

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: P566664

Luminaire Tested: **4SNX-63SL-FDL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566664
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-L840-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

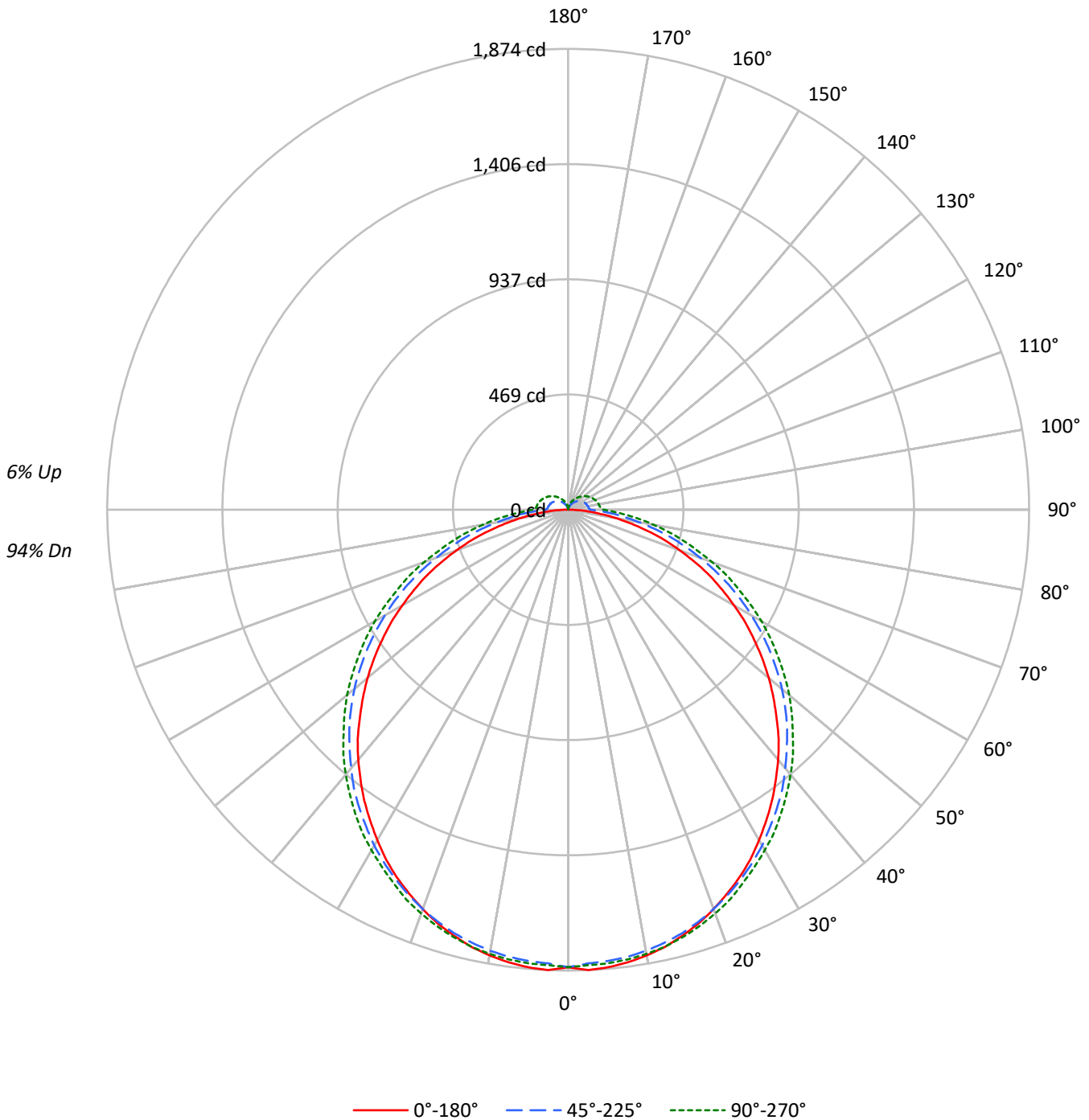
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5912.0 lumens
Efficiency: N/A
Efficacy: 133.2 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

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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°	20025	20025	20025
5°	20162	19694	19723
10°	20080	19481	19475
15°	19929	19235	19198
20°	19725	18936	18870
25°	19489	18609	18483
30°	19170	18276	18126
35°	18848	17885	17752
40°	18491	17452	17332
45°	18044	17024	16843
50°	17611	16537	16396
55°	17075	15934	15774
60°	16471	15243	15163
65°	15832	14420	14320
70°	14735	13384	13446
75°	13411	12165	12402
80°	11460	10548	11242
85°	9017	9149	9880



