9°	4782.8	4080.4	3270.3	3016.2	2917.5
10°	4773.9	3972.7	3144.7	2872.7	2771.1
11°	4773.9	3868.1	3055.0	2780.0	2693.3
12°	4779.8	3748.5	2956.4	2648.5	2528.9
13°	4794.8	3626.0	2842.8	2505.0	2364.5
14°	4797.8	3533.3	2738.2	2322.7	2176.2
15°	4785.8	3446.6	2627.6	2158.3	1984.9
16°	4779.8	3356.9	2496.0	2002.8	1847.4
17°	4791.8	3252.3	2346.6	1844.4	1700.9
18°	4794.8	3156.7	2188.1	1724.8	1599.3
19°	4794.8	3081.9	2059.6	1614.2	1506.6
20°	4794.8	3010.2	1928.1	1530.5	1437.8
21°	4788.8	2920.5	1778.6	1443.8	1366.1
22.5°	4791.8	2753.1	1608.2	1342.2	1279.4
23°	4782.8	2711.3	1566.4	1315.3	1249.5
24°	4785.8	2591.7	1476.7	1261.5	1198.7
25°	4788.8	2439.2	1390.0	1207.7	1150.9
26°	4782.8	2316.7	1318.3	1156.8	1118.0
27°	4767.9	2218.0	1267.5	1115.0	1079.1
28°	4747.0	2086.5	1213.6	1079.1	1046.2
29°	4726.0	1937.0	1159.8	1040.3	1016.4
30°	4714.1	1817.5	1109.0	1010.4	989.4
32.5°	4642.3	1581.3	1004.4	950.6	932.7
35°	4507.8	1357.1	929.7	899.8	887.8
37.5°	4331.5	1183.8	872.9	866.9	869.9
40°	4041.5	1046.2	831.0	857.9	884.8
42.5°	3694.7	938.6	801.1	866.9	896.8
45°	3258.3	857.9	783.2	866.9	896.8
47.5°	2774.0	792.2	762.3	837.0	866.9
50°	2289.8	732.4	720.4	792.2	819.1
52.5°	1862.3	675.6	666.6	735.4	762.3
55°	1494.6	612.8	603.8	678.6	705.5
57.5°	1198.7	553.0	544.0	612.8	639.7
60°	956.6	493.2	478.3	547.0	573.9
62.5°	762.3	436.4	427.5	487.3	511.2
65°	597.9	385.6	379.6	433.4	448.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	472.3	337.8	340.8	385.6	403.6
70°	364.7	292.9	310.9	352.7	364.7
72.5°	275.0	248.1	287.0	322.8	337.8
75°	203.3	209.2	263.1	301.9	316.9
77.5°	140.5	173.4	242.1	284.0	298.9
80°	95.7	140.5	221.2	269.0	287.0
82.5°	56.8	116.6	203.3	254.1	275.0
85°	26.9	95.7	185.3	242.1	260.1
87.5°	9.0	77.7	167.4	230.2	245.1
90°	0.0	65.8	155.4	215.2	224.2
92.5°	0.0	56.8	140.5	197.3	203.3
95°	0.0	47.8	128.5	176.4	185.3
97.5°	0.0	44.8	119.6	158.4	170.4
100°	0.0	41.8	107.6	143.5	155.4
102.5°	0.0	35.9	95.7	128.5	140.5
105°	0.0	35.9	83.7	119.6	128.5
107.5°	3.0	32.9	77.7	107.6	119.6
110°	3.0	32.9	68.8	101.6	110.6
112.5°	3.0	32.9	65.8	92.7	104.6
115°	3.0	29.9	62.8	86.7	92.7
117.5°	3.0	29.9	59.8	77.7	83.7
120°	3.0	26.9	56.8	71.7	74.7
122.5°	3.0	26.9	53.8	65.8	68.8
125°	3.0	26.9	53.8	62.8	65.8
127.5°	3.0	23.9	50.8	59.8	59.8
130°	3.0	23.9	47.8	56.8	56.8
132.5°	3.0	20.9	44.8	53.8	56.8
135°	3.0	20.9	41.8	50.8	53.8
137.5°	3.0	17.9	38.9	47.8	50.8
140°	3.0	17.9	35.9	44.8	47.8
142.5°	3.0	14.9	32.9	41.8	44.8
145°	3.0	14.9	29.9	38.9	41.8
147.5°	3.0	14.9	26.9	35.9	38.9
150°	3.0	12.0	23.9	32.9	35.9
152.5°	3.0	12.0	20.9	29.9	32.9
155°	3.0	9.0	17.9	26.9	29.9
157.5°	3.0	9.0	17.9	23.9	26.9
160°	6.0	9.0	14.9	20.9	23.9
162.5°	3.0	6.0	14.9	17.9	20.9
165°	6.0	6.0	12.0	14.9	17.9
167.5°	6.0	6.0	9.0	12.0	14.9
170°	6.0	6.0	9.0	9.0	12.0
172.5°	6.0	6.0	6.0	9.0	6.0
175°	6.0	6.0	6.0	6.0	3.0
177.5°	6.0	6.0	6.0	6.0	3.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.0	6.0	6.0	6.0	6.0

(END OF REPORT)