

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: P566671

Luminaire Tested: **4SNX-63SL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566671
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: 4SNX-63SL-LC-UNV-L835-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

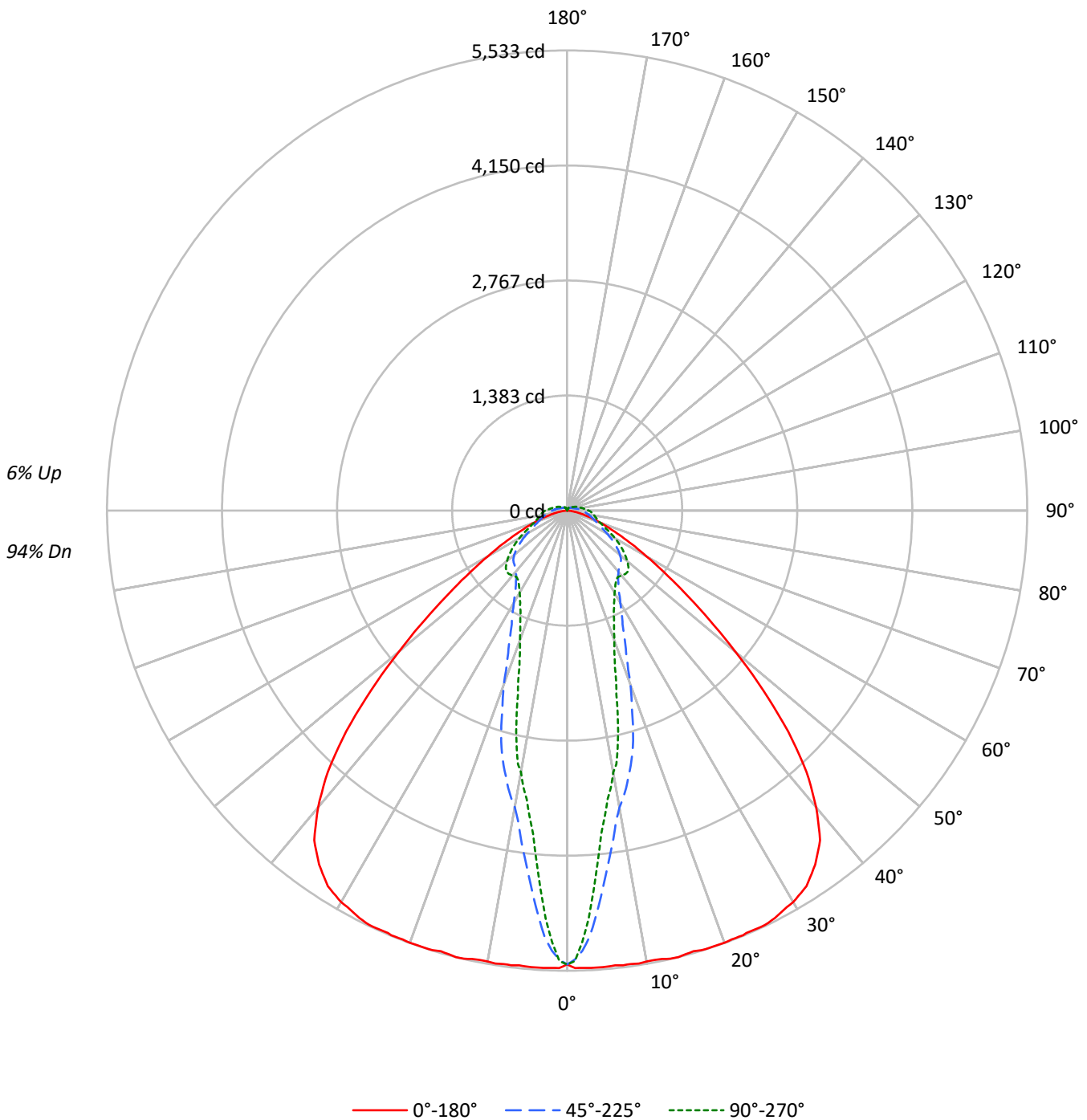
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6726.9 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 44.4
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°	58742	58742	58742
5°	59271	48247	43186
10°	59736	36423	31256
15°	60826	29773	21643
20°	62395	21543	15285
25°	64342	15435	12025
30°	65985	12331	10241
35°	66376	10430	9173
40°	63279	9482	9194
45°	54913	9161	9446
50°	42128	8712	8815
55°	30531	7619	7821
60°	22151	6358	6613
65°	16121	5376	5421
70°	11877	4748	4675
75°	8436	4398	4357
80°	5530	4117	4292
85°	2593	3924	4297



