

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: P567931

Luminaire Tested: **8SNX-66SL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567931
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-L835-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

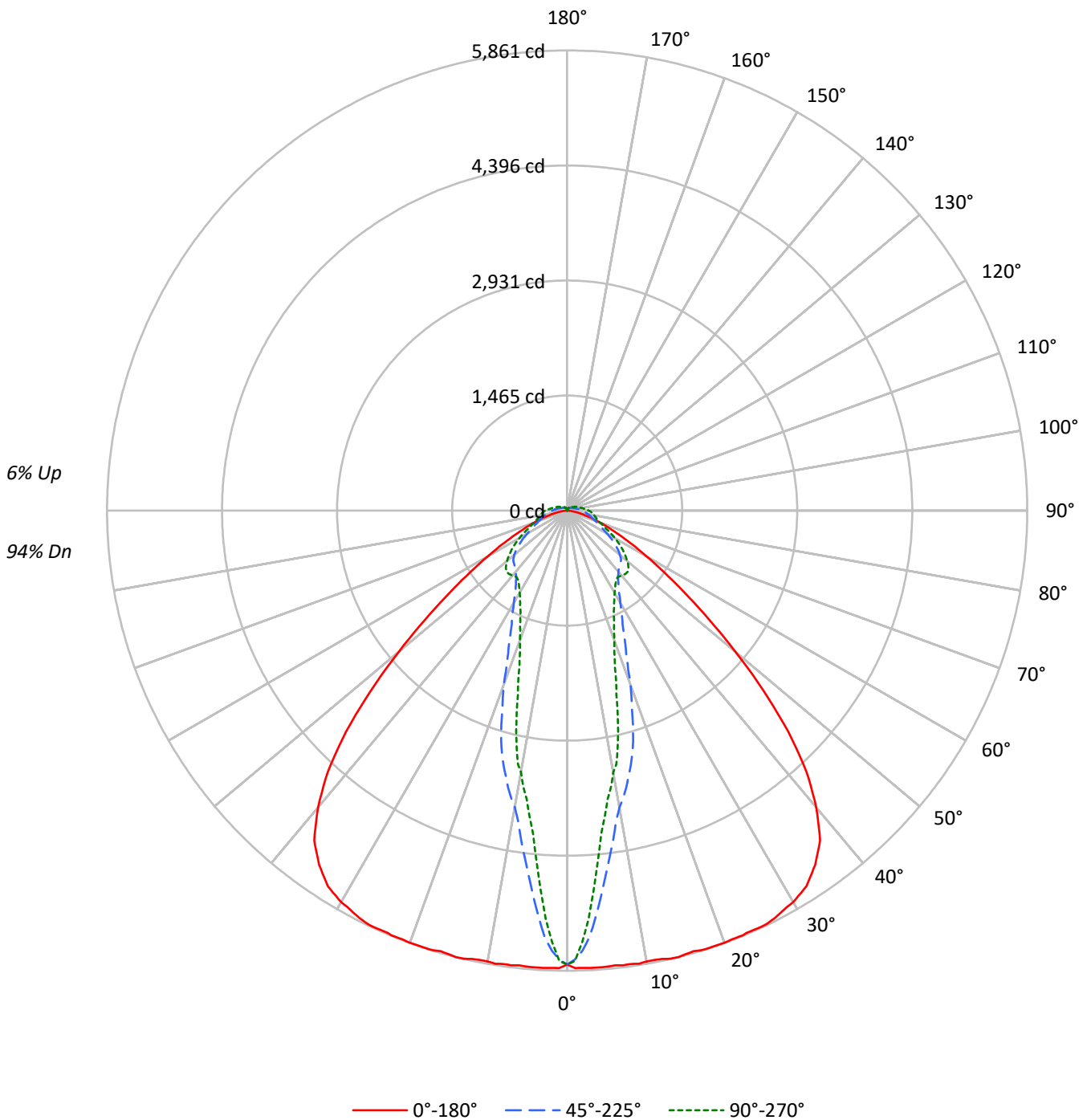
Lumens per Lamp: N/A
Luminaire Lumens: 7126.0 lumens
Efficiency: N/A
Efficacy: 168.9 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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°	31113	31113	31113
5°	31451	25586	22874
10°	31756	19338	16555
15°	32396	15824	11463
20°	33296	11463	8096
25°	34407	8220	6369
30°	35364	6575	5424
35°	35662	5567	4858
40°	34092	5066	4870
45°	29679	4900	5003
50°	22855	4666	4669
55°	16638	4085	4142
60°	12141	3414	3503
65°	8904	2892	2871
70°	6631	2559	2476
75°	4791	2375	2308
80°	3240	2229	2273
85°	1641	2132	2276



