

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: P568032

Luminaire Tested: **8SNX-82SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568032
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-82SL-LC-UNV-L940-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

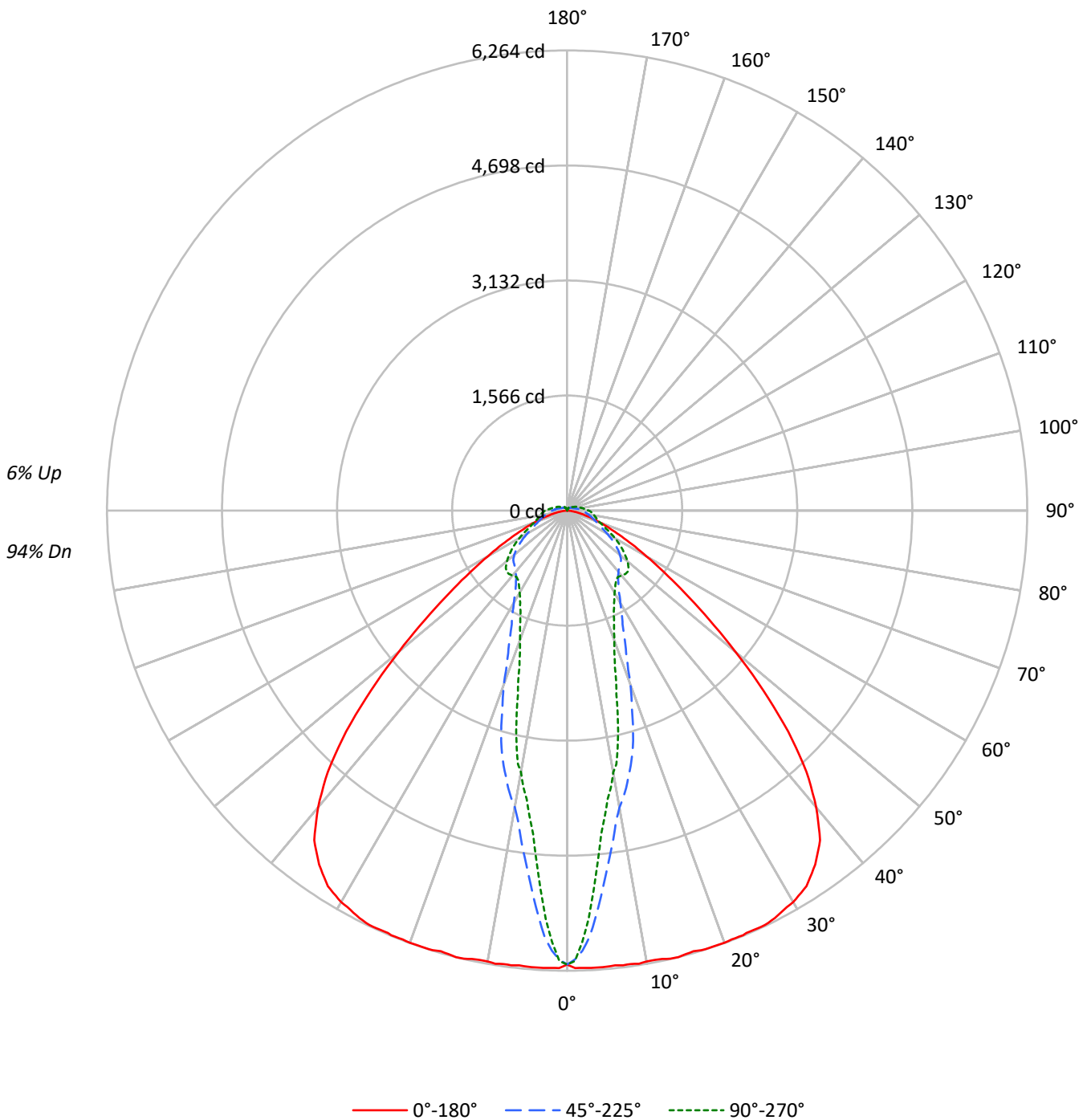
Lumens per Lamp: N/A
Luminaire Lumens: 7616.0 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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	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°	33252	33252	33252
5°	33613	27345	24447
10°	33939	20668	17693
15°	34623	16912	12251
20°	35586	12250	8652
25°	36773	8786	6807
30°	37797	7026	5797
35°	38114	5950	5192
40°	36437	5414	5205
45°	31720	5237	5347
50°	24426	4986	4990
55°	17782	4366	4427
60°	12976	3649	3744
65°	9516	3091	3069
70°	7088	2735	2646
75°	5121	2538	2466
80°	3462	2382	2429
85°	1751	2279	2433