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.2	6.4
10°-20°	932.0	13.9
20°-30°	1066.8	15.9
30°-40°	1068.7	15.9
40°-50°	1011.6	15.0
50°-60°	775.8	11.5
60°-70°	500.1	7.4
70°-80°	318.9	4.7
80°-90°	211.8	3.1
90°-100°	142.3	2.1
100°-110°	93.8	1.4
110°-120°	65.2	1.0
120°-130°	45.5	0.7
130°-140°	31.6	0.5
140°-150°	19.3	0.3
150°-160°	9.8	0.1
160°-170°	3.8	0.1
170°-180°	0.7	0.0
0°-30°	2427.9	36.1
0°-40°	3496.6	52.0
0°-60°	5284.1	78.6
0°-90°	6314.8	93.9
90°-120°	301.4	4.5
90°-150°	397.8	5.9
90°-180°	412.0	6.1
0°-180°	6726.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5457	5457	5457	5457	5457	
5°	5506	5202	4661	4347	4230	526
15°	5519	3975	3030	2489	2289	1566
25°	5523	2813	1603	1393	1327	2546
35°	5199	1565	1072	1038	1024	3225
45°	3758	989	903	1000	1034	2857
55°	1724	707	696	783	814	1585
65°	690	445	438	500	517	709
75°	234	241	303	348	365	258
85°	31	110	214	279	300	43
90°	0	76	179	248	259	1
95°	0	55	148	203	214	0
105°	0	41	96	138	148	2
115°	3	34	72	100	107	3
125°	3	31	62	72	76	3
135°	3	24	48	59	62	3
145°	3	17	34	45	48	2
155°	3	10	21	31	34	2
165°	7	7	14	17	21	2
175°	7	7	7	7	3	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5457.3	5457.3	5457.3	5457.3	5457.3
1°	5502.1	5471.1	5398.7	5419.3	5415.9
2°	5502.1	5436.6	5295.2	5253.9	5191.8
3°	5505.5	5378.0	5136.7	5002.2	4916.0
4°	5505.5	5291.8	4902.2	4678.2	4567.8
5°	5505.5	5202.2	4660.9	4347.2	4230.0
6°	5498.6	5095.3	4416.1	4085.2	3909.4
7°	5509.0	4978.1	4195.5	3840.4	3702.5
8°	5505.5	4840.2	3992.1	3654.3	3502.6
9°	5515.9	4705.7	3771.5	3478.4	3364.7
10°	5505.5	4581.6	3626.7	3313.0	3195.8
11°	5505.5	4461.0	3523.3	3206.1	3106.1
12°	5512.4	4323.1	3409.5	3054.4	2916.5
13°	5529.7	4181.7	3278.5	2888.9	2726.9
14°	5533.1	4074.9	3157.8	2678.6	2509.7
15°	5519.3	3974.9	3030.3	2489.0	2289.1
16°	5512.4	3871.5	2878.6	2309.8	2130.5
17°	5526.2	3750.8	2706.2	2127.1	1961.6
18°	5529.7	3640.5	2523.5	1989.2	1844.4
19°	5529.7	3554.3	2375.3	1861.6	1737.5
20°	5529.7	3471.6	2223.6	1765.1	1658.2
21°	5522.8	3368.1	2051.2	1665.1	1575.5
22.5°	5526.2	3175.1	1854.7	1547.9	1475.5
23°	5515.9	3126.8	1806.4	1516.9	1441.0
24°	5519.3	2988.9	1703.0	1454.8	1382.4
25°	5522.8	2813.1	1603.1	1392.8	1327.3
26°	5515.9	2671.8	1520.3	1334.2	1289.3
