

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: P567834

Luminaire Tested: **8SNX-52SL-LC-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567834
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-L830-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

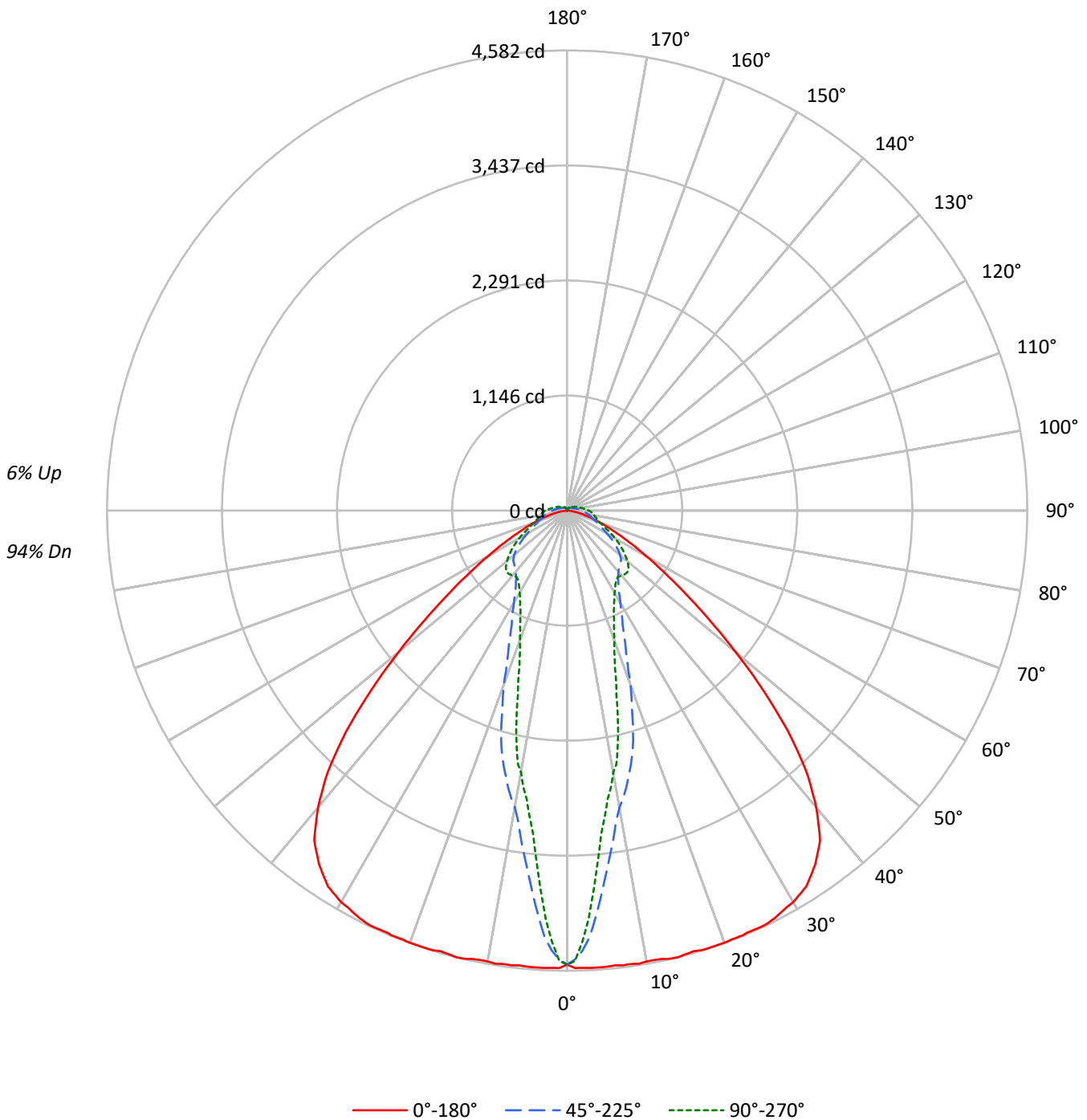
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5571.1 lumens
Efficiency: N/A
Efficacy: 169.9 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°	24324	24324	24324
5°	24587	20003	17883
10°	24826	15118	12942
15°	25327	12371	8962
20°	26030	8961	6330
25°	26899	6427	4979
30°	27647	5140	4241
35°	27880	4352	3798
40°	26653	3961	3807
45°	23203	3831	3911
50°	17867	3648	3650
55°	13007	3194	3239
60°	9491	2669	2739
65°	6961	2261	2245
70°	5184	2000	1936
75°	3745	1856	1804
80°	2533	1743	1777
85°	1282	1667	1779