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.9	6.4
10°-20°	1055.1	13.9
20°-30°	1207.8	15.9
30°-40°	1209.9	15.9
40°-50°	1145.3	15.0
50°-60°	878.4	11.5
60°-70°	566.2	7.4
70°-80°	361.1	4.7
80°-90°	239.8	3.1
90°-100°	161.2	2.1
100°-110°	106.2	1.4
110°-120°	73.9	1.0
120°-130°	51.5	0.7
130°-140°	35.8	0.5
140°-150°	21.9	0.3
150°-160°	11.1	0.1
160°-170°	4.3	0.1
170°-180°	0.8	0.0
0°-30°	2748.8	36.1
0°-40°	3958.7	52.0
0°-60°	5982.4	78.6
0°-90°	7149.4	93.9
90°-120°	341.2	4.5
90°-150°	450.4	5.9
90°-180°	467.0	6.1
0°-180°	7616.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6178	6178	6178	6178	6178	
5°	6233	5890	5277	4922	4789	595
15°	6249	4500	3431	2818	2592	1772
25°	6253	3185	1815	1577	1503	2882
35°	5886	1772	1214	1175	1159	3652
45°	4254	1120	1023	1132	1171	3235
55°	1952	800	788	886	921	1795
65°	781	504	496	566	586	803
75°	265	273	344	394	414	292
85°	35	125	242	316	340	48
90°	0	86	203	281	293	2
95°	0	62	168	230	242	0
105°	0	47	109	156	168	3
115°	4	39	82	113	121	4
125°	4	35	70	82	86	3
135°	4	27	55	66	70	3
145°	4	20	39	51	55	2
155°	4	12	23	35	39	2
165°	8	8	16	20	23	2
175°	8	8	8	8	4	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6178.5	6178.5	6178.5	6178.5	6178.5
1°	6229.2	6194.1	6112.1	6135.5	6131.6
2°	6229.2	6155.1	5995.0	5948.2	5877.9
3°	6233.1	6088.7	5815.5	5663.3	5565.7
4°	6233.1	5991.1	5550.1	5296.4	5171.5
5°	6233.1	5889.6	5276.9	4921.7	4789.0
6°	6225.3	5768.7	4999.8	4625.1	4426.0
7°	6237.0	5636.0	4750.0	4348.0	4191.8
8°	6233.1	5479.8	4519.7	4137.2	3965.5
9°	6244.8	5327.6	4269.9	3938.1	3809.3
10°	6233.1	5187.1	4106.0	3750.8	3618.1
11°	6233.1	5050.5	3988.9	3629.8	3516.6
12°	6240.9	4894.4	3860.1	3458.1	3301.9
13°	6260.4	4734.4	3711.8	3270.7	3087.3
14°	6264.3	4613.4	3575.2	3032.6	2841.4
15°	6248.7	4500.2	3430.7	2818.0	2591.6
16°	6240.9	4383.1	3259.0	2615.0	2412.1
17°	6256.5	4246.5	3063.9	2408.2	2220.8
18°	6260.4	4121.6	2857.0	2252.0	2088.1
19°	6260.4	4024.0	2689.2	2107.6	1967.1
20°	6260.4	3930.3	2517.4	1998.3	1877.3
21°	6252.6	3813.2	2322.3	1885.2	1783.7
22.5°	6256.5	3594.7	2099.8	1752.5	1670.5
23°	6244.8	3540.0	2045.2	1717.3	1631.5
24°	6248.7	3383.9	1928.1	1647.1	1565.1
25°	6252.6	3184.9	1814.9	1576.8	1502.7
26°	6244.8	3024.8	1721.2	1510.5	1459.7
