

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: P566673

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566673
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-L850-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

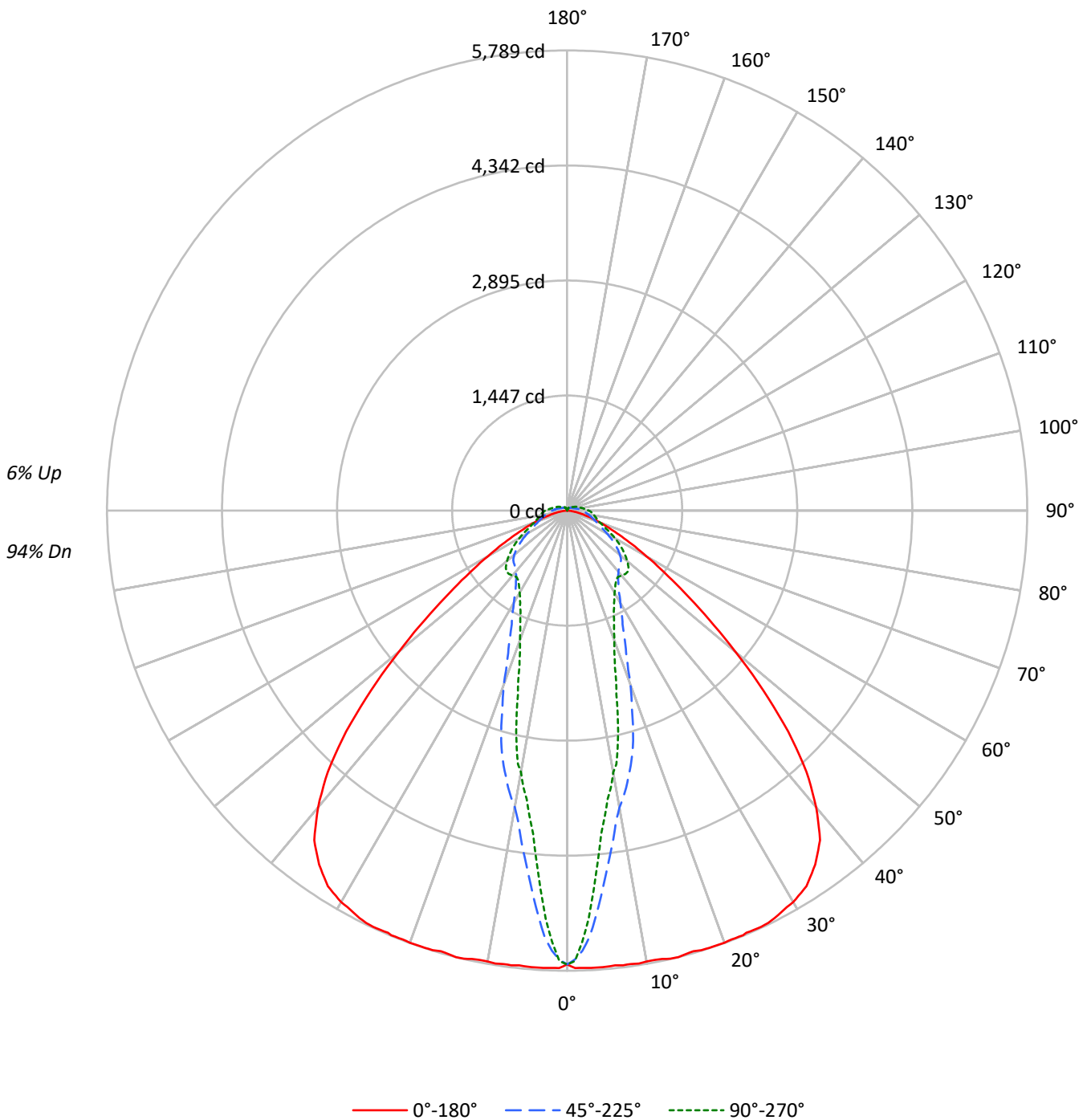
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7038.0 lumens
Efficiency: N/A
Efficacy: 158.5 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 (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: P566673
CATALOG NUMBER: 4SNX-63SL-LC-UNV-L850-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566673