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.4	3.0
10°-20°	506.3	8.6
20°-30°	767.2	13.0
30°-40°	926.2	15.7
40°-50°	967.2	16.4
50°-60°	888.6	15.0
60°-70°	702.7	11.9
70°-80°	444.7	7.5
80°-90°	191.2	3.2
90°-100°	84.1	1.4
100°-110°	75.3	1.3
110°-120°	63.6	1.1
120°-130°	49.6	0.8
130°-140°	34.3	0.6
140°-150°	20.6	0.3
150°-160°	10.1	0.2
160°-170°	3.5	0.1
170°-180°	0.5	0.0
0°-30°	1450.0	24.5
0°-40°	2376.2	40.2
0°-60°	4231.9	71.6
0°-90°	5570.4	94.2
90°-120°	223.0	3.8
90°-150°	327.5	5.5
90°-180°	342.0	5.8
0°-180°	5912.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1860	1860	1860	1860	1860	
5°	1868	1862	1843	1858	1852	177
15°	1793	1793	1784	1803	1800	506
25°	1649	1656	1658	1680	1677	759
35°	1445	1462	1480	1503	1509	903
45°	1198	1227	1258	1282	1291	925
55°	923	961	1001	1033	1041	826
65°	636	671	718	752	763	626
75°	335	375	429	466	484	355
85°	82	126	180	219	232	90
90°	5	45	92	129	142	7
95°	1	39	84	117	130	1
105°	1	36	78	110	121	1
115°	1	30	71	100	110	1
125°	2	27	60	86	95	2
135°	2	21	48	68	76	2
145°	2	16	34	51	56	1
155°	2	10	22	32	39	1
165°	3	7	12	16	22	1
175°	3	4	5	5	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1860.4	1860.4	1860.4	1860.4	1860.4
2.5°	1874.0	1867.7	1846.8	1861.4	1854.1
5°	1867.7	1862.5	1842.6	1858.3	1852.0
7.5°	1856.2	1852.0	1834.2	1851.0	1844.7
10°	1840.5	1837.4	1821.7	1838.4	1834.2
12.5°	1820.6	1819.6	1803.9	1822.7	1819.6
15°	1793.4	1793.4	1784.0	1802.8	1799.7
17.5°	1764.1	1765.1	1757.8	1777.7	1775.6
20°	1728.5	1733.7	1728.5	1749.4	1747.3
22.5°	1689.7	1697.1	1695.0	1715.9	1717.0
25°	1648.9	1656.2	1658.3	1680.3	1677.2
27.5°	1603.9	1615.4	1619.6	1639.5	1638.4
30°	1551.6	1567.3	1576.7	1593.4	1598.7
32.5°	1498.2	1517.0	1528.5	1551.6	1557.8
35°	1444.8	1461.5	1480.4	1503.4	1508.6
37.5°	1386.1	1405.0	1430.1	1452.1	1458.4
40°	1327.5	1348.4	1372.5	1396.6	1406.0
42.5°	1266.8	1288.8	1314.9	1343.2	1352.6
45°	1197.7	1227.0	1258.4	1282.5	1290.9
47.5°	1131.7	1164.2	1197.7	1223.9	1233.3
50°	1064.7	1099.3	1134.9	1159.0	1173.6
52.5°	994.6	1032.3	1067.9	1098.2	1107.7
55°	923.4	961.1	1000.9	1033.3	1040.6
57.5°	854.3	890.9	930.7	961.1	975.7
60°	778.9	818.7	861.6	892.0	907.7
62.5°	705.6	744.4	790.4	822.9	835.5
65°	635.5	671.1	718.2	751.7	763.2
67.5°	558.0	598.8	643.9	682.6	697.3
70°	481.6	520.3	571.6	608.3	622.9
72.5°	410.4	448.1	499.4	536.0	549.6
75°	335.0	374.8	429.2	465.9	483.7
77.5°	262.8	306.8	359.1	398.9	418.8
80°	195.8	234.5	291.0	335.0	352.8
82.5°	133.0	174.8	233.5	274.3	294.2
85°	81.7	125.6	180.1	218.8	232.4
87.5°	38.7	80.6	130.9	168.6	185.3
90°	5.2	45.0	92.1	128.8	142.4
92.5°	1.0	38.7	84.8	119.4	131.9
95°	1.0	38.7	83.8	117.3	129.8
97.5°	1.0	37.7	82.7	116.2	127.7
100°	1.0	36.6	81.7	114.1	126.7
102.5°	1.0	36.6	79.6	112.0	123.5
105°	1.0	35.6	78.5	109.9	121.4
107.5°	1.0	34.5	76.4	107.8	119.4
110°	1.0	32.5	75.4	104.7	116.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	31.4	73.3	102.6	113.1
115°	1.0	30.4	71.2	99.5	109.9
117.5°	1.0	29.3	68.1	96.3	106.8
120°	2.1	29.3	66.0	93.2	102.6
122.5°	2.1	28.3	62.8	89.0	98.4
125°	2.1	27.2	59.7	85.8	95.3
127.5°	2.1	26.2	56.5	81.7	90.0
130°	2.1	24.1	54.4	77.5	85.8
132.5°	2.1	23.0	51.3	72.2	80.6
135°	2.1	20.9	48.2	68.1	76.4
137.5°	2.1	19.9	45.0	63.9	71.2
140°	2.1	18.8	40.8	59.7	67.0
142.5°	2.1	16.8	37.7	55.5	61.8
145°	2.1	15.7	33.5	51.3	56.5
147.5°	2.1	13.6	30.4	47.1	52.3
150°	2.1	12.6	27.2	42.9	48.2
152.5°	2.1	11.5	24.1	37.7	42.9
155°	2.1	10.5	22.0	32.5	38.7
157.5°	2.1	9.4	18.8	28.3	34.5
160°	3.1	8.4	16.8	24.1	29.3
162.5°	3.1	7.3	13.6	19.9	26.2
165°	3.1	7.3	11.5	15.7	22.0
167.5°	3.1	6.3	9.4	12.6	17.8
170°	3.1	5.2	8.4	9.4	13.6
172.5°	3.1	4.2	6.3	6.3	7.3
175°	3.1	4.2	5.2	5.2	3.1
177.5°	3.1	3.1	3.1	3.1	2.1
180°	3.1	3.1	3.1	3.1	3.1

(END OF REPORT)