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.4	6.4
10°-20°	771.8	13.9
20°-30°	883.5	15.9
30°-40°	885.0	15.9
40°-50°	837.8	15.0
50°-60°	642.5	11.5
60°-70°	414.2	7.4
70°-80°	264.1	4.7
80°-90°	175.4	3.1
90°-100°	117.9	2.1
100°-110°	77.7	1.4
110°-120°	54.0	1.0
120°-130°	37.7	0.7
130°-140°	26.2	0.5
140°-150°	16.0	0.3
150°-160°	8.1	0.1
160°-170°	3.1	0.1
170°-180°	0.6	0.0
0°-30°	2010.7	36.1
0°-40°	2895.7	52.0
0°-60°	4376.1	78.5
0°-90°	5229.7	93.9
90°-120°	249.6	4.5
90°-150°	329.5	5.9
90°-180°	341.0	6.1
0°-180°	5571.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4520	4520	4520	4520	4520	
5°	4559	4308	3860	3600	3503	435
15°	4571	3292	2510	2061	1896	1296
25°	4574	2330	1328	1153	1099	2108
35°	4305	1296	888	859	848	2671
45°	3112	819	748	828	856	2366
55°	1428	585	577	648	674	1313
65°	571	368	363	414	428	587
75°	194	200	251	288	303	213
85°	26	91	177	231	248	35
90°	0	63	148	206	214	1
95°	0	46	123	168	177	0
105°	0	34	80	114	123	2
115°	3	29	60	83	88	3
125°	3	26	51	60	63	3
135°	3	20	40	48	51	2
145°	3	14	29	37	40	2
155°	3	9	17	26	29	1
165°	6	6	11	14	17	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°	4519.5	4519.5	4519.5	4519.5	4519.5
1°	4556.6	4530.9	4470.9	4488.1	4485.2
2°	4556.6	4502.3	4385.3	4351.0	4299.6
3°	4559.4	4453.8	4254.0	4142.6	4071.2
4°	4559.4	4382.4	4059.8	3874.2	3782.9
5°	4559.4	4308.2	3860.0	3600.2	3503.1
6°	4553.7	4219.7	3657.3	3383.2	3237.6
7°	4562.3	4122.6	3474.5	3180.5	3066.3
8°	4559.4	4008.4	3306.1	3026.3	2900.7
9°	4568.0	3897.1	3123.4	2880.7	2786.5
10°	4559.4	3794.3	3003.5	2743.7	2646.6
11°	4559.4	3694.4	2917.8	2655.2	2572.4
12°	4565.1	3580.2	2823.6	2529.5	2415.3
13°	4579.4	3463.1	2715.1	2392.5	2258.3
14°	4582.3	3374.6	2615.2	2218.3	2078.4
15°	4570.9	3291.8	2509.5	2061.3	1895.7
16°	4565.1	3206.2	2383.9	1912.9	1764.4
17°	4576.6	3106.2	2241.2	1761.5	1624.5
18°	4579.4	3014.9	2089.9	1647.3	1527.4
19°	4579.4	2943.5	1967.1	1541.7	1438.9
20°	4579.4	2875.0	1841.5	1461.8	1373.3
21°	4573.7	2789.3	1698.7	1379.0	1304.7
22.5°	4576.6	2629.5	1536.0	1281.9	1221.9
23°	4568.0	2589.5	1496.0	1256.2	1193.4
24°	4570.9	2475.3	1410.4	1204.8	1144.9
25°	4573.7	2329.7	1327.6	1153.4	1099.2
26°	4568.0	2212.6	1259.1	1104.9	1067.8