27°	5498.6	2558.0	1461.7	1285.9	1244.5
28°	5474.5	2406.3	1399.7	1244.5	1206.6
29°	5450.4	2233.9	1337.6	1199.7	1172.1
30°	5436.6	2096.0	1279.0	1165.2	1141.1
32.5°	5353.8	1823.7	1158.3	1096.3	1075.6
35°	5198.7	1565.1	1072.1	1037.7	1023.9
37.5°	4995.3	1365.2	1006.6	999.8	1003.2
40°	4660.9	1206.6	958.4	989.4	1020.4
42.5°	4261.0	1082.5	923.9	999.8	1034.2
45°	3757.7	989.4	903.2	999.8	1034.2
47.5°	3199.2	913.6	879.1	965.3	999.8
50°	2640.7	844.6	830.8	913.6	944.6
52.5°	2147.7	779.1	768.8	848.1	879.1
55°	1723.7	706.7	696.4	782.6	813.6
57.5°	1382.4	637.8	627.4	706.7	737.7
60°	1103.2	568.8	551.6	630.9	661.9
62.5°	879.1	503.3	493.0	561.9	589.5
65°	689.5	444.7	437.8	499.9	517.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	544.7	389.6	393.0	444.7	465.4
70°	420.6	337.8	358.5	406.8	420.6
72.5°	317.2	286.1	331.0	372.3	389.6
75°	234.4	241.3	303.4	348.2	365.4
77.5°	162.0	200.0	279.2	327.5	344.7
80°	110.3	162.0	255.1	310.3	331.0
82.5°	65.5	134.4	234.4	293.0	317.2
85°	31.0	110.3	213.7	279.2	299.9
87.5°	10.3	89.6	193.1	265.5	282.7
90°	0.0	75.8	179.3	248.2	258.6
92.5°	0.0	65.5	162.0	227.5	234.4
95°	0.0	55.2	148.2	203.4	213.7
97.5°	0.0	51.7	137.9	182.7	196.5
100°	0.0	48.3	124.1	165.5	179.3
102.5°	0.0	41.4	110.3	148.2	162.0
105°	0.0	41.4	96.5	137.9	148.2
107.5°	3.4	37.9	89.6	124.1	137.9
110°	3.4	37.9	79.3	117.2	127.6
112.5°	3.4	37.9	75.8	106.9	120.7
115°	3.4	34.5	72.4	100.0	106.9
117.5°	3.4	34.5	68.9	89.6	96.5
120°	3.4	31.0	65.5	82.7	86.2
122.5°	3.4	31.0	62.1	75.8	79.3
125°	3.4	31.0	62.1	72.4	75.8
127.5°	3.4	27.6	58.6	68.9	68.9
130°	3.4	27.6	55.2	65.5	65.5
132.5°	3.4	24.1	51.7	62.1	65.5
135°	3.4	24.1	48.3	58.6	62.1
137.5°	3.4	20.7	44.8	55.2	58.6
140°	3.4	20.7	41.4	51.7	55.2
142.5°	3.4	17.2	37.9	48.3	51.7
145°	3.4	17.2	34.5	44.8	48.3
147.5°	3.4	17.2	31.0	41.4	44.8
150°	3.4	13.8	27.6	37.9	41.4
152.5°	3.4	13.8	24.1	34.5	37.9
155°	3.4	10.3	20.7	31.0	34.5
157.5°	3.4	10.3	20.7	27.6	31.0
160°	6.9	10.3	17.2	24.1	27.6
162.5°	3.4	6.9	17.2	20.7	24.1
165°	6.9	6.9	13.8	17.2	20.7
167.5°	6.9	6.9	10.3	13.8	17.2
170°	6.9	6.9	10.3	10.3	13.8
172.5°	6.9	6.9	6.9	10.3	6.9
175°	6.9	6.9	6.9	6.9	3.4
177.5°	6.9	6.9	6.9	6.9	3.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.9	6.9	6.9	6.9	6.9

(END OF REPORT)