

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: P566681

Luminaire Tested: **4SNX-63SL-LN-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566681
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-L850-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

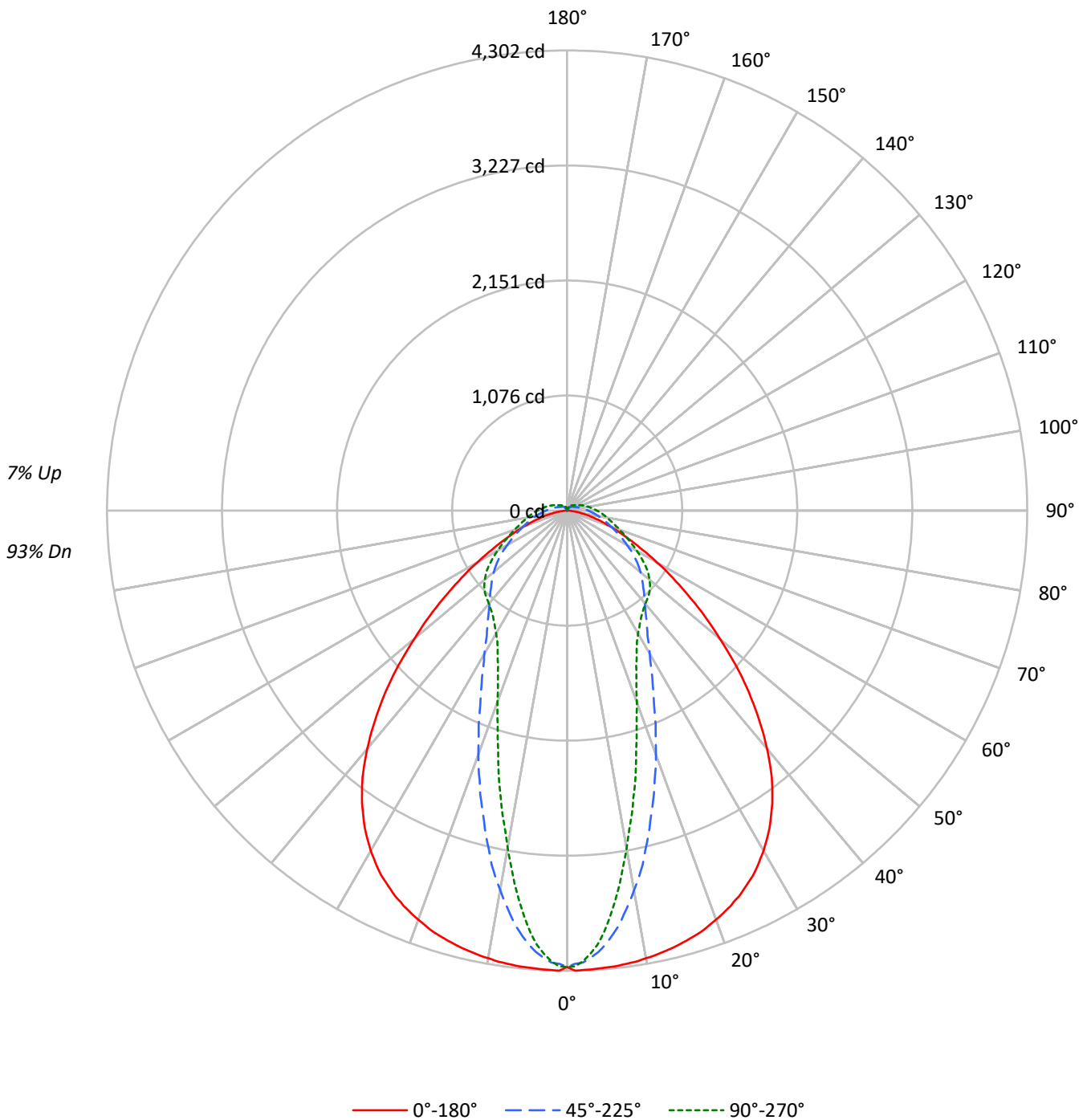
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6801.0 lumens
Efficiency: N/A
Efficacy: 153.2 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 (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

TEST NUMBER: P566681
CATALOG NUMBER: 4SNX-63SL-LN-UNV-L850-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566681

