

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: P567839

Luminaire Tested: **8SNX-52SL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567839
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-L935-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

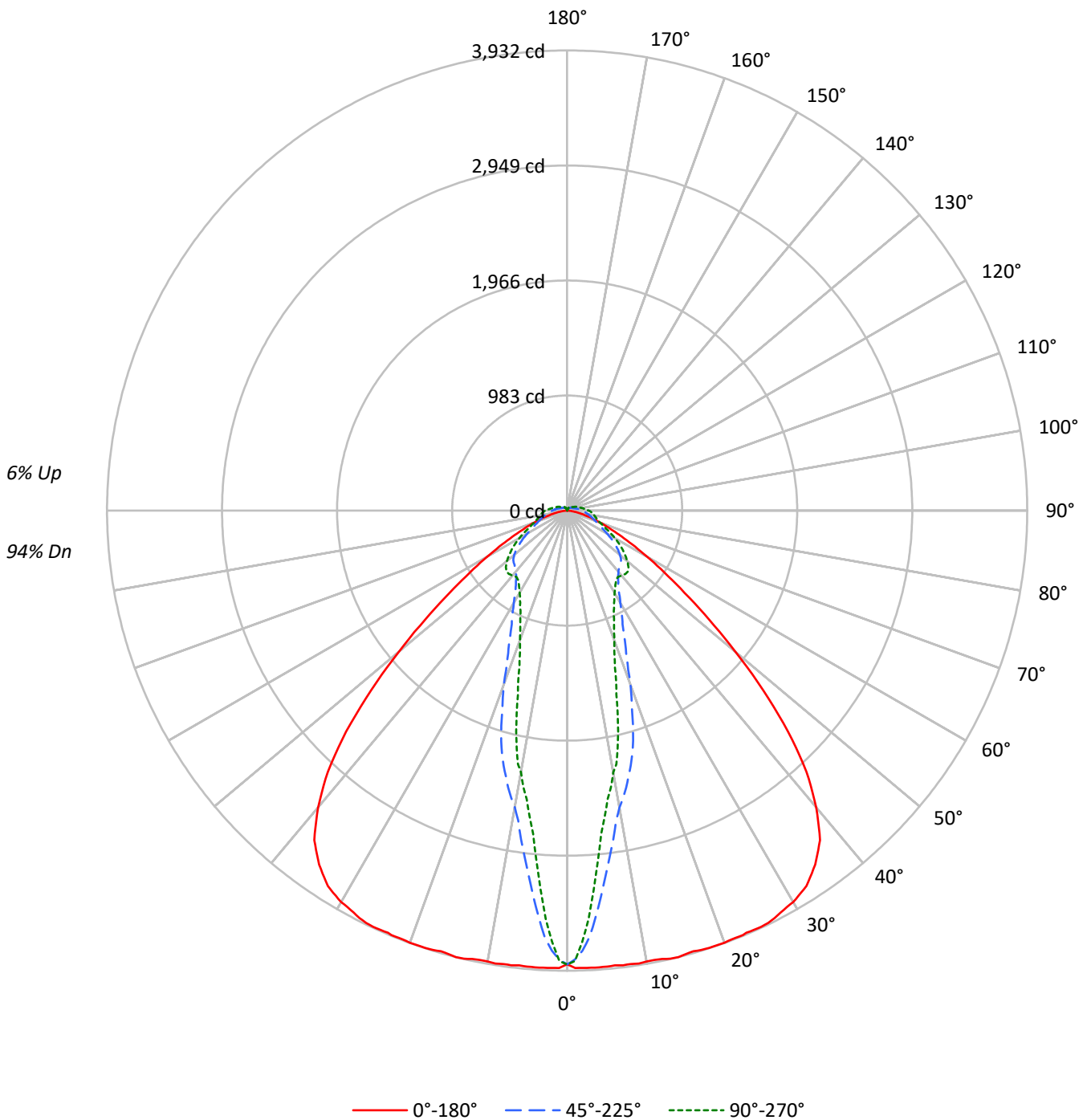
Lumens per Lamp: N/A
Luminaire Lumens: 4779.9 lumens
Efficiency: N/A
Efficacy: 145.7 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

