

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: P566667

Luminaire Tested: **4SNX-63SL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566667
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-L935-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

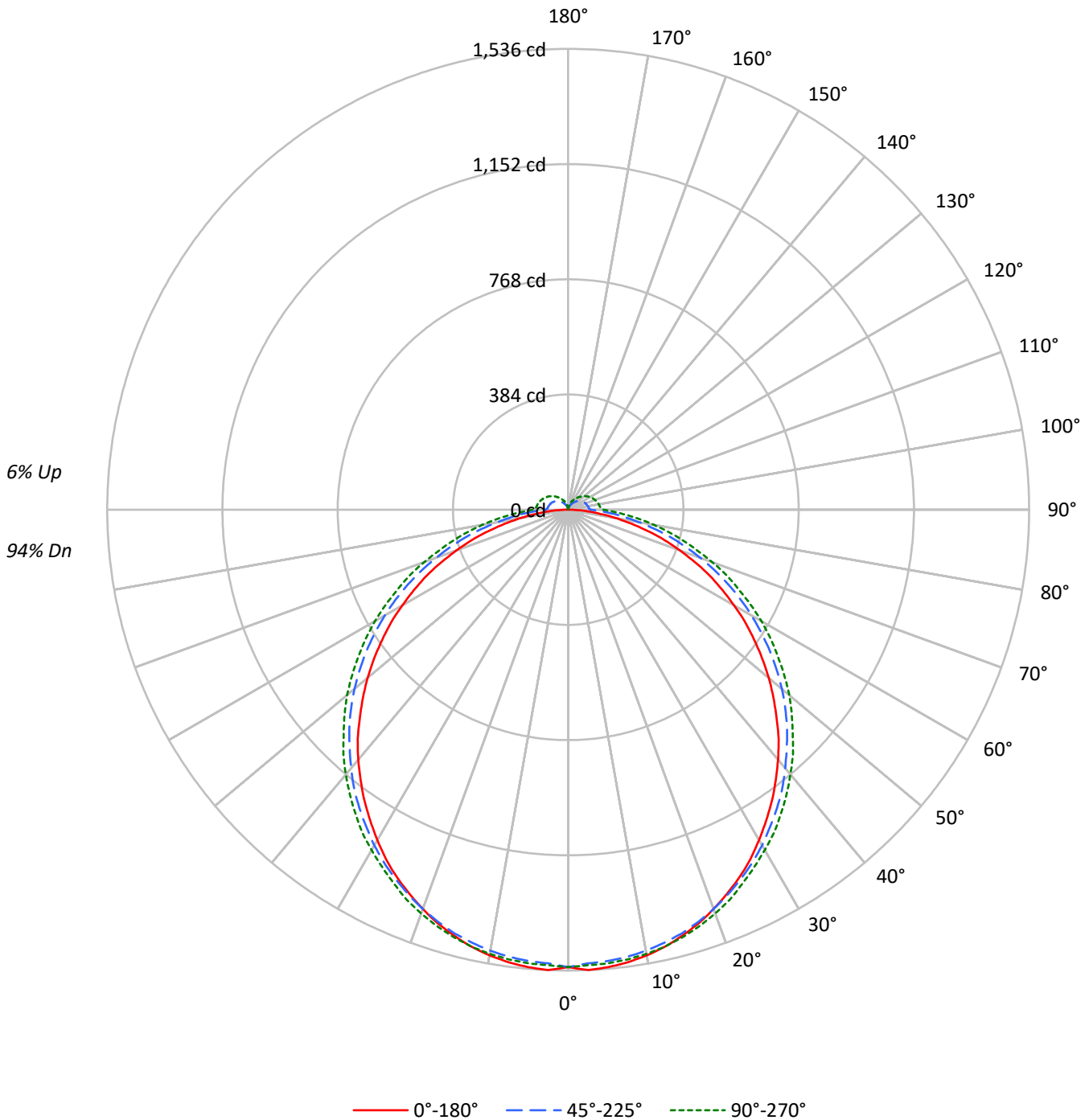
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4845.0 lumens
Efficiency: N/A
Efficacy: 109.1 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

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Luminous Intensity Polar Plot





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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°	16411	16411	16411
5°	16523	16139	16164
10°	16455	15965	15961
15°	16332	15763	15733
20°	16164	15518	15465
25°	15971	15250	15147
30°	15709	14977	14854
35°	15445	14657	14548
40°	15154	14302	14205
45°	14787	13952	13803
50°	14433	13553	13437
55°	13992	13057	12927
60°	13498	12492	12427
65°	12975	11818	11736
70°	12076	10970	11020
75°	10993	9971	10164
80°	9388	8645	9213
85°	7383	7498	8099