CATALOG NUMBER: 4SNX-63SL-LN-UNV-L850-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	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°	45924	45924	45924
5°	46163	42209	40393
10°	46098	36190	31339
15°	46076	29521	23488
20°	45929	23517	17578
25°	45512	18428	13951
30°	44558	14914	11900
35°	42687	12622	10824
40°	39488	11143	10245
45°	35106	10194	9929
50°	29739	9381	9379
55°	24432	8501	8566
60°	19539	7478	7514
65°	15167	6565	6539
70°	11776	5807	5784
75°	9109	5218	5270
80°	6433	4774	4898
85°	3581	4452	4698



TEST NUMBER: P566681

CATALOG NUMBER: 4SNX-63SL-LN-UNV-L850-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.8	5.6
10°-20°	885.6	13.0
20°-30°	1051.3	15.5
30°-40°	1057.7	15.6
40°-50°	983.1	14.5
50°-60°	809.6	11.9
60°-70°	570.5	8.4
70°-80°	372.7	5.5
80°-90°	237.9	3.5
90°-100°	156.0	2.3
100°-110°	105.9	1.6
110°-120°	72.6	1.1
120°-130°	50.2	0.7
130°-140°	33.8	0.5
140°-150°	20.8	0.3
150°-160°	10.8	0.2
160°-170°	3.9	0.1
170°-180°	0.7	0.0
0°-30°	2314.7	34.0
0°-40°	3372.4	49.6
0°-60°	5165.1	75.9
0°-90°	6346.2	93.3
90°-120°	334.6	4.9
90°-150°	439.5	6.5
90°-180°	455.0	6.7
0°-180°	6801.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4266	4266	4266	4266	4266	
5°	4288	4231	4078	3999	3956	408
15°	4181	3735	3005	2627	2484	1181
25°	3906	2887	1914	1608	1540	1798
35°	3343	1953	1297	1215	1208	2079
45°	2402	1287	1005	1059	1087	1844
55°	1379	845	777	863	891	1246
65°	649	510	535	602	624	658
75°	253	264	360	424	442	274
85°	43	121	242	314	328	54
90°	0	82	196	267	278	2
95°	0	61	164	225	235	0
105°	0	43	110	157	171	0
115°	4	36	78	114	121	3
125°	4	28	64	82	89	3
135°	4	25	50	64	68	3
145°	4	18	36	50	54	2
155°	4	14	25	36	39	2
165°	4	7	14	18	21	1
175°	7	7	7	7	4	0
180°	4	4	4	4	4	



TEST NUMBER: P566681

CATALOG NUMBER: 4SNX-63SL-LN-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4266.5	4266.5	4266.5	4266.5	4266.5
1°	4302.1	4284.3	4238.0	4270.0	4262.9
2°	4298.5	4280.7	4227.3	4241.5	4216.6
3°	4295.0	4270.0	4188.1	4184.5	4148.8
4°	4291.4	4252.2	4138.2	4095.4	4066.9
5°	4287.9	4230.8	4077.6	3999.1	3956.4
6°	4284.3	4205.9	3999.1	3881.5	3820.9
7°	4277.2	4166.7	3917.2	3756.8	3678.4
8°	4270.0	4131.0	3813.8	3621.3	3525.1
9°	4262.9	4084.7	3710.4	3475.2	3361.1
10°	4248.6	4038.4	3603.5	3325.5	3204.3
11°	4241.5	3984.9	3500.1	3182.9	3040.4
12°	4227.3	3927.9	3389.7	3033.2	2908.5
13°	4213.0	3867.3	3254.2	2904.9	2755.2
14°	4198.7	3803.1	3136.6	2762.3	2623.3
15°	4180.9	3735.4	3004.7	2626.9	2484.3
16°	4163.1	3657.0	2887.1	2487.9	2338.2
17°	4145.3	3582.1	2776.6	2359.6	2224.1
18°	4123.9	3507.3	2648.3	2234.8	2102.9
19°	4095.4	3421.7	2544.9	2120.8	1999.6
20°	4070.4	3343.3	2427.3	2013.8	1906.9
21°	4041.9	3247.1	2309.7	1914.0	1807.1
22.5°	3999.1	3111.6	2160.0	1789.3	1689.5
23°	3977.8	3072.4	2099.4	1742.9	1657.4
24°	3949.2	2969.1	1999.6	1671.7	1586.1
25°	3906.5	2887.1	1914.0	1607.5	1539.8
26°	3867.3	2787.3	1828.5	1550.5	1482.8
27°	3828.1	2691.0	1753.6	1489.9	1432.8
28°	3778.2	2591.2	1671.7	1440.0	1390.1
29°	3724.7	2498.6	1603.9	1397.2	1358.0
30°	3671.2	2395.2	1546.9	1358.0	1325.9
32.5°	3521.5	2167.1	1400.8	1283.1	1261.8
35°	3343.3	1953.2	1297.4	1215.4	1208.3
37.5°	3143.7	1757.2	1204.7	1162.0	1169.1
40°	2908.5	1579.0	1126.3	1122.8	1137.0
42.5°	2659.0	1425.7	1065.7	1090.7	1112.1
45°	2402.3	1286.7	1005.1	1058.6	1087.1
47.5°	2135.0	1165.5	951.7	1019.4	1051.5
50°	1864.1	1047.9	894.6	973.1	1005.1
52.5°	1621.8	944.5	837.6	919.6	955.2
55°	1379.4	844.7	777.0	862.6	891.1
57.5°	1169.1	752.1	712.9	798.4	819.8
60°	973.1	663.0	648.7	727.1	752.1
62.5°	794.8	584.5	588.1	663.0	687.9
65°	648.7	509.7	534.6	602.4	623.8



