

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: P566666

Luminaire Tested: **4SNX-63SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566666
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-L930-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

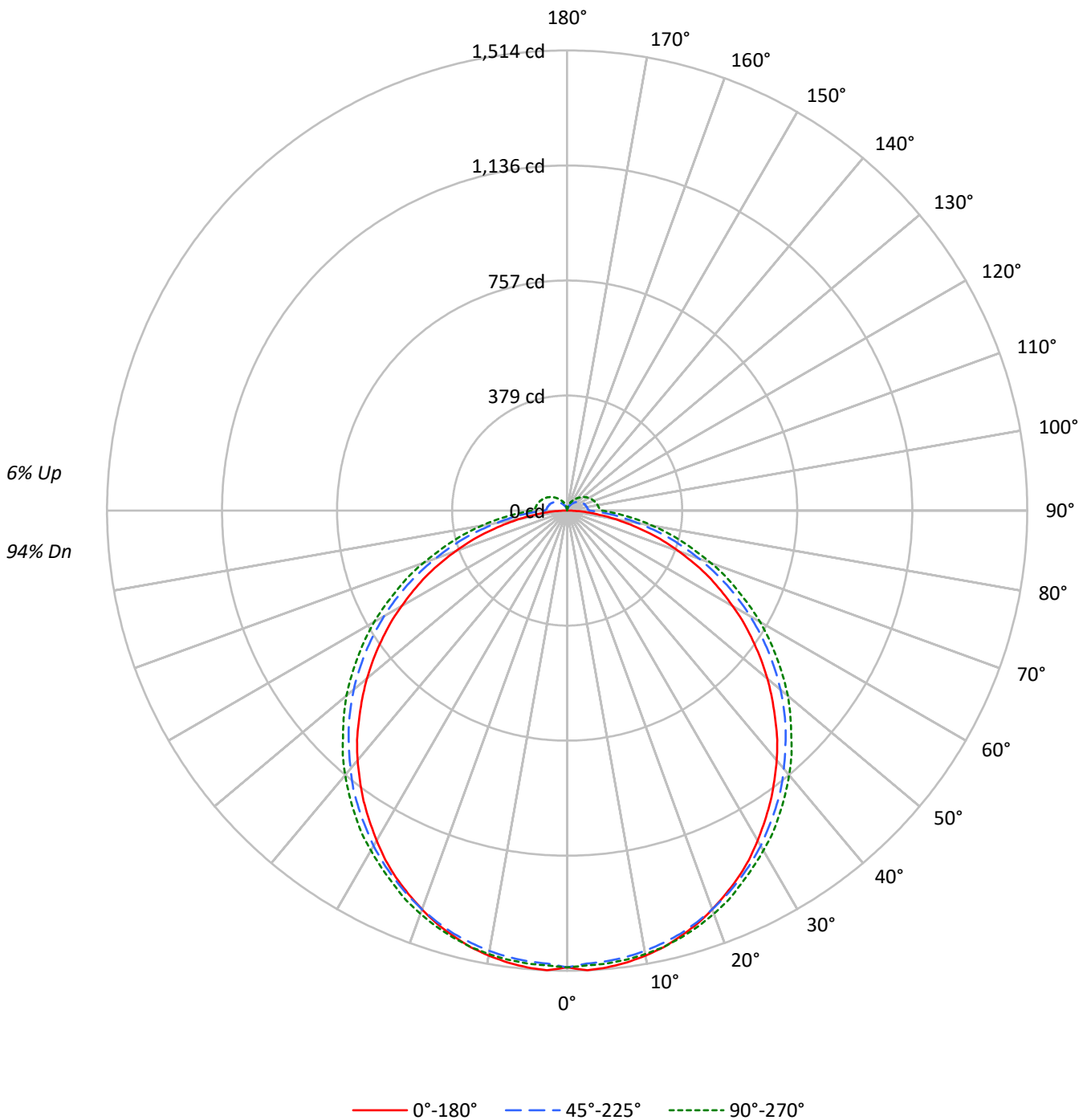
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4776.0 lumens
Efficiency: N/A
Efficacy: 107.6 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 (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: P566666
CATALOG NUMBER: 4SNX-63SL-FDL-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566666

CATALOG NUMBER: 4SNX-63SL-FDL-UNV-L930-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	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°	16177	16177	16177
5°	16288	15909	15934
10°	16221	15737	15734
15°	16100	15539	15509
20°	15935	15298	15245
25°	15744	15033	14931
30°	15486	14764	14643
35°	15226	14448	14341
40°	14938	14099	14003
45°	14577	13753	13606
50°	14226	13359	13246
55°	13794	12871	12744
60°	13305	12315	12250
65°	12790	11649	11569
70°	11905	10813	10862
75°	10833	9829	10018
80°	9259	8522	9082
85°	7284	7391	7984