CATALOG NUMBER: 4SNX-63SL-LC-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	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°	61458	61458	61458
5°	62012	50478	45182
10°	62499	38107	32700
15°	63638	31149	22643
20°	65279	22539	15992
25°	67317	16148	12581
30°	69035	12901	10715
35°	69445	10912	9596
40°	66205	9920	9620
45°	57452	9585	9882
50°	44076	9115	9222
55°	31942	7971	8183
60°	23175	6652	6919
65°	16867	5625	5671
70°	12425	4968	4890
75°	8829	4601	4558
80°	5786	4308	4490
85°	2719	4106	4496



TEST NUMBER: P566673

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.0	6.4
10°-20°	975.0	13.9
20°-30°	1116.1	15.9
30°-40°	1118.1	15.9
40°-50°	1058.4	15.0
50°-60°	811.7	11.5
60°-70°	523.2	7.4
70°-80°	333.7	4.7
80°-90°	221.6	3.1
90°-100°	148.9	2.1
100°-110°	98.1	1.4
110°-120°	68.3	1.0
120°-130°	47.6	0.7
130°-140°	33.1	0.5
140°-150°	20.2	0.3
150°-160°	10.3	0.1
160°-170°	3.9	0.1
170°-180°	0.8	0.0
0°-30°	2540.2	36.1
0°-40°	3658.2	52.0
0°-60°	5528.4	78.6
0°-90°	6606.8	93.9
90°-120°	315.3	4.5
90°-150°	416.2	5.9
90°-180°	431.0	6.1
0°-180°	7038.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5710	5710	5710	5710	5710	
5°	5760	5443	4876	4548	4426	550
15°	5774	4159	3170	2604	2395	1638
25°	5778	2943	1677	1457	1389	2664
35°	5439	1638	1122	1086	1071	3375
45°	3931	1035	945	1046	1082	2989
55°	1803	739	729	819	851	1658
65°	721	465	458	523	541	742
75°	245	252	317	364	382	270
85°	32	115	224	292	314	45
90°	0	79	188	260	270	1
95°	0	58	155	213	224	0
105°	0	43	101	144	155	2
115°	4	36	76	105	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	



