

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: P567930

Luminaire Tested: **8SNX-66SL-LC-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567930
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-66SL-LC-UNV-L830-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

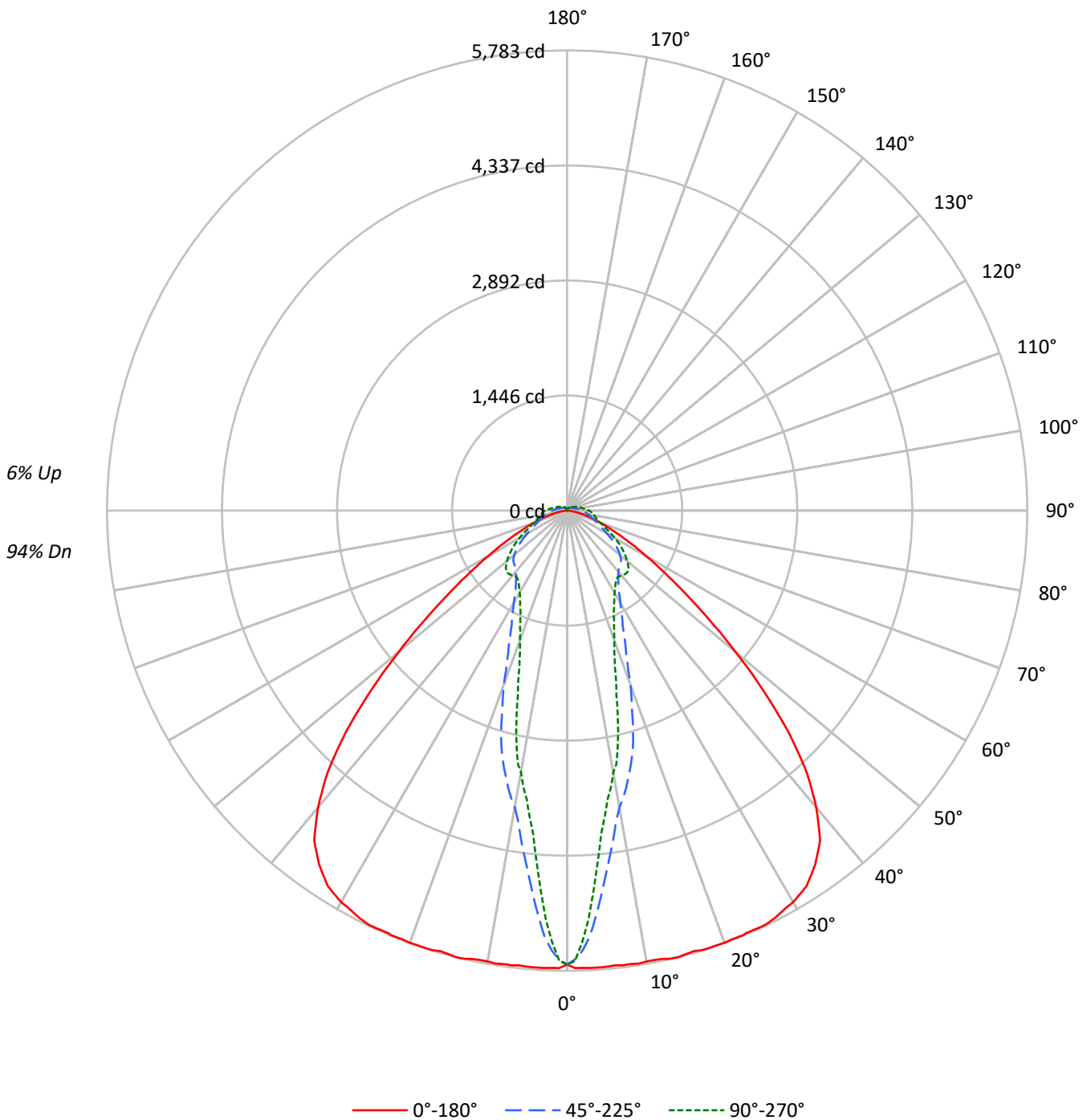
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7031.0 lumens
Efficiency: N/A
Efficacy: 166.6 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): 42.2
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°	30698	30698	30698
5°	31031	25245	22569
10°	31332	19080	16334
15°	31964	15613	11310
20°	32853	11310	7988
25°	33948	8111	6284
30°	34893	6487	5352
35°	35186	5493	4794
40°	33637	4999	4805
45°	29283	4835	4937
50°	22550	4604	4607
55°	16416	4031	4088
60°	11979	3369	3456
65°	8784	2853	2833
70°	6543	2524	2443
75°	4727	2343	2277
80°	3196	2199	2242
85°	1616	2104	2246