TEST NUMBER: P566666

CATALOG NUMBER: 4SNX-63SL-FDL-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.5	3.0
10°-20°	409.0	8.6
20°-30°	619.8	13.0
30°-40°	748.2	15.7
40°-50°	781.4	16.4
50°-60°	717.8	15.0
60°-70°	567.6	11.9
70°-80°	359.2	7.5
80°-90°	154.4	3.2
90°-100°	68.0	1.4
100°-110°	60.8	1.3
110°-120°	51.4	1.1
120°-130°	40.1	0.8
130°-140°	27.7	0.6
140°-150°	16.6	0.3
150°-160°	8.1	0.2
160°-170°	2.8	0.1
170°-180°	0.4	0.0
0°-30°	1171.4	24.5
0°-40°	1919.6	40.2
0°-60°	3418.7	71.6
0°-90°	4500.1	94.2
90°-120°	180.2	3.8
90°-150°	264.6	5.5
90°-180°	276.0	5.8
0°-180°	4776.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1503	1503	1503	1503	1503	
5°	1509	1505	1488	1501	1496	143
15°	1449	1449	1441	1456	1454	409
25°	1332	1338	1340	1357	1355	613
35°	1167	1181	1196	1214	1219	730
45°	968	991	1017	1036	1043	747
55°	746	776	808	835	841	667
65°	513	542	580	607	617	506
75°	271	303	347	376	391	287
85°	66	102	146	177	188	73
90°	4	36	74	104	115	6
95°	1	31	68	95	105	1
105°	1	29	63	89	98	1
115°	1	24	58	80	89	1
125°	2	22	48	69	77	2
135°	2	17	39	55	62	1
145°	2	13	27	41	46	1
155°	2	8	18	26	31	1
165°	2	6	9	13	18	1
175°	2	3	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P566666

CATALOG NUMBER: 4SNX-63SL-FDL-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1502.9	1502.9	1502.9	1502.9	1502.9
2.5°	1513.9	1508.8	1491.9	1503.8	1497.8
5°	1508.8	1504.6	1488.5	1501.2	1496.2
7.5°	1499.5	1496.2	1481.8	1495.3	1490.2
10°	1486.8	1484.3	1471.6	1485.2	1481.8
12.5°	1470.8	1469.9	1457.2	1472.5	1469.9
15°	1448.8	1448.8	1441.2	1456.4	1453.9
17.5°	1425.1	1426.0	1420.0	1436.1	1434.4
20°	1396.4	1400.6	1396.4	1413.3	1411.6
22.5°	1365.1	1371.0	1369.3	1386.2	1387.0
25°	1332.1	1338.0	1339.7	1357.4	1354.9
27.5°	1295.7	1305.0	1308.4	1324.5	1323.6
30°	1253.4	1266.1	1273.7	1287.2	1291.5
32.5°	1210.3	1225.5	1234.8	1253.4	1258.5
35°	1167.2	1180.7	1195.9	1214.5	1218.7
37.5°	1119.8	1135.0	1155.3	1173.1	1178.1
40°	1072.4	1089.3	1108.8	1128.2	1135.9
42.5°	1023.4	1041.1	1062.3	1085.1	1092.7
45°	967.6	991.2	1016.6	1036.1	1042.8
47.5°	914.3	940.5	967.6	988.7	996.3
50°	860.1	888.0	916.8	936.3	948.1
52.5°	803.5	833.9	862.7	887.2	894.8
55°	746.0	776.4	808.5	834.8	840.7
57.5°	690.1	719.7	751.9	776.4	788.2
60°	629.2	661.4	696.1	720.6	733.3
62.5°	570.0	601.3	638.5	664.8	674.9
65°	513.4	542.1	580.2	607.3	616.6
67.5°	450.8	483.8	520.1	551.4	563.3
70°	389.1	420.3	461.8	491.4	503.2
72.5°	331.5	362.0	403.4	433.0	444.0
75°	270.6	302.8	346.8	376.4	390.7
77.5°	212.3	247.8	290.1	322.2	338.3
80°	158.2	189.5	235.1	270.6	285.0
82.5°	107.4	141.2	188.6	221.6	237.7
85°	66.0	101.5	145.5	176.8	187.8
87.5°	31.3	65.1	105.7	136.2	149.7
90°	4.2	36.4	74.4	104.0	115.0
92.5°	0.8	31.3	68.5	96.4	106.6
95°	0.8	31.3	67.7	94.7	104.9
97.5°	0.8	30.4	66.8	93.9	103.2
100°	0.8	29.6	66.0	92.2	102.3
102.5°	0.8	29.6	64.3	90.5	99.8
105°	0.8	28.8	63.4	88.8	98.1
107.5°	0.8	27.9	61.7	87.1	96.4
110°	0.8	26.2	60.9	84.6	93.9



TEST NUMBER: P566666

CATALOG NUMBER: 4SNX-63SL-FDL-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	25.4	59.2	82.9	91.3
115°	0.8	24.5	57.5	80.3	88.8
117.5°	0.8	23.7	55.0	77.8	86.3
120°	1.7	23.7	53.3	75.3	82.9
122.5°	1.7	22.8	50.7	71.9	79.5
125°	1.7	22.0	48.2	69.4	77.0
127.5°	1.7	21.1	45.7	66.0	72.7
130°	1.7	19.5	44.0	62.6	69.4
132.5°	1.7	18.6	41.4	58.4	65.1
135°	1.7	16.9	38.9	55.0	61.7
137.5°	1.7	16.1	36.4	51.6	57.5
140°	1.7	15.2	33.0	48.2	54.1
142.5°	1.7	13.5	30.4	44.8	49.9
145°	1.7	12.7	27.1	41.4	45.7
147.5°	1.7	11.0	24.5	38.1	42.3
150°	1.7	10.1	22.0	34.7	38.9
152.5°	1.7	9.3	19.5	30.4	34.7
155°	1.7	8.5	17.8	26.2	31.3
157.5°	1.7	7.6	15.2	22.8	27.9
160°	2.5	6.8	13.5	19.5	23.7
162.5°	2.5	5.9	11.0	16.1	21.1
165°	2.5	5.9	9.3	12.7	17.8
167.5°	2.5	5.1	7.6	10.1	14.4
170°	2.5	4.2	6.8	7.6	11.0
172.5°	2.5	3.4	5.1	5.1	5.9
175°	2.5	3.4	4.2	4.2	2.5
177.5°	2.5	2.5	2.5	2.5	1.7
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)