TEST NUMBER: P566681

CATALOG NUMBER: 4SNX-63SL-LN-UNV-L850-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	527.5	438.4	481.2	552.5	570.3
70°	417.0	374.3	438.4	502.6	520.4
72.5°	331.5	317.2	395.6	463.4	477.6
75°	253.1	263.8	360.0	424.2	442.0
77.5°	181.8	221.0	324.4	392.1	406.3
80°	128.3	181.8	295.8	363.6	377.8
82.5°	82.0	149.7	267.3	338.6	352.9
85°	42.8	121.2	242.4	313.7	327.9
87.5°	17.8	99.8	217.4	288.7	303.0
90°	0.0	82.0	196.0	267.3	278.0
92.5°	0.0	71.3	178.2	245.9	256.6
95°	0.0	60.6	164.0	224.6	235.2
97.5°	0.0	57.0	146.1	206.7	217.4
100°	0.0	49.9	131.9	188.9	203.2
102.5°	0.0	46.3	121.2	171.1	185.3
105°	0.0	42.8	110.5	156.8	171.1
107.5°	0.0	39.2	103.4	146.1	156.8
110°	0.0	39.2	92.7	135.4	146.1
112.5°	3.6	35.6	85.5	121.2	131.9
115°	3.6	35.6	78.4	114.1	121.2
117.5°	3.6	35.6	74.9	103.4	110.5
120°	3.6	32.1	71.3	96.2	103.4
122.5°	3.6	32.1	67.7	89.1	92.7
125°	3.6	28.5	64.2	82.0	89.1
127.5°	3.6	28.5	60.6	78.4	82.0
130°	3.6	28.5	57.0	71.3	78.4
132.5°	3.6	25.0	53.5	67.7	71.3
135°	3.6	25.0	49.9	64.2	67.7
137.5°	3.6	21.4	46.3	60.6	64.2
140°	3.6	21.4	42.8	57.0	60.6
142.5°	3.6	17.8	39.2	53.5	57.0
145°	3.6	17.8	35.6	49.9	53.5
147.5°	3.6	17.8	32.1	46.3	49.9
150°	3.6	14.3	28.5	42.8	46.3
152.5°	3.6	14.3	25.0	39.2	42.8
155°	3.6	14.3	25.0	35.6	39.2
157.5°	3.6	10.7	21.4	28.5	35.6
160°	3.6	10.7	17.8	25.0	32.1
162.5°	3.6	10.7	17.8	21.4	25.0
165°	3.6	7.1	14.3	17.8	21.4
167.5°	3.6	7.1	10.7	14.3	17.8
170°	3.6	7.1	10.7	10.7	14.3
172.5°	3.6	7.1	7.1	7.1	7.1
175°	7.1	7.1	7.1	7.1	3.6
177.5°	7.1	7.1	7.1	3.6	3.6



TEST NUMBER: P566681

CATALOG NUMBER: 4SNX-63SL-LN-UNV-L850-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)