27°	4553.7	2118.4	1210.5	1064.9	1030.7
28°	4533.7	1992.8	1159.1	1030.7	999.3
29°	4513.8	1850.0	1107.7	993.5	970.7
30°	4502.3	1735.8	1059.2	965.0	945.0
32.5°	4433.8	1510.3	959.3	907.9	890.8
35°	4305.3	1296.2	887.9	859.4	847.9
37.5°	4136.9	1130.6	833.7	828.0	830.8
40°	3860.0	999.3	793.7	819.4	845.1
42.5°	3528.8	896.5	765.1	828.0	856.5
45°	3112.0	819.4	748.0	828.0	856.5
47.5°	2649.4	756.6	728.0	799.4	828.0
50°	2186.9	699.5	688.1	756.6	782.3
52.5°	1778.7	645.2	636.7	702.3	728.0
55°	1427.5	585.3	576.7	648.1	673.8
57.5°	1144.9	528.2	519.6	585.3	611.0
60°	913.6	471.1	456.8	522.5	548.2
62.5°	728.0	416.8	408.3	465.4	488.2
65°	571.0	368.3	362.6	414.0	428.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	451.1	322.6	325.5	368.3	385.4
70°	348.3	279.8	296.9	336.9	348.3
72.5°	262.7	237.0	274.1	308.3	322.6
75°	194.1	199.9	251.2	288.4	302.6
77.5°	134.2	165.6	231.3	271.2	285.5
80°	91.4	134.2	211.3	257.0	274.1
82.5°	54.2	111.3	194.1	242.7	262.7
85°	25.7	91.4	177.0	231.3	248.4
87.5°	8.6	74.2	159.9	219.8	234.1
90°	0.0	62.8	148.5	205.6	214.1
92.5°	0.0	54.2	134.2	188.4	194.1
95°	0.0	45.7	122.8	168.4	177.0
97.5°	0.0	42.8	114.2	151.3	162.7
100°	0.0	40.0	102.8	137.0	148.5
102.5°	0.0	34.3	91.4	122.8	134.2
105°	0.0	34.3	79.9	114.2	122.8
107.5°	2.9	31.4	74.2	102.8	114.2
110°	2.9	31.4	65.7	97.1	105.6
112.5°	2.9	31.4	62.8	88.5	99.9
115°	2.9	28.6	60.0	82.8	88.5
117.5°	2.9	28.6	57.1	74.2	79.9
120°	2.9	25.7	54.2	68.5	71.4
122.5°	2.9	25.7	51.4	62.8	65.7
125°	2.9	25.7	51.4	60.0	62.8
127.5°	2.9	22.8	48.5	57.1	57.1
130°	2.9	22.8	45.7	54.2	54.2
132.5°	2.9	20.0	42.8	51.4	54.2
135°	2.9	20.0	40.0	48.5	51.4
137.5°	2.9	17.1	37.1	45.7	48.5
140°	2.9	17.1	34.3	42.8	45.7
142.5°	2.9	14.3	31.4	40.0	42.8
145°	2.9	14.3	28.6	37.1	40.0
147.5°	2.9	14.3	25.7	34.3	37.1
150°	2.9	11.4	22.8	31.4	34.3
152.5°	2.9	11.4	20.0	28.6	31.4
155°	2.9	8.6	17.1	25.7	28.6
157.5°	2.9	8.6	17.1	22.8	25.7
160°	5.7	8.6	14.3	20.0	22.8
162.5°	2.9	5.7	14.3	17.1	20.0
165°	5.7	5.7	11.4	14.3	17.1
167.5°	5.7	5.7	8.6	11.4	14.3
170°	5.7	5.7	8.6	8.6	11.4
172.5°	5.7	5.7	5.7	8.6	5.7
175°	5.7	5.7	5.7	5.7	2.9
177.5°	5.7	5.7	5.7	5.7	2.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.7	5.7	5.7	5.7	5.7

(END OF REPORT)