27°	6225.3	2896.0	1654.9	1455.8	1409.0
28°	6198.0	2724.3	1584.6	1409.0	1366.1
29°	6170.7	2529.2	1514.4	1358.2	1327.0
30°	6155.1	2373.0	1448.0	1319.2	1291.9
32.5°	6061.4	2064.7	1311.4	1241.2	1217.7
35°	5885.7	1772.0	1213.8	1174.8	1159.2
37.5°	5655.5	1545.6	1139.7	1131.9	1135.8
40°	5276.9	1366.1	1085.0	1120.2	1155.3
42.5°	4824.1	1225.5	1046.0	1131.9	1170.9
45°	4254.3	1120.2	1022.6	1131.9	1170.9
47.5°	3622.0	1034.3	995.3	1092.8	1131.9
50°	2989.7	956.2	940.6	1034.3	1069.4
52.5°	2431.6	882.1	870.4	960.1	995.3
55°	1951.5	800.1	788.4	886.0	921.1
57.5°	1565.1	722.1	710.3	800.1	835.2
60°	1249.0	644.0	624.5	714.3	749.4
62.5°	995.3	569.8	558.1	636.2	667.4
65°	780.6	503.5	495.7	565.9	585.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	616.7	441.0	444.9	503.5	526.9
70°	476.2	382.5	405.9	460.6	476.2
72.5°	359.1	324.0	374.7	421.5	441.0
75°	265.4	273.2	343.5	394.2	413.7
77.5°	183.4	226.4	316.1	370.8	390.3
80°	124.9	183.4	288.8	351.3	374.7
82.5°	74.2	152.2	265.4	331.8	359.1
85°	35.1	124.9	242.0	316.1	339.6
87.5°	11.7	101.5	218.6	300.5	320.0
90°	0.0	85.9	203.0	281.0	292.7
92.5°	0.0	74.2	183.4	257.6	265.4
95°	0.0	62.4	167.8	230.3	242.0
97.5°	0.0	58.5	156.1	206.9	222.5
100°	0.0	54.6	140.5	187.3	203.0
102.5°	0.0	46.8	124.9	167.8	183.4
105°	0.0	46.8	109.3	156.1	167.8
107.5°	3.9	42.9	101.5	140.5	156.1
110°	3.9	42.9	89.8	132.7	144.4
112.5°	3.9	42.9	85.9	121.0	136.6
115°	3.9	39.0	82.0	113.2	121.0
117.5°	3.9	39.0	78.1	101.5	109.3
120°	3.9	35.1	74.2	93.7	97.6
122.5°	3.9	35.1	70.3	85.9	89.8
125°	3.9	35.1	70.3	82.0	85.9
127.5°	3.9	31.2	66.4	78.1	78.1
130°	3.9	31.2	62.4	74.2	74.2
132.5°	3.9	27.3	58.5	70.3	74.2
135°	3.9	27.3	54.6	66.4	70.3
137.5°	3.9	23.4	50.7	62.4	66.4
140°	3.9	23.4	46.8	58.5	62.4
142.5°	3.9	19.5	42.9	54.6	58.5
145°	3.9	19.5	39.0	50.7	54.6
147.5°	3.9	19.5	35.1	46.8	50.7
150°	3.9	15.6	31.2	42.9	46.8
152.5°	3.9	15.6	27.3	39.0	42.9
155°	3.9	11.7	23.4	35.1	39.0
157.5°	3.9	11.7	23.4	31.2	35.1
160°	7.8	11.7	19.5	27.3	31.2
162.5°	3.9	7.8	19.5	23.4	27.3
165°	7.8	7.8	15.6	19.5	23.4
167.5°	7.8	7.8	11.7	15.6	19.5
170°	7.8	7.8	11.7	11.7	15.6
172.5°	7.8	7.8	7.8	11.7	7.8
175°	7.8	7.8	7.8	7.8	3.9
177.5°	7.8	7.8	7.8	7.8	3.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.8	7.8	7.8	7.8	7.8

(END OF REPORT)