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.6	3.0
10°-20°	414.9	8.6
20°-30°	628.8	13.0
30°-40°	759.0	15.7
40°-50°	792.6	16.4
50°-60°	728.2	15.0
60°-70°	575.8	11.9
70°-80°	364.4	7.5
80°-90°	156.7	3.2
90°-100°	68.9	1.4
100°-110°	61.7	1.3
110°-120°	52.1	1.1
120°-130°	40.6	0.8
130°-140°	28.1	0.6
140°-150°	16.9	0.3
150°-160°	8.2	0.2
160°-170°	2.9	0.1
170°-180°	0.4	0.0
0°-30°	1188.3	24.5
0°-40°	1947.3	40.2
0°-60°	3468.1	71.6
0°-90°	4565.1	94.2
90°-120°	182.8	3.8
90°-150°	268.4	5.5
90°-180°	280.0	5.8
0°-180°	4845.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1525	1525	1525	1525	1525	
5°	1531	1526	1510	1523	1518	145
15°	1470	1470	1462	1477	1475	415
25°	1351	1357	1359	1377	1374	622
35°	1184	1198	1213	1232	1236	740
45°	982	1006	1031	1051	1058	758
55°	757	788	820	847	853	677
65°	521	550	589	616	626	513
75°	275	307	352	382	396	291
85°	67	103	148	179	190	74
90°	4	37	76	106	117	6
95°	1	32	69	96	106	1
105°	1	29	64	90	100	1
115°	1	25	58	82	90	1
125°	2	22	49	70	78	2
135°	2	17	40	56	63	1
145°	2	13	28	42	46	1
155°	2	9	18	27	32	1
165°	3	6	9	13	18	1
175°	3	3	4	4	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1524.6	1524.6	1524.6	1524.6	1524.6
2.5°	1535.8	1530.6	1513.5	1525.5	1519.5
5°	1530.6	1526.3	1510.0	1522.9	1517.8
7.5°	1521.2	1517.8	1503.2	1516.9	1511.8
10°	1508.3	1505.8	1492.9	1506.6	1503.2
12.5°	1492.0	1491.2	1478.3	1493.7	1491.2
15°	1469.7	1469.7	1462.0	1477.4	1474.9
17.5°	1445.7	1446.6	1440.5	1456.8	1455.1
20°	1416.5	1420.8	1416.5	1433.7	1432.0
22.5°	1384.8	1390.8	1389.1	1406.2	1407.1
25°	1351.3	1357.3	1359.0	1377.1	1374.5
27.5°	1314.4	1323.9	1327.3	1343.6	1342.7
30°	1271.5	1284.4	1292.1	1305.8	1310.1
32.5°	1227.8	1243.2	1252.7	1271.5	1276.7
35°	1184.0	1197.7	1213.2	1232.1	1236.3
37.5°	1136.0	1151.4	1172.0	1190.0	1195.2
40°	1087.9	1105.1	1124.8	1144.5	1152.3
42.5°	1038.2	1056.2	1077.6	1100.8	1108.5
45°	981.5	1005.6	1031.3	1051.0	1057.9
47.5°	927.5	954.1	981.5	1003.0	1010.7
50°	872.6	900.9	930.1	949.8	961.8
52.5°	815.1	846.0	875.1	900.0	907.7
55°	756.7	787.6	820.2	846.8	852.8
57.5°	700.1	730.1	762.7	787.6	799.6
60°	638.3	670.9	706.1	731.0	743.9
62.5°	578.3	610.0	647.8	674.4	684.7
65°	520.8	550.0	588.6	616.0	625.5
67.5°	457.3	490.8	527.7	559.4	571.4
70°	394.7	426.4	468.5	498.5	510.5
72.5°	336.3	367.2	409.3	439.3	450.4
75°	274.6	307.2	351.8	381.8	396.4
77.5°	215.4	251.4	294.3	326.9	343.2
80°	160.4	192.2	238.5	274.6	289.1
82.5°	109.0	143.3	191.3	224.8	241.1
85°	66.9	103.0	147.6	179.3	190.5
87.5°	31.7	66.1	107.2	138.1	151.9
90°	4.3	36.9	75.5	105.5	116.7
92.5°	0.9	31.7	69.5	97.8	108.1
95°	0.9	31.7	68.6	96.1	106.4
97.5°	0.9	30.9	67.8	95.2	104.7
100°	0.9	30.0	66.9	93.5	103.8
102.5°	0.9	30.0	65.2	91.8	101.2
105°	0.9	29.2	64.3	90.1	99.5
107.5°	0.9	28.3	62.6	88.4	97.8
110°	0.9	26.6	61.8	85.8	95.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	25.7	60.1	84.1	92.7
115°	0.9	24.9	58.3	81.5	90.1
117.5°	0.9	24.0	55.8	78.9	87.5
120°	1.7	24.0	54.1	76.4	84.1
122.5°	1.7	23.2	51.5	72.9	80.7
125°	1.7	22.3	48.9	70.4	78.1
127.5°	1.7	21.4	46.3	66.9	73.8
130°	1.7	19.7	44.6	63.5	70.4
132.5°	1.7	18.9	42.0	59.2	66.1
135°	1.7	17.2	39.5	55.8	62.6
137.5°	1.7	16.3	36.9	52.3	58.3
140°	1.7	15.4	33.5	48.9	54.9
142.5°	1.7	13.7	30.9	45.5	50.6
145°	1.7	12.9	27.5	42.0	46.3
147.5°	1.7	11.2	24.9	38.6	42.9
150°	1.7	10.3	22.3	35.2	39.5
152.5°	1.7	9.4	19.7	30.9	35.2
155°	1.7	8.6	18.0	26.6	31.7
157.5°	1.7	7.7	15.4	23.2	28.3
160°	2.6	6.9	13.7	19.7	24.0
162.5°	2.6	6.0	11.2	16.3	21.4
165°	2.6	6.0	9.4	12.9	18.0
167.5°	2.6	5.1	7.7	10.3	14.6
170°	2.6	4.3	6.9	7.7	11.2
172.5°	2.6	3.4	5.1	5.1	6.0
175°	2.6	3.4	4.3	4.3	2.6
177.5°	2.6	2.6	2.6	2.6	1.7
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)