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°	20870	20870	20870
5°	21097	17163	15343
10°	21301	12971	11105
15°	21731	10615	7689
20°	22335	7689	5431
25°	23080	5514	4272
30°	23722	4410	3638
35°	23921	3734	3259
40°	22868	3398	3267
45°	19908	3287	3356
50°	15330	3130	3132
55°	11160	2740	2779
60°	8144	2290	2349
65°	5972	1940	1926
70°	4449	1717	1661
75°	3214	1593	1548
80°	2173	1496	1525
85°	1097	1431	1527



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.0	6.4
10°-20°	662.2	13.9
20°-30°	758.0	15.9
30°-40°	759.4	15.9
40°-50°	718.8	15.0
50°-60°	551.3	11.5
60°-70°	355.4	7.4
70°-80°	226.6	4.7
80°-90°	150.5	3.1
90°-100°	101.1	2.1
100°-110°	66.6	1.4
110°-120°	46.3	1.0
120°-130°	32.3	0.7
130°-140°	22.4	0.5
140°-150°	13.7	0.3
150°-160°	7.0	0.1
160°-170°	2.7	0.1
170°-180°	0.5	0.0
0°-30°	1725.2	36.1
0°-40°	2484.6	52.0
0°-60°	3754.7	78.6
0°-90°	4487.2	93.9
90°-120°	214.1	4.5
90°-150°	282.6	5.9
90°-180°	293.0	6.1
0°-180°	4779.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3878	3878	3878	3878	3878	
5°	3912	3696	3312	3089	3006	374
15°	3922	2824	2153	1769	1627	1112
25°	3924	1999	1139	990	943	1809
35°	3694	1112	762	737	728	2292
45°	2670	703	642	710	735	2030
55°	1225	502	495	556	578	1126
65°	490	316	311	355	367	504
75°	167	172	216	247	260	183
85°	22	78	152	198	213	30
90°	0	54	127	176	184	1
95°	0	39	105	144	152	0
105°	0	29	69	98	105	2
115°	2	24	51	71	76	2
125°	2	22	44	51	54	2
135°	2	17	34	42	44	2
145°	2	12	24	32	34	2
155°	2	7	15	22	24	1
165°	5	5	10	12	15	1
175°	5	5	5	5	2	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3877.8	3877.8	3877.8	3877.8	3877.8
1°	3909.6	3887.6	3836.1	3850.8	3848.4
2°	3909.6	3863.1	3762.6	3733.2	3689.1
3°	3912.1	3821.4	3650.0	3554.4	3493.2
4°	3912.1	3760.2	3483.4	3324.2	3245.8
5°	3912.1	3696.5	3311.9	3089.0	3005.7
6°	3907.2	3620.6	3138.0	2902.8	2777.9
7°	3914.5	3537.3	2981.2	2728.9	2630.9
8°	3912.1	3439.3	2836.7	2596.6	2488.8
9°	3919.4	3343.7	2679.9	2471.7	2390.8
10°	3912.1	3255.6	2577.0	2354.1	2270.8
11°	3912.1	3169.8	2503.5	2278.2	2207.1
12°	3917.0	3071.8	2422.7	2170.4	2072.4
13°	3929.2	2971.4	2329.6	2052.8	1937.7
14°	3931.7	2895.5	2243.9	1903.4	1783.3
15°	3921.9	2824.4	2153.2	1768.6	1626.6
16°	3917.0	2750.9	2045.4	1641.3	1513.9
17°	3926.8	2665.2	1923.0	1511.4	1393.8
18°	3929.2	2586.8	1793.1	1413.4	1310.6
19°	3929.2	2525.6	1687.8	1322.8	1234.6
20°	3929.2	2466.8	1580.0	1254.2	1178.3