TEST NUMBER: P566673

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5709.6	5709.6	5709.6	5709.6	5709.6
1°	5756.5	5724.0	5648.3	5669.9	5666.3
2°	5756.5	5687.9	5540.0	5496.8	5431.8
3°	5760.1	5626.6	5374.1	5233.5	5143.3
4°	5760.1	5536.4	5128.9	4894.4	4779.0
5°	5760.1	5442.7	4876.4	4548.2	4425.5
6°	5752.8	5330.9	4620.3	4274.1	4090.1
7°	5763.7	5208.2	4389.5	4018.0	3873.7
8°	5760.1	5063.9	4176.7	3823.2	3664.5
9°	5770.9	4923.3	3945.8	3639.3	3520.2
10°	5760.1	4793.4	3794.4	3466.1	3343.5
11°	5760.1	4667.2	3686.2	3354.3	3249.7
12°	5767.3	4522.9	3567.1	3195.6	3051.4
13°	5785.3	4375.1	3430.1	3022.5	2853.0
14°	5788.9	4263.2	3303.8	2802.5	2625.8
15°	5774.5	4158.6	3170.4	2604.1	2394.9
16°	5767.3	4050.4	3011.7	2416.6	2229.0
17°	5781.7	3924.2	2831.3	2225.4	2052.3
18°	5785.3	3808.8	2640.2	2081.1	1929.6
19°	5785.3	3718.6	2485.1	1947.7	1817.8
20°	5785.3	3632.0	2326.4	1846.7	1734.9
21°	5778.1	3523.8	2146.0	1742.1	1648.3
22.5°	5781.7	3321.9	1940.5	1619.5	1543.7
23°	5770.9	3271.4	1890.0	1587.0	1507.6
24°	5774.5	3127.1	1781.8	1522.1	1446.3
25°	5778.1	2943.2	1677.2	1457.1	1388.6
26°	5770.9	2795.3	1590.6	1395.8	1348.9
27°	5752.8	2676.2	1529.3	1345.3	1302.1
28°	5727.6	2517.5	1464.4	1302.1	1262.4
29°	5702.4	2337.2	1399.4	1255.2	1226.3
30°	5687.9	2192.9	1338.1	1219.1	1193.9
32.5°	5601.4	1908.0	1211.9	1147.0	1125.3
35°	5439.1	1637.5	1121.7	1085.6	1071.2
37.5°	5226.3	1428.3	1053.2	1046.0	1049.6
40°	4876.4	1262.4	1002.7	1035.2	1067.6
42.5°	4458.0	1132.5	966.6	1046.0	1082.0
45°	3931.4	1035.2	945.0	1046.0	1082.0
47.5°	3347.1	955.8	919.7	1009.9	1046.0
50°	2762.8	883.7	869.2	955.8	988.3
52.5°	2247.0	815.1	804.3	887.3	919.7
55°	1803.4	739.4	728.6	818.7	851.2
57.5°	1446.3	667.3	656.4	739.4	771.9
60°	1154.2	595.1	577.1	660.0	692.5
62.5°	919.7	526.6	515.8	587.9	616.8
65°	721.4	465.3	458.1	523.0	541.0



TEST NUMBER: P566673

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	569.9	407.6	411.2	465.3	486.9
70°	440.0	353.5	375.1	425.6	440.0
72.5°	331.8	299.4	346.3	389.5	407.6
75°	245.3	252.5	317.4	364.3	382.3
77.5°	169.5	209.2	292.2	342.6	360.7
80°	115.4	169.5	266.9	324.6	346.3
82.5°	68.5	140.7	245.3	306.6	331.8
85°	32.5	115.4	223.6	292.2	313.8
87.5°	10.8	93.8	202.0	277.7	295.8
90°	0.0	79.3	187.6	259.7	270.5
92.5°	0.0	68.5	169.5	238.0	245.3
95°	0.0	57.7	155.1	212.8	223.6
97.5°	0.0	54.1	144.3	191.2	205.6
100°	0.0	50.5	129.8	173.1	187.6
102.5°	0.0	43.3	115.4	155.1	169.5
105°	0.0	43.3	101.0	144.3	155.1
107.5°	3.6	39.7	93.8	129.8	144.3
110°	3.6	39.7	83.0	122.6	133.5
112.5°	3.6	39.7	79.3	111.8	126.2
115°	3.6	36.1	75.7	104.6	111.8
117.5°	3.6	36.1	72.1	93.8	101.0
120°	3.6	32.5	68.5	86.6	90.2
122.5°	3.6	32.5	64.9	79.3	83.0
125°	3.6	32.5	64.9	75.7	79.3
127.5°	3.6	28.9	61.3	72.1	72.1
130°	3.6	28.9	57.7	68.5	68.5
132.5°	3.6	25.2	54.1	64.9	68.5
135°	3.6	25.2	50.5	61.3	64.9
137.5°	3.6	21.6	46.9	57.7	61.3
140°	3.6	21.6	43.3	54.1	57.7
142.5°	3.6	18.0	39.7	50.5	54.1
145°	3.6	18.0	36.1	46.9	50.5
147.5°	3.6	18.0	32.5	43.3	46.9
150°	3.6	14.4	28.9	39.7	43.3
152.5°	3.6	14.4	25.2	36.1	39.7
155°	3.6	10.8	21.6	32.5	36.1
157.5°	3.6	10.8	21.6	28.9	32.5
160°	7.2	10.8	18.0	25.2	28.9
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



TEST NUMBER: P566673

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

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)