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	448.6	6.4
10°-20°	974.1	13.9
20°-30°	1115.0	15.9
30°-40°	1117.0	15.9
40°-50°	1057.4	15.0
50°-60°	810.9	11.5
60°-70°	522.7	7.4
70°-80°	333.3	4.7
80°-90°	221.3	3.1
90°-100°	148.8	2.1
100°-110°	98.0	1.4
110°-120°	68.2	1.0
120°-130°	47.6	0.7
130°-140°	33.0	0.5
140°-150°	20.2	0.3
150°-160°	10.2	0.1
160°-170°	3.9	0.1
170°-180°	0.8	0.0
0°-30°	2537.6	36.1
0°-40°	3654.6	52.0
0°-60°	5522.9	78.6
0°-90°	6600.2	93.9
90°-120°	315.0	4.5
90°-150°	415.8	5.9
90°-180°	431.0	6.1
0°-180°	7031.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5704	5704	5704	5704	5704	
5°	5754	5437	4872	4544	4421	549
15°	5769	4154	3167	2602	2392	1636
25°	5772	2940	1676	1456	1387	2661
35°	5434	1636	1121	1085	1070	3371
45°	3928	1034	944	1045	1081	2986
55°	1802	739	728	818	850	1657
65°	721	465	458	522	540	741
75°	245	252	317	364	382	269
85°	32	115	223	292	314	45
90°	0	79	187	259	270	1
95°	0	58	155	213	223	0
105°	0	43	101	144	155	2
115°	4	36	76	104	112	4
125°	4	32	65	76	79	3
135°	4	25	50	61	65	3
145°	4	18	36	47	50	2
155°	4	11	22	32	36	2
165°	7	7	14	18	22	2
175°	7	7	7	7	4	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5703.9	5703.9	5703.9	5703.9	5703.9
1°	5750.7	5718.3	5642.6	5664.3	5660.6
2°	5750.7	5682.3	5534.5	5491.3	5426.4
3°	5754.3	5621.0	5368.8	5228.3	5138.2
4°	5754.3	5530.9	5123.8	4889.6	4774.3
5°	5754.3	5437.3	4871.5	4543.7	4421.1
6°	5747.1	5325.6	4615.7	4269.8	4086.0
7°	5757.9	5203.0	4385.1	4014.0	3869.9
8°	5754.3	5058.9	4172.5	3819.4	3660.9
9°	5765.1	4918.4	3941.9	3635.6	3516.7
10°	5754.3	4788.7	3790.6	3462.7	3340.2
11°	5754.3	4662.6	3682.5	3351.0	3246.5
12°	5761.5	4518.4	3563.6	3192.4	3048.3
13°	5779.6	4370.7	3426.7	3019.5	2850.1
14°	5783.2	4259.0	3300.5	2799.7	2623.1
15°	5768.7	4154.5	3167.2	2601.5	2392.5
16°	5761.5	4046.4	3008.7	2414.2	2226.8
17°	5776.0	3920.3	2828.5	2223.2	2050.2
18°	5779.6	3805.0	2637.6	2079.1	1927.7
19°	5779.6	3714.9	2482.6	1945.7	1816.0
20°	5779.6	3628.4	2324.1	1844.8	1733.1
21°	5772.3	3520.3	2143.9	1740.4	1646.7
22.5°	5776.0	3318.6	1938.5	1617.8	1542.2
23°	5765.1	3268.1	1888.1	1585.4	1506.1
24°	5768.7	3124.0	1780.0	1520.6	1444.9
25°	5772.3	2940.2	1675.5	1455.7	1387.2
26°	5765.1	2792.5	1589.0	1394.4	1347.6
