

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: P566665

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

Issue Date: 9/15/2022



**Test Information**

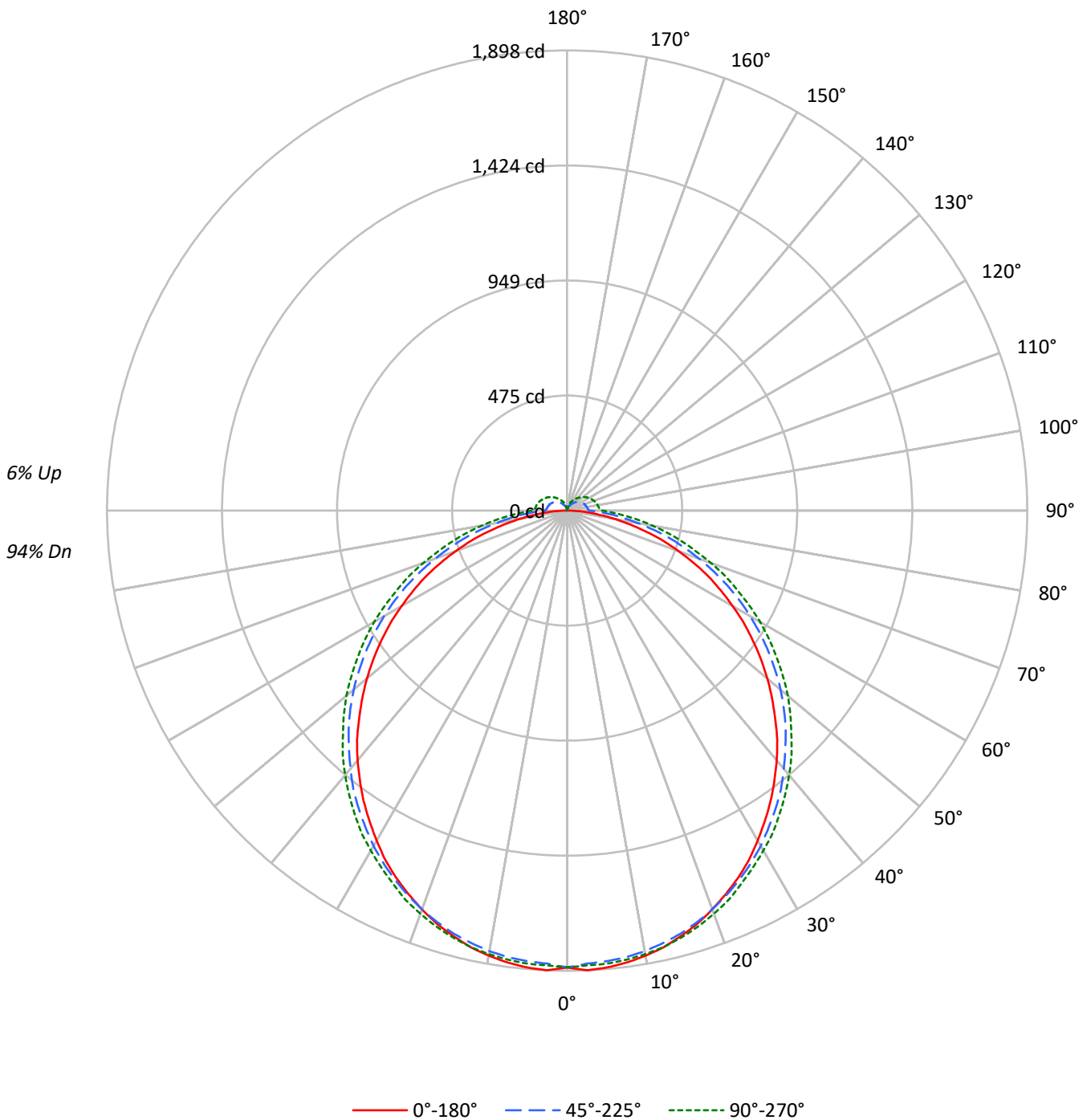
Test Method: LM-79-08  
Report Number: P566665  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-63SL-FDL-UNV-L850-CD  
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5988.0 lumens  
Efficiency: N/A  
Efficacy: 134.9 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')  
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: P566665  
CATALOG NUMBER: 4SNX-63SL-FDL-UNV-L850-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P566665

CATALOG NUMBER: 4SNX-63SL-FDL-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	97	97	97	94				
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77				
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64				
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53				
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45				
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39				
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34				
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30				
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27				
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24				
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	20282	20282	20282
5°	20421	19947	19977
10°	20338	19731	19726
15°	20185	19482	19444
20°	19978	19180	19113
25°	19739	18849	18720
30°	19416	18510	18359
35°	19089	18114	17980
40°	18730	17677	17555
45°	18276	17243	17060
50°	17837	16750	16607
55°	17295	16138	15977
60°	16682	15439	15359
65°	16037	14605	14504
70°	14925	13558	13619
75°	13583	12324	12561
80°	11606	10685	11389
85°	9127	9266	10008



