

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: P568034

Luminaire Tested: **8SNX-82SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568034
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-82SL-LN-UNV-L830-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

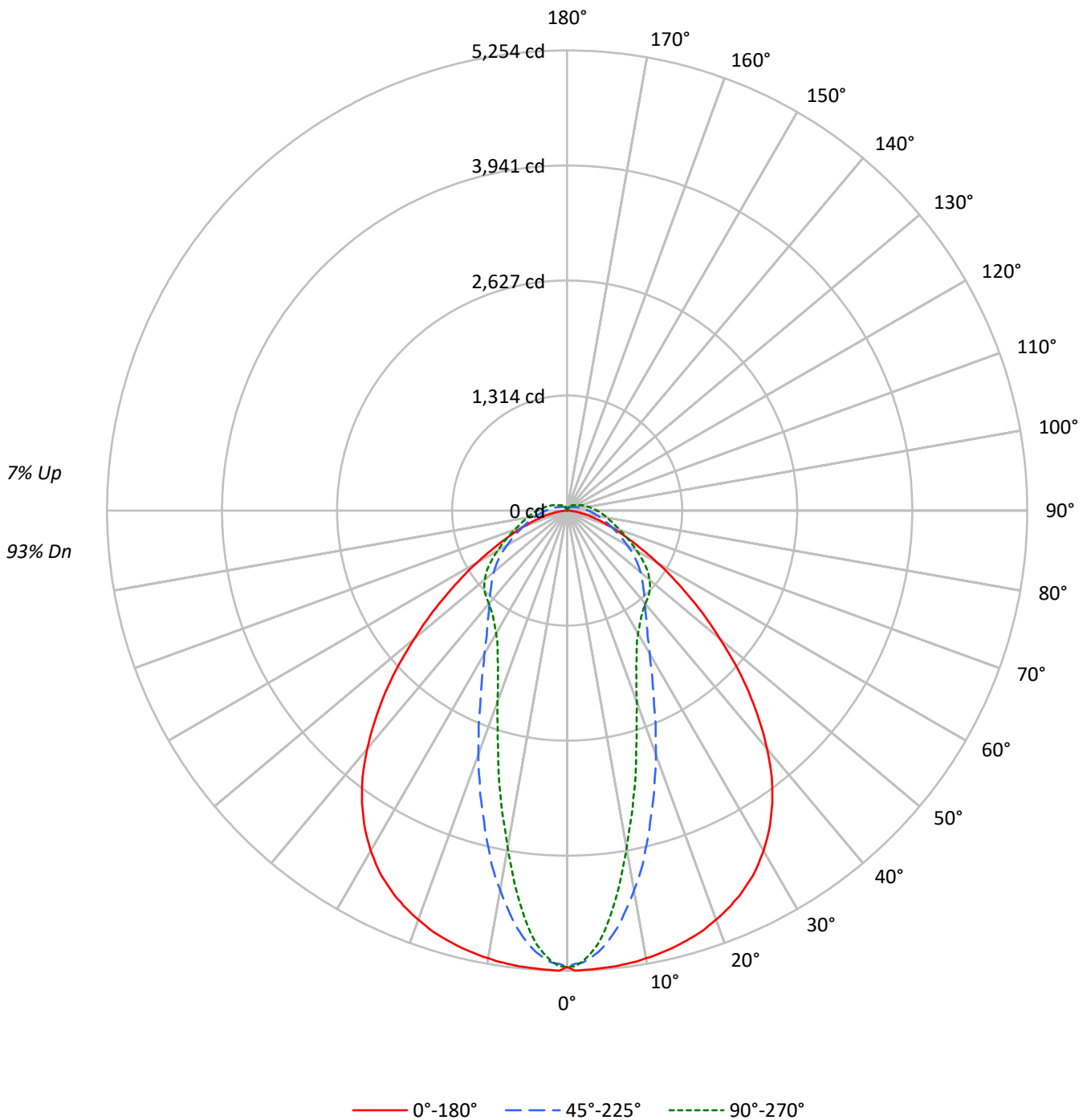
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8306.0 lumens
Efficiency: N/A
Efficacy: 157.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 52.6
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28043	28043	28043
5°	28240	25806	24666
10°	28253	22152	19137
15°	28292	18090	14343
20°	28258	14426	10734
25°	28059	11316	8519
30°	27532	9167	7266
35°	26442	7767	6610
40°	24527	6864	6256
45°	21876	6287	6063
50°	18600	5792	5728
55°	15350	5256	5231
60°	12346	4630	4588
65°	9658	4071	3993
70°	7580	3607	3531
75°	5964	3249	3218
80°	4343	2980	2991
85°	2603	2788	2869



