

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: P566668

Luminaire Tested: **4SNX-63SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566668
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-L940-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

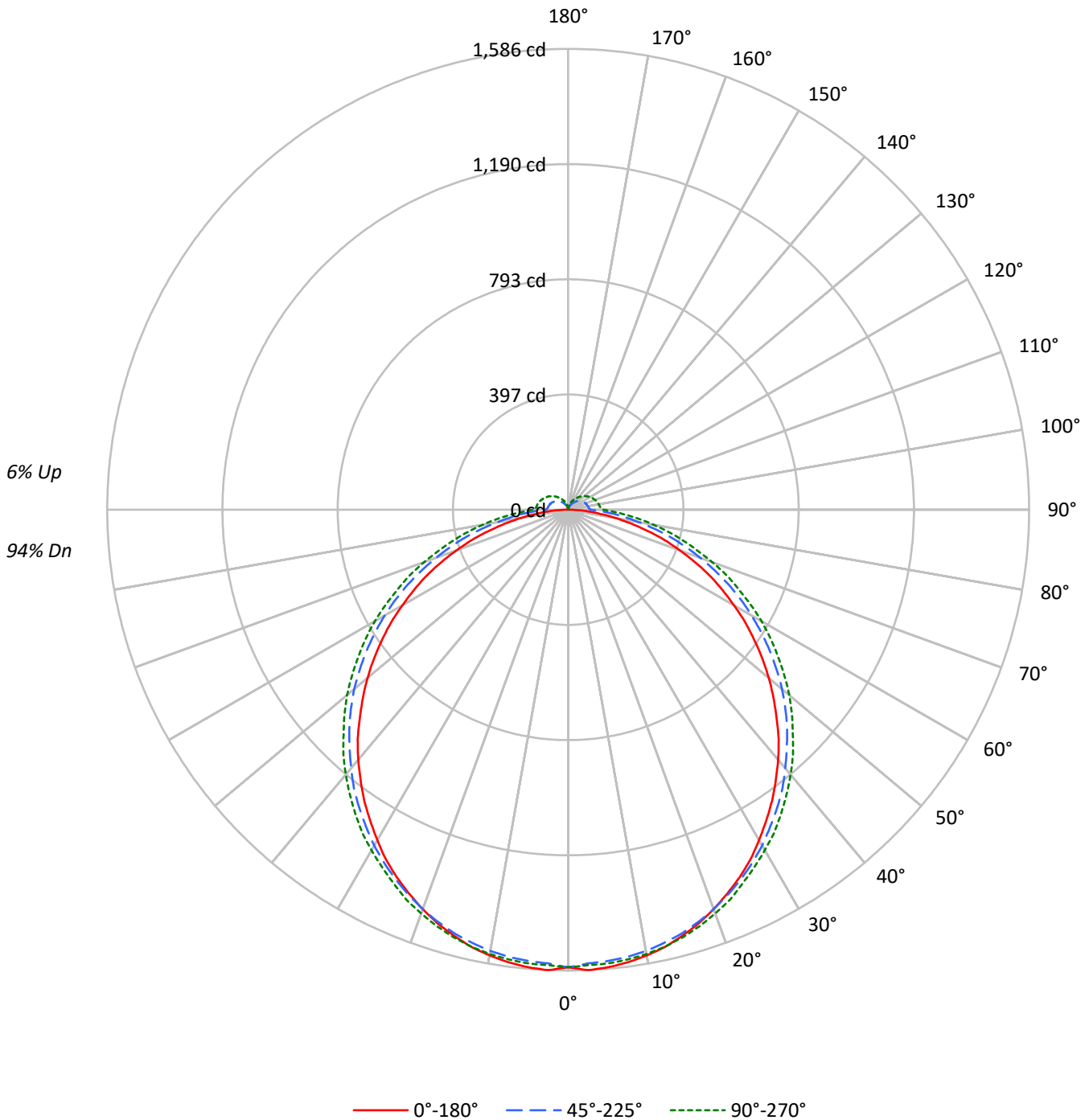
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5004.0 lumens
Efficiency: N/A
Efficacy: 112.7 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	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°	16950	16950	16950
5°	17066	16669	16695
10°	16995	16489	16484
15°	16869	16281	16249
20°	16695	16028	15973
25°	16496	15750	15644
30°	16226	15468	15342
35°	15953	15138	15025
40°	15651	14771	14671
45°	15272	14409	14256
50°	14906	13997	13879
55°	14453	13485	13351
60°	13942	12902	12835
65°	13401	12205	12121
70°	12471	11329	11383
75°	11353	10297	10497
80°	9698	8928	9515
85°	7626	7742	8362