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.6	6.4
10°-20°	987.2	13.9
20°-30°	1130.0	15.9
30°-40°	1132.1	15.9
40°-50°	1071.7	15.0
50°-60°	821.9	11.5
60°-70°	529.8	7.4
70°-80°	337.8	4.7
80°-90°	224.3	3.1
90°-100°	150.8	2.1
100°-110°	99.4	1.4
110°-120°	69.1	1.0
120°-130°	48.2	0.7
130°-140°	33.5	0.5
140°-150°	20.5	0.3
150°-160°	10.4	0.1
160°-170°	4.0	0.1
170°-180°	0.8	0.0
0°-30°	2571.9	36.1
0°-40°	3704.0	52.0
0°-60°	5597.5	78.5
0°-90°	6689.4	93.9
90°-120°	319.3	4.5
90°-150°	421.5	5.9
90°-180°	437.0	6.1
0°-180°	7126.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5781	5781	5781	5781	5781	
5°	5832	5511	4937	4605	4481	557
15°	5847	4211	3210	2637	2425	1658
25°	5850	2980	1698	1475	1406	2697
35°	5507	1658	1136	1099	1085	3417
45°	3981	1048	957	1059	1096	3026
55°	1826	749	738	829	862	1679
65°	730	471	464	530	548	751
75°	248	256	321	369	387	273
85°	33	117	226	296	318	45
90°	0	80	190	263	274	2
95°	0	58	157	216	226	0
105°	0	44	102	146	157	2
115°	4	36	77	106	113	4
125°	4	33	66	77	80	3
135°	4	26	51	62	66	3
145°	4	18	36	48	51	2
155°	4	11	22	33	36	2
165°	7	7	15	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°	5781.0	5781.0	5781.0	5781.0	5781.0
1°	5828.4	5795.6	5718.9	5740.8	5737.1
2°	5828.4	5759.0	5609.3	5565.5	5499.8
3°	5832.1	5697.0	5441.3	5298.9	5207.6
4°	5832.1	5605.7	5193.0	4955.6	4838.8
5°	5832.1	5510.7	4937.4	4605.0	4480.9
6°	5824.8	5397.5	4678.1	4327.5	4141.3
7°	5835.7	5273.3	4444.4	4068.2	3922.1
8°	5832.1	5127.3	4228.9	3871.0	3710.3
9°	5843.0	4984.8	3995.2	3684.8	3564.3
10°	5832.1	4853.4	3841.8	3509.5	3385.3
11°	5832.1	4725.6	3732.2	3396.3	3290.4
12°	5839.4	4579.5	3611.7	3235.6	3089.5
13°	5857.6	4429.8	3473.0	3060.3	2888.7
14°	5861.3	4316.5	3345.1	2837.5	2658.6
15°	5846.7	4210.6	3210.0	2636.7	2424.9
16°	5839.4	4101.1	3049.3	2446.8	2256.9
17°	5854.0	3973.3	2866.7	2253.2	2077.9
18°	5857.6	3856.4	2673.2	2107.1	1953.8
19°	5857.6	3765.1	2516.2	1972.0	1840.6
20°	5857.6	3677.5	2355.5	1869.8	1756.6
21°	5850.3	3567.9	2172.9	1763.9	1668.9
22.5°	5854.0	3363.4	1964.7	1639.7	1563.0
23°	5843.0	3312.3	1913.6	1606.8	1526.5
24°	5846.7	3166.2	1804.0	1541.1	1464.4
25°	5850.3	2980.0	1698.1	1475.4	1406.0
26°	5843.0	2830.2	1610.5	1413.3	1365.8
27°	5824.8	2709.7	1548.4	1362.2	1318.3