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.4	5.6
10°-20°	1081.6	13.0
20°-30°	1283.9	15.5
30°-40°	1291.7	15.6
40°-50°	1200.7	14.5
50°-60°	988.7	11.9
60°-70°	696.7	8.4
70°-80°	455.2	5.5
80°-90°	290.6	3.5
90°-100°	190.6	2.3
100°-110°	129.4	1.6
110°-120°	88.7	1.1
120°-130°	61.4	0.7
130°-140°	41.3	0.5
140°-150°	25.4	0.3
150°-160°	13.2	0.2
160°-170°	4.8	0.1
170°-180°	0.8	0.0
0°-30°	2826.9	34.0
0°-40°	4118.6	49.6
0°-60°	6308.1	75.9
0°-90°	7750.5	93.3
90°-120°	408.6	4.9
90°-150°	536.7	6.5
90°-180°	556.0	6.7
0°-180°	8306.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5211	5211	5211	5211	5211	
5°	5237	5167	4980	4884	4832	499
15°	5106	4562	3670	3208	3034	1442
25°	4771	3526	2338	1963	1880	2195
35°	4083	2386	1584	1484	1476	2539
45°	2934	1572	1228	1293	1328	2252
55°	1685	1032	949	1053	1088	1521
65°	792	622	653	736	762	804
75°	309	322	440	518	540	334
85°	52	148	296	383	400	66
90°	0	100	239	326	340	3
95°	0	74	200	274	287	0
105°	0	52	135	192	209	0
115°	4	44	96	139	148	4
125°	4	35	78	100	109	4
135°	4	30	61	78	83	3
145°	4	22	44	61	65	3
155°	4	17	30	44	48	2
165°	4	9	17	22	26	1
175°	9	9	9	9	4	1
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5210.6	5210.6	5210.6	5210.6	5210.6
1°	5254.1	5232.4	5175.8	5215.0	5206.2
2°	5249.8	5228.0	5162.7	5180.1	5149.7
3°	5245.4	5215.0	5114.8	5110.5	5067.0
4°	5241.1	5193.2	5053.9	5001.7	4966.8
5°	5236.7	5167.1	4979.9	4884.1	4831.9
6°	5232.4	5136.6	4884.1	4740.5	4666.5
7°	5223.7	5088.7	4784.0	4588.1	4492.3
8°	5215.0	5045.2	4657.8	4422.7	4305.2
9°	5206.2	4988.6	4531.5	4244.2	4104.9
10°	5188.8	4932.0	4400.9	4061.4	3913.4
11°	5180.1	4866.7	4274.7	3887.3	3713.2
12°	5162.7	4797.1	4139.8	3704.4	3552.1
13°	5145.3	4723.1	3974.3	3547.7	3364.9
14°	5127.9	4644.7	3830.7	3373.6	3203.8
15°	5106.1	4562.0	3669.6	3208.2	3034.1
16°	5084.4	4466.2	3526.0	3038.4	2855.6
17°	5062.6	4374.8	3391.0	2881.7	2716.3
18°	5036.5	4283.4	3234.3	2729.4	2568.3
19°	5001.7	4178.9	3108.1	2590.1	2442.1
20°	4971.2	4083.2	2964.4	2459.5	2328.9
21°	4936.4	3965.6	2820.8	2337.6	2207.0
22.5°	4884.1	3800.2	2637.9	2185.2	2063.3
23°	4858.0	3752.3	2563.9	2128.6	2024.2
24°	4823.2	3626.1	2442.1	2041.6	1937.1
25°	4770.9	3526.0	2337.6	1963.2	1880.5
26°	4723.1	3404.1	2233.1	1893.6	1810.9
27°	4675.2	3286.6	2141.7	1819.6	1749.9