27°	5747.1	2673.6	1527.8	1344.0	1300.8
28°	5721.9	2515.0	1462.9	1300.8	1261.1
29°	5696.7	2334.9	1398.0	1253.9	1225.1
30°	5682.3	2190.8	1336.8	1217.9	1192.7
32.5°	5595.8	1906.1	1210.7	1145.8	1124.2
35°	5433.6	1635.9	1120.6	1084.6	1070.2
37.5°	5221.1	1426.9	1052.1	1044.9	1048.5
40°	4871.5	1261.1	1001.7	1034.1	1066.6
42.5°	4453.6	1131.4	965.7	1044.9	1081.0
45°	3927.5	1034.1	944.0	1044.9	1081.0
47.5°	3343.8	954.9	918.8	1008.9	1044.9
50°	2760.1	882.8	868.4	954.9	987.3
52.5°	2244.8	814.3	803.5	886.4	918.8
55°	1801.6	738.7	727.8	817.9	850.4
57.5°	1444.9	666.6	655.8	738.7	771.1
60°	1153.0	594.5	576.5	659.4	691.8
62.5°	918.8	526.1	515.3	587.3	616.1
65°	720.6	464.8	457.6	522.5	540.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	569.3	407.2	410.8	464.8	486.4
70°	439.6	353.1	374.7	425.2	439.6
72.5°	331.5	299.1	345.9	389.1	407.2
75°	245.0	252.2	317.1	363.9	381.9
77.5°	169.4	209.0	291.9	342.3	360.3
80°	115.3	169.4	266.6	324.3	345.9
82.5°	68.5	140.5	245.0	306.3	331.5
85°	32.4	115.3	223.4	291.9	313.5
87.5°	10.8	93.7	201.8	277.4	295.5
90°	0.0	79.3	187.4	259.4	270.2
92.5°	0.0	68.5	169.4	237.8	245.0
95°	0.0	57.7	154.9	212.6	223.4
97.5°	0.0	54.0	144.1	191.0	205.4
100°	0.0	50.4	129.7	173.0	187.4
102.5°	0.0	43.2	115.3	154.9	169.4
105°	0.0	43.2	100.9	144.1	154.9
107.5°	3.6	39.6	93.7	129.7	144.1
110°	3.6	39.6	82.9	122.5	133.3
112.5°	3.6	39.6	79.3	111.7	126.1
115°	3.6	36.0	75.7	104.5	111.7
117.5°	3.6	36.0	72.1	93.7	100.9
120°	3.6	32.4	68.5	86.5	90.1
122.5°	3.6	32.4	64.9	79.3	82.9
125°	3.6	32.4	64.9	75.7	79.3
127.5°	3.6	28.8	61.3	72.1	72.1
130°	3.6	28.8	57.7	68.5	68.5
132.5°	3.6	25.2	54.0	64.9	68.5
135°	3.6	25.2	50.4	61.3	64.9
137.5°	3.6	21.6	46.8	57.7	61.3
140°	3.6	21.6	43.2	54.0	57.7
142.5°	3.6	18.0	39.6	50.4	54.0
145°	3.6	18.0	36.0	46.8	50.4
147.5°	3.6	18.0	32.4	43.2	46.8
150°	3.6	14.4	28.8	39.6	43.2
152.5°	3.6	14.4	25.2	36.0	39.6
155°	3.6	10.8	21.6	32.4	36.0
157.5°	3.6	10.8	21.6	28.8	32.4
160°	7.2	10.8	18.0	25.2	28.8
162.5°	3.6	7.2	18.0	21.6	25.2
165°	7.2	7.2	14.4	18.0	21.6
167.5°	7.2	7.2	10.8	14.4	18.0
170°	7.2	7.2	10.8	10.8	14.4
172.5°	7.2	7.2	7.2	10.8	7.2
175°	7.2	7.2	7.2	7.2	3.6
177.5°	7.2	7.2	7.2	7.2	3.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.2	7.2	7.2	7.2	7.2

(END OF REPORT)