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.3	3.0
10°-20°	428.5	8.6
20°-30°	649.4	13.0
30°-40°	784.0	15.7
40°-50°	818.6	16.4
50°-60°	752.1	15.0
60°-70°	594.7	11.9
70°-80°	376.4	7.5
80°-90°	161.8	3.2
90°-100°	71.2	1.4
100°-110°	63.7	1.3
110°-120°	53.8	1.1
120°-130°	42.0	0.8
130°-140°	29.1	0.6
140°-150°	17.4	0.3
150°-160°	8.5	0.2
160°-170°	2.9	0.1
170°-180°	0.4	0.0
0°-30°	1227.3	24.5
0°-40°	2011.2	40.2
0°-60°	3582.0	71.6
0°-90°	4714.9	94.2
90°-120°	188.8	3.8
90°-150°	277.2	5.5
90°-180°	289.0	5.8
0°-180°	5004.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1575	1575	1575	1575	1575	
5°	1581	1576	1560	1573	1568	150
15°	1518	1518	1510	1526	1523	428
25°	1396	1402	1404	1422	1420	643
35°	1223	1237	1253	1272	1277	764
45°	1014	1039	1065	1086	1093	783
55°	782	814	847	875	881	699
65°	538	568	608	636	646	530
75°	284	317	363	394	409	301
85°	69	106	152	185	197	76
90°	4	38	78	109	120	6
95°	1	33	71	99	110	1
105°	1	30	66	93	103	1
115°	1	26	60	84	93	1
125°	2	23	50	73	81	2
135°	2	18	41	58	65	1
145°	2	13	28	43	48	1
155°	2	9	19	28	33	1
165°	3	6	10	13	19	1
175°	3	4	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°	1574.7	1574.7	1574.7	1574.7	1574.7
2.5°	1586.2	1580.9	1563.1	1575.6	1569.3
5°	1580.9	1576.4	1559.6	1572.9	1567.6
7.5°	1571.1	1567.6	1552.5	1566.7	1561.4
10°	1557.8	1555.2	1541.9	1556.1	1552.5
12.5°	1541.0	1540.1	1526.8	1542.8	1540.1
15°	1518.0	1518.0	1510.0	1525.9	1523.3
17.5°	1493.1	1494.0	1487.8	1504.7	1502.9
20°	1463.0	1467.4	1463.0	1480.7	1479.0
22.5°	1430.2	1436.4	1434.7	1452.4	1453.3
25°	1395.7	1401.9	1403.6	1422.2	1419.6
27.5°	1357.6	1367.3	1370.9	1387.7	1386.8
30°	1313.3	1326.5	1334.5	1348.7	1353.1
32.5°	1268.1	1284.0	1293.8	1313.3	1318.6
35°	1222.9	1237.0	1253.0	1272.5	1276.9
37.5°	1173.2	1189.2	1210.5	1229.1	1234.4
40°	1123.6	1141.3	1161.7	1182.1	1190.1
42.5°	1072.2	1090.8	1113.0	1136.9	1144.9
45°	1013.7	1038.6	1065.1	1085.5	1092.6
47.5°	957.9	985.4	1013.7	1035.9	1043.9
50°	901.2	930.4	960.6	981.0	993.4
52.5°	841.8	873.7	903.9	929.6	937.5
55°	781.6	813.5	847.1	874.6	880.8
57.5°	723.1	754.1	787.8	813.5	825.9
60°	659.3	693.0	729.3	755.0	768.3
62.5°	597.3	630.0	669.0	696.5	707.1
65°	537.9	568.0	607.9	636.2	646.0
67.5°	472.3	506.9	545.0	577.8	590.2
70°	407.6	440.4	483.8	514.8	527.3
72.5°	347.4	379.3	422.7	453.7	465.2
75°	283.6	317.2	363.3	394.3	409.4
77.5°	222.4	259.6	303.9	337.6	354.5
80°	165.7	198.5	246.3	283.6	298.6
82.5°	112.5	148.0	197.6	232.2	249.0
85°	69.1	106.3	152.4	185.2	196.7
87.5°	32.8	68.2	110.8	142.7	156.8
90°	4.4	38.1	78.0	109.0	120.5
92.5°	0.9	32.8	71.8	101.0	111.7
95°	0.9	32.8	70.9	99.2	109.9
97.5°	0.9	31.9	70.0	98.4	108.1
100°	0.9	31.0	69.1	96.6	107.2
102.5°	0.9	31.0	67.3	94.8	104.6
105°	0.9	30.1	66.5	93.0	102.8
107.5°	0.9	29.2	64.7	91.3	101.0
110°	0.9	27.5	63.8	88.6	98.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	26.6	62.0	86.8	95.7
115°	0.9	25.7	60.3	84.2	93.0
117.5°	0.9	24.8	57.6	81.5	90.4
120°	1.8	24.8	55.8	78.9	86.8
122.5°	1.8	23.9	53.2	75.3	83.3
125°	1.8	23.0	50.5	72.7	80.6
127.5°	1.8	22.2	47.9	69.1	76.2
130°	1.8	20.4	46.1	65.6	72.7
132.5°	1.8	19.5	43.4	61.1	68.2
135°	1.8	17.7	40.8	57.6	64.7
137.5°	1.8	16.8	38.1	54.1	60.3
140°	1.8	16.0	34.6	50.5	56.7
142.5°	1.8	14.2	31.9	47.0	52.3
145°	1.8	13.3	28.4	43.4	47.9
147.5°	1.8	11.5	25.7	39.9	44.3
150°	1.8	10.6	23.0	36.3	40.8
152.5°	1.8	9.7	20.4	31.9	36.3
155°	1.8	8.9	18.6	27.5	32.8
157.5°	1.8	8.0	16.0	23.9	29.2
160°	2.7	7.1	14.2	20.4	24.8
162.5°	2.7	6.2	11.5	16.8	22.2
165°	2.7	6.2	9.7	13.3	18.6
167.5°	2.7	5.3	8.0	10.6	15.1
170°	2.7	4.4	7.1	8.0	11.5
172.5°	2.7	3.5	5.3	5.3	6.2
175°	2.7	3.5	4.4	4.4	2.7
177.5°	2.7	2.7	2.7	2.7	1.8
180°	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)