TEST NUMBER: P566665

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.7	3.0
10°-20°	512.8	8.6
20°-30°	777.1	13.0
30°-40°	938.1	15.7
40°-50°	979.6	16.4
50°-60°	900.0	15.0
60°-70°	711.7	11.9
70°-80°	450.4	7.5
80°-90°	193.6	3.2
90°-100°	85.2	1.4
100°-110°	76.3	1.3
110°-120°	64.4	1.1
120°-130°	50.2	0.8
130°-140°	34.8	0.6
140°-150°	20.9	0.3
150°-160°	10.2	0.2
160°-170°	3.5	0.1
170°-180°	0.5	0.0
0°-30°	1468.6	24.5
0°-40°	2406.7	40.2
0°-60°	4286.3	71.6
0°-90°	5642.0	94.2
90°-120°	225.9	3.8
90°-150°	331.7	5.5
90°-180°	346.0	5.8
0°-180°	5988.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1884	1884	1884	1884	1884	
5°	1892	1886	1866	1882	1876	180
15°	1816	1816	1807	1826	1823	512
25°	1670	1678	1680	1702	1699	769
35°	1463	1480	1499	1523	1528	915
45°	1213	1243	1275	1299	1308	937
55°	935	973	1014	1047	1054	837
65°	644	680	727	761	773	634
75°	339	380	435	472	490	360
85°	83	127	182	222	235	91
90°	5	46	93	130	144	7
95°	1	39	85	119	132	1
105°	1	36	80	111	123	1
115°	1	31	72	101	111	1
125°	2	28	60	87	96	2
135°	2	21	49	69	77	2
145°	2	16	34	52	57	1
155°	2	11	22	33	39	1
165°	3	7	12	16	22	1
175°	3	4	5	5	3	0
180°	3	3	3	3	3	



TEST NUMBER: P566665

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

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1884.3	1884.3	1884.3	1884.3	1884.3
2.5°	1898.1	1891.7	1870.5	1885.4	1877.9
5°	1891.7	1886.4	1866.3	1882.2	1875.8
7.5°	1880.1	1875.8	1857.8	1874.8	1868.4
10°	1864.2	1861.0	1845.1	1862.0	1857.8
12.5°	1844.0	1843.0	1827.0	1846.1	1843.0
15°	1816.4	1816.4	1806.9	1826.0	1822.8
17.5°	1786.8	1787.8	1780.4	1800.5	1798.4
20°	1750.7	1756.0	1750.7	1771.9	1769.8
22.5°	1711.5	1718.9	1716.8	1738.0	1739.0
25°	1670.1	1677.5	1679.7	1701.9	1698.7
27.5°	1624.5	1636.2	1640.4	1660.6	1659.5
30°	1571.5	1587.4	1596.9	1613.9	1619.2
32.5°	1517.4	1536.5	1548.2	1571.5	1577.9
35°	1463.3	1480.3	1499.4	1522.7	1528.0
37.5°	1404.0	1423.0	1448.5	1470.8	1477.1
40°	1344.6	1365.8	1390.2	1414.6	1424.1
42.5°	1283.1	1305.3	1331.8	1360.5	1370.0
45°	1213.1	1242.8	1274.6	1299.0	1307.5
47.5°	1146.3	1179.2	1213.1	1239.6	1249.1
50°	1078.4	1113.4	1149.5	1173.9	1188.7
52.5°	1007.4	1045.5	1081.6	1112.3	1121.9
55°	935.3	973.4	1013.7	1046.6	1054.0
57.5°	865.3	902.4	942.7	973.4	988.3
60°	788.9	829.2	872.7	903.5	919.4
62.5°	714.7	753.9	800.6	833.5	846.2
65°	643.7	679.7	727.4	761.4	773.0
67.5°	565.2	606.5	652.1	691.4	706.2
70°	487.8	527.0	579.0	616.1	630.9
72.5°	415.7	453.8	505.8	542.9	556.7
75°	339.3	379.6	434.8	471.9	489.9
77.5°	266.2	310.7	363.7	404.0	424.2
80°	198.3	237.5	294.8	339.3	357.4
82.5°	134.7	177.1	236.5	277.8	298.0
85°	82.7	127.2	182.4	221.6	235.4
87.5°	39.2	81.6	132.5	170.7	187.7
90°	5.3	45.6	93.3	130.4	144.2
92.5°	1.1	39.2	85.9	120.9	133.6
95°	1.1	39.2	84.8	118.8	131.5
97.5°	1.1	38.2	83.8	117.7	129.4
100°	1.1	37.1	82.7	115.6	128.3
102.5°	1.1	37.1	80.6	113.5	125.1
105°	1.1	36.1	79.5	111.3	123.0
107.5°	1.1	35.0	77.4	109.2	120.9
110°	1.1	32.9	76.3	106.0	117.7



TEST NUMBER: P566665

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

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	31.8	74.2	103.9	114.5
115°	1.1	30.8	72.1	100.7	111.3
117.5°	1.1	29.7	68.9	97.6	108.2
120°	2.1	29.7	66.8	94.4	103.9
122.5°	2.1	28.6	63.6	90.1	99.7
125°	2.1	27.6	60.4	87.0	96.5
127.5°	2.1	26.5	57.3	82.7	91.2
130°	2.1	24.4	55.1	78.5	87.0
132.5°	2.1	23.3	52.0	73.2	81.6
135°	2.1	21.2	48.8	68.9	77.4
137.5°	2.1	20.1	45.6	64.7	72.1
140°	2.1	19.1	41.4	60.4	67.9
142.5°	2.1	17.0	38.2	56.2	62.6
145°	2.1	15.9	33.9	52.0	57.3
147.5°	2.1	13.8	30.8	47.7	53.0
150°	2.1	12.7	27.6	43.5	48.8
152.5°	2.1	11.7	24.4	38.2	43.5
155°	2.1	10.6	22.3	32.9	39.2
157.5°	2.1	9.5	19.1	28.6	35.0
160°	3.2	8.5	17.0	24.4	29.7
162.5°	3.2	7.4	13.8	20.1	26.5
165°	3.2	7.4	11.7	15.9	22.3
167.5°	3.2	6.4	9.5	12.7	18.0
170°	3.2	5.3	8.5	9.5	13.8
172.5°	3.2	4.2	6.4	6.4	7.4
175°	3.2	4.2	5.3	5.3	3.2
177.5°	3.2	3.2	3.2	3.2	2.1
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)