

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: P566679

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-63SL-LN-UNV-L835-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

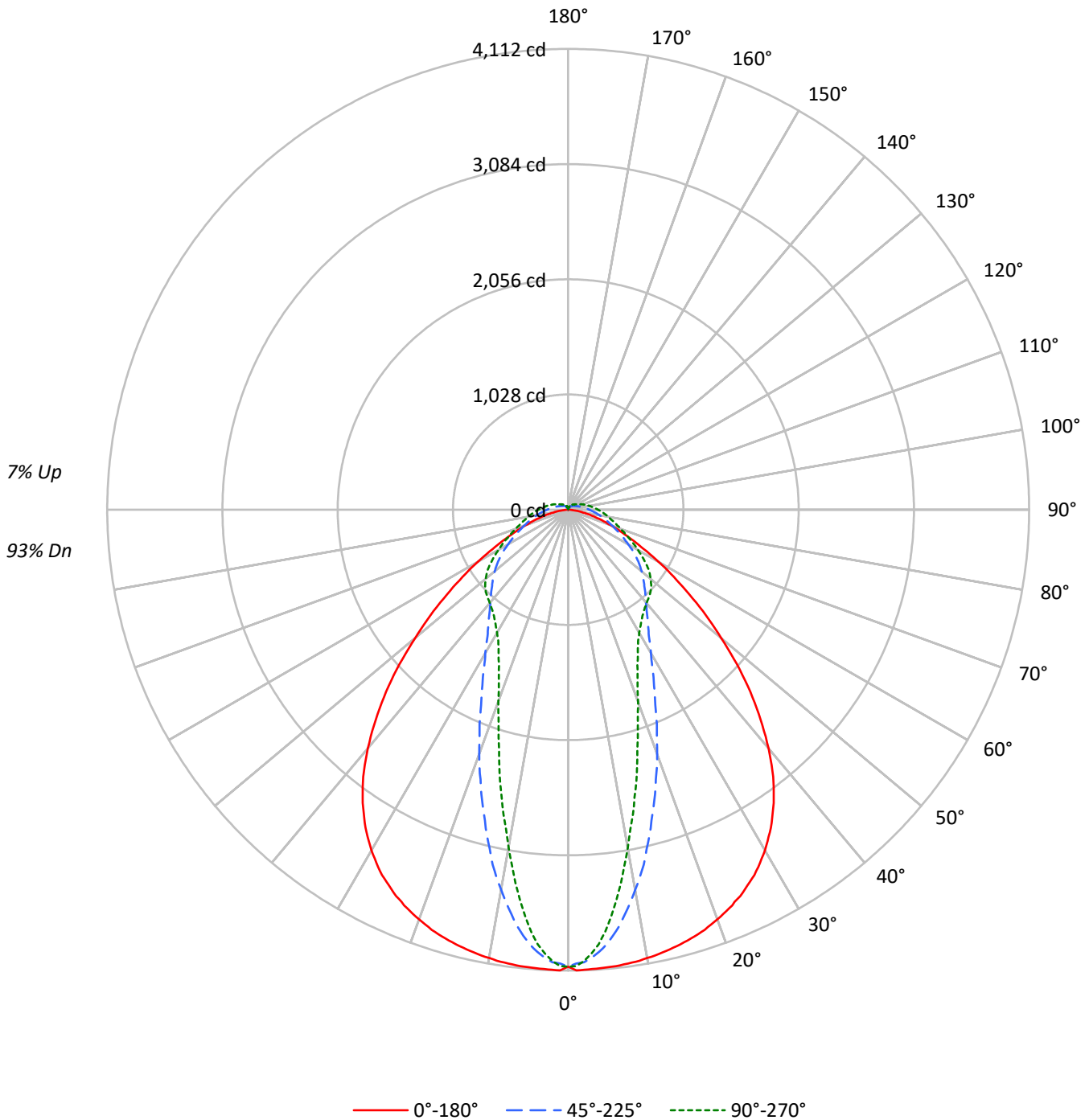
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6500.0 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
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 (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

TEST NUMBER: P566679
CATALOG NUMBER: 4SNX-63SL-LN-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566679