28°	5799.2	2549.0	1482.7	1318.3	1278.2
29°	5773.7	2366.4	1416.9	1270.9	1241.6
30°	5759.0	2220.4	1354.9	1234.3	1208.8
32.5°	5671.4	1931.9	1227.0	1161.3	1139.4
35°	5507.1	1658.0	1135.7	1099.2	1084.6
37.5°	5291.6	1446.2	1066.4	1059.1	1062.7
40°	4937.4	1278.2	1015.2	1048.1	1081.0
42.5°	4513.7	1146.7	978.7	1059.1	1095.6
45°	3980.6	1048.1	956.8	1059.1	1095.6
47.5°	3389.0	967.8	931.2	1022.5	1059.1
50°	2797.4	894.7	880.1	967.8	1000.6
52.5°	2275.1	825.3	814.4	898.4	931.2
55°	1825.9	748.6	737.7	829.0	861.8
57.5°	1464.4	675.6	664.6	748.6	781.5
60°	1168.6	602.6	584.3	668.3	701.2
62.5°	931.2	533.2	522.2	595.3	624.5
65°	730.4	471.1	463.8	529.5	547.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	577.0	412.7	416.3	471.1	493.0
70°	445.5	357.9	379.8	430.9	445.5
72.5°	336.0	303.1	350.6	394.4	412.7
75°	248.3	255.6	321.4	368.8	387.1
77.5°	171.6	211.8	295.8	346.9	365.2
80°	116.9	171.6	270.2	328.7	350.6
82.5°	69.4	142.4	248.3	310.4	336.0
85°	32.9	116.9	226.4	295.8	317.7
87.5°	11.0	94.9	204.5	281.2	299.5
90°	0.0	80.3	189.9	262.9	273.9
92.5°	0.0	69.4	171.6	241.0	248.3
95°	0.0	58.4	157.0	215.5	226.4
97.5°	0.0	54.8	146.1	193.6	208.2
100°	0.0	51.1	131.5	175.3	189.9
102.5°	0.0	43.8	116.9	157.0	171.6
105°	0.0	43.8	102.3	146.1	157.0
107.5°	3.7	40.2	94.9	131.5	146.1
110°	3.7	40.2	84.0	124.2	135.1
112.5°	3.7	40.2	80.3	113.2	127.8
115°	3.7	36.5	76.7	105.9	113.2
117.5°	3.7	36.5	73.0	94.9	102.3
120°	3.7	32.9	69.4	87.6	91.3
122.5°	3.7	32.9	65.7	80.3	84.0
125°	3.7	32.9	65.7	76.7	80.3
127.5°	3.7	29.2	62.1	73.0	73.0
130°	3.7	29.2	58.4	69.4	69.4
132.5°	3.7	25.6	54.8	65.7	69.4
135°	3.7	25.6	51.1	62.1	65.7
137.5°	3.7	21.9	47.5	58.4	62.1
140°	3.7	21.9	43.8	54.8	58.4
142.5°	3.7	18.3	40.2	51.1	54.8
145°	3.7	18.3	36.5	47.5	51.1
147.5°	3.7	18.3	32.9	43.8	47.5
150°	3.7	14.6	29.2	40.2	43.8
152.5°	3.7	14.6	25.6	36.5	40.2
155°	3.7	11.0	21.9	32.9	36.5
157.5°	3.7	11.0	21.9	29.2	32.9
160°	7.3	11.0	18.3	25.6	29.2
162.5°	3.7	7.3	18.3	21.9	25.6
165°	7.3	7.3	14.6	18.3	21.9
167.5°	7.3	7.3	11.0	14.6	18.3
170°	7.3	7.3	11.0	11.0	14.6
172.5°	7.3	7.3	7.3	11.0	7.3
175°	7.3	7.3	7.3	7.3	3.7
177.5°	7.3	7.3	7.3	7.3	3.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.3	7.3	7.3	7.3	7.3

(END OF REPORT)