21°	3924.3	2393.3	1457.5	1183.2	1119.5
22.5°	3926.8	2256.1	1317.9	1099.9	1048.4
23°	3919.4	2221.8	1283.6	1077.8	1023.9
24°	3921.9	2123.8	1210.1	1033.7	982.3
25°	3924.3	1998.9	1139.1	989.7	943.1
26°	3919.4	1898.5	1080.3	948.0	916.2
27°	3907.2	1817.6	1038.6	913.7	884.3
28°	3890.0	1709.8	994.6	884.3	857.4
29°	3872.9	1587.4	950.5	852.5	832.9
30°	3863.1	1489.4	908.8	828.0	810.8
32.5°	3804.3	1295.9	823.1	779.0	764.3
35°	3694.0	1112.1	761.8	737.3	727.5
37.5°	3549.5	970.1	715.3	710.4	712.8
40°	3311.9	857.4	681.0	703.0	725.1
42.5°	3027.7	769.2	656.5	710.4	734.9
45°	2670.1	703.0	641.8	710.4	734.9
47.5°	2273.3	649.2	624.7	685.9	710.4
50°	1876.4	600.2	590.4	649.2	671.2
52.5°	1526.1	553.6	546.3	602.6	624.7
55°	1224.8	502.2	494.8	556.1	578.1
57.5°	982.3	453.2	445.8	502.2	524.2
60°	783.9	404.2	391.9	448.3	470.3
62.5°	624.7	357.6	350.3	399.3	418.9
65°	489.9	316.0	311.1	355.2	367.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	387.0	276.8	279.3	316.0	330.7
70°	298.9	240.1	254.8	289.1	298.9
72.5°	225.4	203.3	235.2	264.6	276.8
75°	166.6	171.5	215.6	247.4	259.7
77.5°	115.1	142.1	198.4	232.7	245.0
80°	78.4	115.1	181.3	220.5	235.2
82.5°	46.5	95.5	166.6	208.2	225.4
85°	22.0	78.4	151.9	198.4	213.1
87.5°	7.3	63.7	137.2	188.6	200.9
90°	0.0	53.9	127.4	176.4	183.7
92.5°	0.0	46.5	115.1	161.7	166.6
95°	0.0	39.2	105.3	144.5	151.9
97.5°	0.0	36.7	98.0	129.8	139.6
100°	0.0	34.3	88.2	117.6	127.4
102.5°	0.0	29.4	78.4	105.3	115.1
105°	0.0	29.4	68.6	98.0	105.3
107.5°	2.4	26.9	63.7	88.2	98.0
110°	2.4	26.9	56.3	83.3	90.6
112.5°	2.4	26.9	53.9	75.9	85.7
115°	2.4	24.5	51.4	71.0	75.9
117.5°	2.4	24.5	49.0	63.7	68.6
120°	2.4	22.0	46.5	58.8	61.2
122.5°	2.4	22.0	44.1	53.9	56.3
125°	2.4	22.0	44.1	51.4	53.9
127.5°	2.4	19.6	41.6	49.0	49.0
130°	2.4	19.6	39.2	46.5	46.5
132.5°	2.4	17.1	36.7	44.1	46.5
135°	2.4	17.1	34.3	41.6	44.1
137.5°	2.4	14.7	31.8	39.2	41.6
140°	2.4	14.7	29.4	36.7	39.2
142.5°	2.4	12.2	26.9	34.3	36.7
145°	2.4	12.2	24.5	31.8	34.3
147.5°	2.4	12.2	22.0	29.4	31.8
150°	2.4	9.8	19.6	26.9	29.4
152.5°	2.4	9.8	17.1	24.5	26.9
155°	2.4	7.3	14.7	22.0	24.5
157.5°	2.4	7.3	14.7	19.6	22.0
160°	4.9	7.3	12.2	17.1	19.6
162.5°	2.4	4.9	12.2	14.7	17.1
165°	4.9	4.9	9.8	12.2	14.7
167.5°	4.9	4.9	7.3	9.8	12.2
170°	4.9	4.9	7.3	7.3	9.8
172.5°	4.9	4.9	4.9	7.3	4.9
175°	4.9	4.9	4.9	4.9	2.4
177.5°	4.9	4.9	4.9	4.9	2.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.9	4.9	4.9	4.9	4.9

(END OF REPORT)