CATALOG NUMBER: 4SNX-63SL-LN-UNV-L835-CD

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	43891	43891	43891
5°	44119	40341	38605
10°	44059	34588	29952
15°	44037	28214	22449
20°	43897	22476	16800
25°	43498	17612	13333
30°	42587	14253	11373
35°	40797	12063	10345
40°	37739	10650	9792
45°	33553	9743	9490
50°	28423	8966	8964
55°	23350	8124	8187
60°	18673	7147	7182
65°	14496	6275	6249
70°	11256	5550	5528
75°	8706	4987	5036
80°	6147	4563	4682
85°	3422	4253	4490



TEST NUMBER: P566679

CATALOG NUMBER: 4SNX-63SL-LN-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.1	5.6
10°-20°	846.4	13.0
20°-30°	1004.7	15.5
30°-40°	1010.9	15.6
40°-50°	939.6	14.5
50°-60°	773.7	11.9
60°-70°	545.2	8.4
70°-80°	356.2	5.5
80°-90°	227.4	3.5
90°-100°	149.1	2.3
100°-110°	101.3	1.6
110°-120°	69.4	1.1
120°-130°	48.0	0.7
130°-140°	32.3	0.5
140°-150°	19.9	0.3
150°-160°	10.3	0.2
160°-170°	3.7	0.1
170°-180°	0.6	0.0
0°-30°	2212.2	34.0
0°-40°	3223.1	49.6
0°-60°	4936.5	75.9
0°-90°	6065.3	93.3
90°-120°	319.8	4.9
90°-150°	420.0	6.5
90°-180°	435.0	6.7
0°-180°	6500.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4078	4078	4078	4078	4078	
5°	4098	4044	3897	3822	3781	390
15°	3996	3570	2872	2511	2374	1128
25°	3734	2759	1829	1536	1472	1718
35°	3195	1867	1240	1162	1155	1987
45°	2296	1230	961	1012	1039	1763
55°	1318	807	743	824	852	1191
65°	620	487	511	576	596	629
75°	242	252	344	405	422	262
85°	41	116	232	300	313	51
90°	0	78	187	256	266	2
95°	0	58	157	215	225	0
105°	0	41	106	150	164	0
115°	3	34	75	109	116	3
125°	3	27	61	78	85	3
135°	3	24	48	61	65	3
145°	3	17	34	48	51	2
155°	3	14	24	34	38	2
165°	3	7	14	17	20	1
175°	7	7	7	7	3	0
180°	3	3	3	3	3	



TEST NUMBER: P566679

CATALOG NUMBER: 4SNX-63SL-LN-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4077.6	4077.6	4077.6	4077.6	4077.6
1°	4111.7	4094.7	4050.4	4081.1	4074.2
2°	4108.3	4091.3	4040.2	4053.8	4030.0
3°	4104.9	4081.1	4002.7	3999.3	3965.2
4°	4101.5	4064.0	3955.0	3914.1	3886.9
5°	4098.1	4043.6	3897.1	3822.2	3781.3
6°	4094.7	4019.7	3822.2	3709.7	3651.8
7°	4087.9	3982.3	3743.8	3590.5	3515.6
8°	4081.1	3948.2	3645.0	3461.1	3369.1
9°	4074.2	3903.9	3546.2	3321.4	3212.4
10°	4060.6	3859.6	3444.0	3178.3	3062.5
11°	4053.8	3808.5	3345.2	3042.1	2905.8
12°	4040.2	3754.0	3239.6	2899.0	2779.7
13°	4026.5	3696.1	3110.2	2776.3	2633.3
14°	4012.9	3634.8	2997.8	2640.1	2507.2
15°	3995.9	3570.1	2871.7	2510.6	2374.4
16°	3978.9	3495.1	2759.3	2377.8	2234.7
17°	3961.8	3423.6	2653.7	2255.1	2125.7
18°	3941.4	3352.0	2531.1	2135.9	2009.9
19°	3914.1	3270.3	2432.3	2026.9	1911.1
20°	3890.3	3195.3	2319.9	1924.7	1822.5
21°	3863.0	3103.4	2207.4	1829.3	1727.1
22.5°	3822.2	2973.9	2064.4	1710.1	1614.7
23°	3801.7	2936.4	2006.5	1665.8	1584.0
24°	3774.5	2837.7	1911.1	1597.7	1515.9
25°	3733.6	2759.3	1829.3	1536.4	1471.6
26°	3696.1	2663.9	1747.6	1481.9	1417.1
27°	3658.6	2571.9	1676.0	1423.9	1369.4
28°	3610.9	2476.6	1597.7	1376.2	1328.6
29°	3559.8	2388.0	1532.9	1335.4	1297.9
30°	3508.8	2289.2	1478.4	1297.9	1267.2
32.5°	3365.7	2071.2	1338.8	1226.4	1205.9
35°	3195.3	1866.8	1240.0	1161.6	1154.8
37.5°	3004.6	1679.4	1151.4	1110.5	1117.3
40°	2779.7	1509.1	1076.5	1073.1	1086.7
42.5°	2541.3	1362.6	1018.6	1042.4	1062.8
45°	2296.0	1229.8	960.6	1011.7	1039.0
47.5°	2040.5	1113.9	909.5	974.3	1004.9
50°	1781.6	1001.5	855.0	930.0	960.6
52.5°	1550.0	902.7	800.5	878.9	913.0
55°	1318.3	807.4	742.6	824.4	851.6
57.5°	1117.3	718.8	681.3	763.1	783.5
60°	930.0	633.6	620.0	694.9	718.8
62.5°	759.7	558.7	562.1	633.6	657.5
65°	620.0	487.1	511.0	575.7	596.1