28°	4614.2	3164.7	2041.6	1758.6	1697.7
29°	4548.9	3051.5	1958.9	1706.4	1658.5
30°	4483.6	2925.3	1889.2	1658.5	1619.3
32.5°	4300.8	2646.7	1710.7	1567.1	1541.0
35°	4083.2	2385.5	1584.5	1484.4	1475.7
37.5°	3839.4	2146.1	1471.3	1419.1	1427.8
40°	3552.1	1928.4	1375.6	1371.2	1388.6
42.5°	3247.4	1741.2	1301.6	1332.0	1358.2
45°	2934.0	1571.5	1227.6	1292.9	1327.7
47.5°	2607.5	1423.4	1162.3	1245.0	1284.2
50°	2276.6	1279.8	1092.6	1188.4	1227.6
52.5°	1980.6	1153.6	1023.0	1123.1	1166.6
55°	1684.6	1031.7	949.0	1053.4	1088.3
57.5°	1427.8	918.5	870.6	975.1	1001.2
60°	1188.4	809.7	792.3	888.0	918.5
62.5°	970.7	713.9	718.3	809.7	840.1
65°	792.3	622.5	653.0	735.7	761.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	644.3	535.4	587.7	674.7	696.5
70°	509.3	457.1	535.4	613.8	635.5
72.5°	404.8	387.4	483.2	565.9	583.3
75°	309.1	322.1	439.7	518.0	539.8
77.5°	222.0	269.9	396.1	478.8	496.2
80°	156.7	222.0	361.3	444.0	461.4
82.5°	100.1	182.8	326.5	413.5	431.0
85°	52.2	148.0	296.0	383.1	400.5
87.5°	21.8	121.9	265.5	352.6	370.0
90°	0.0	100.1	239.4	326.5	339.5
92.5°	0.0	87.1	217.7	300.4	313.4
95°	0.0	74.0	200.2	274.2	287.3
97.5°	0.0	69.6	178.5	252.5	265.5
100°	0.0	60.9	161.1	230.7	248.1
102.5°	0.0	56.6	148.0	208.9	226.4
105°	0.0	52.2	134.9	191.5	208.9
107.5°	0.0	47.9	126.2	178.5	191.5
110°	0.0	47.9	113.2	165.4	178.5
112.5°	4.4	43.5	104.5	148.0	161.1
115°	4.4	43.5	95.8	139.3	148.0
117.5°	4.4	43.5	91.4	126.2	134.9
120°	4.4	39.2	87.1	117.5	126.2
122.5°	4.4	39.2	82.7	108.8	113.2
125°	4.4	34.8	78.4	100.1	108.8
127.5°	4.4	34.8	74.0	95.8	100.1
130°	4.4	34.8	69.6	87.1	95.8
132.5°	4.4	30.5	65.3	82.7	87.1
135°	4.4	30.5	60.9	78.4	82.7
137.5°	4.4	26.1	56.6	74.0	78.4
140°	4.4	26.1	52.2	69.6	74.0
142.5°	4.4	21.8	47.9	65.3	69.6
145°	4.4	21.8	43.5	60.9	65.3
147.5°	4.4	21.8	39.2	56.6	60.9
150°	4.4	17.4	34.8	52.2	56.6
152.5°	4.4	17.4	30.5	47.9	52.2
155°	4.4	17.4	30.5	43.5	47.9
157.5°	4.4	13.1	26.1	34.8	43.5
160°	4.4	13.1	21.8	30.5	39.2
162.5°	4.4	13.1	21.8	26.1	30.5
165°	4.4	8.7	17.4	21.8	26.1
167.5°	4.4	8.7	13.1	17.4	21.8
170°	4.4	8.7	13.1	13.1	17.4
172.5°	4.4	8.7	8.7	8.7	8.7
175°	8.7	8.7	8.7	8.7	4.4
177.5°	8.7	8.7	8.7	4.4	4.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.4	4.4	4.4	4.4	4.4

(END OF REPORT)