TEST NUMBER: P566679

CATALOG NUMBER: 4SNX-63SL-LN-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	504.2	419.0	459.9	528.0	545.0
70°	398.6	357.7	419.0	480.3	497.4
72.5°	316.8	303.2	378.1	442.9	456.5
75°	241.9	252.1	344.1	405.4	422.4
77.5°	173.7	211.2	310.0	374.7	388.3
80°	122.6	173.7	282.7	347.5	361.1
82.5°	78.4	143.1	255.5	323.6	337.2
85°	40.9	115.8	231.6	299.8	313.4
87.5°	17.0	95.4	207.8	275.9	289.6
90°	0.0	78.4	187.4	255.5	265.7
92.5°	0.0	68.1	170.3	235.1	245.3
95°	0.0	57.9	156.7	214.6	224.8
97.5°	0.0	54.5	139.7	197.6	207.8
100°	0.0	47.7	126.0	180.5	194.2
102.5°	0.0	44.3	115.8	163.5	177.1
105°	0.0	40.9	105.6	149.9	163.5
107.5°	0.0	37.5	98.8	139.7	149.9
110°	0.0	37.5	88.6	129.4	139.7
112.5°	3.4	34.1	81.8	115.8	126.0
115°	3.4	34.1	74.9	109.0	115.8
117.5°	3.4	34.1	71.5	98.8	105.6
120°	3.4	30.7	68.1	92.0	98.8
122.5°	3.4	30.7	64.7	85.2	88.6
125°	3.4	27.3	61.3	78.4	85.2
127.5°	3.4	27.3	57.9	74.9	78.4
130°	3.4	27.3	54.5	68.1	74.9
132.5°	3.4	23.8	51.1	64.7	68.1
135°	3.4	23.8	47.7	61.3	64.7
137.5°	3.4	20.4	44.3	57.9	61.3
140°	3.4	20.4	40.9	54.5	57.9
142.5°	3.4	17.0	37.5	51.1	54.5
145°	3.4	17.0	34.1	47.7	51.1
147.5°	3.4	17.0	30.7	44.3	47.7
150°	3.4	13.6	27.3	40.9	44.3
152.5°	3.4	13.6	23.8	37.5	40.9
155°	3.4	13.6	23.8	34.1	37.5
157.5°	3.4	10.2	20.4	27.3	34.1
160°	3.4	10.2	17.0	23.8	30.7
162.5°	3.4	10.2	17.0	20.4	23.8
165°	3.4	6.8	13.6	17.0	20.4
167.5°	3.4	6.8	10.2	13.6	17.0
170°	3.4	6.8	10.2	10.2	13.6
172.5°	3.4	6.8	6.8	6.8	6.8
175°	6.8	6.8	6.8	6.8	3.4
177.5°	6.8	6.8	6.8	3.4	3.4



TEST NUMBER: P566679

CATALOG NUMBER: 4SNX-63SL-LN-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)