

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: P566663

Luminaire Tested: **4SNX-63SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566663
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-L835-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

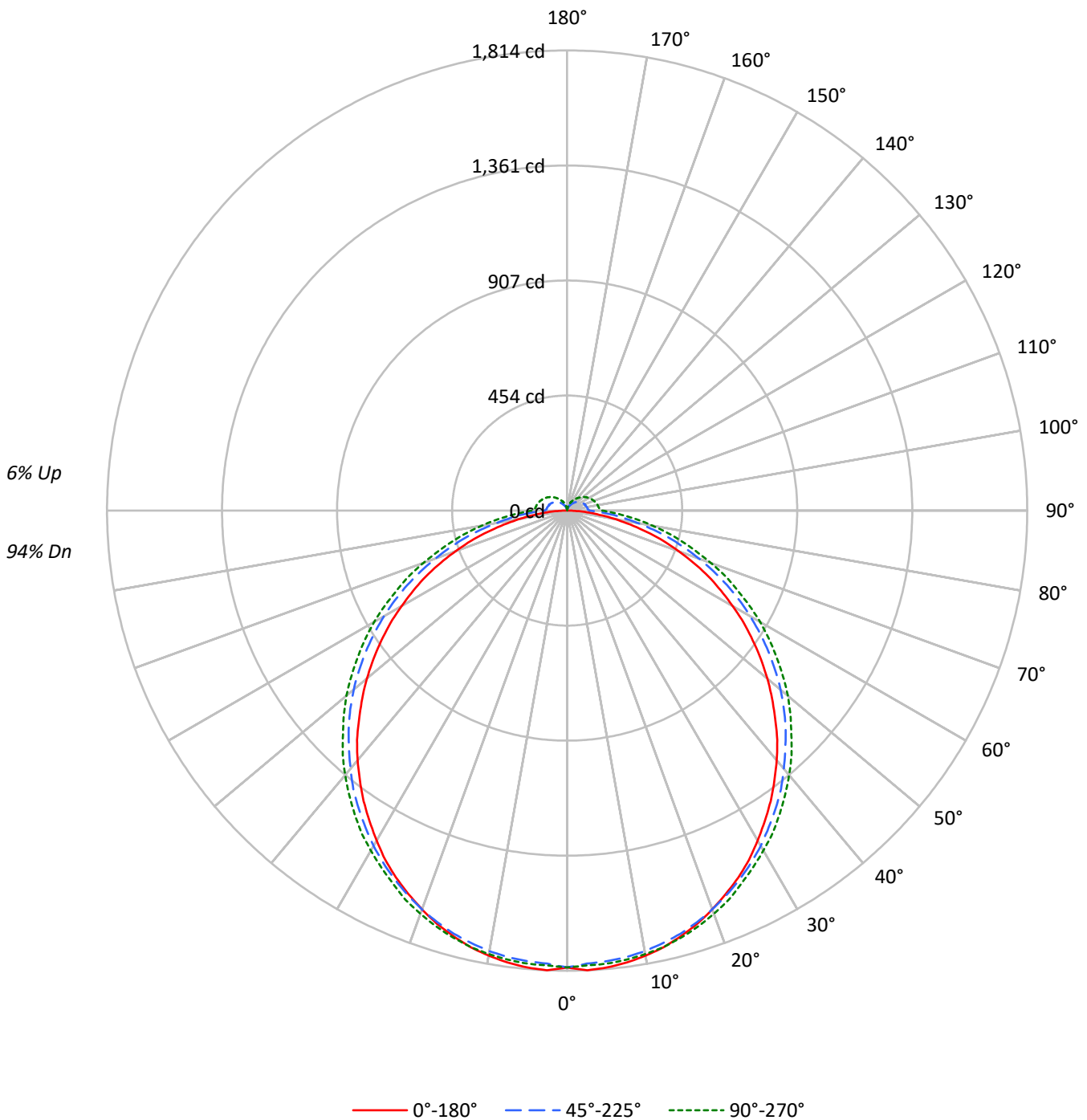
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5723.0 lumens
Efficiency: N/A
Efficacy: 128.9 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

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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°	19385	19385	19385
5°	19518	19064	19093
10°	19438	18858	18853
15°	19293	18619	18583
20°	19094	18331	18268
25°	18866	18014	17892
30°	18556	17692	17547
35°	18245	17312	17185
40°	17901	16894	16779
45°	17467	16480	16305
50°	17048	16008	15872
55°	16529	15424	15270
60°	15944	14756	14679
65°	15327	13958	13862
70°	14264	12956	13017
75°	12982	11777	12005
80°	11091	10211	10882
85°	8719	8854	9565



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.8	3.0
10°-20°	490.1	8.6
20°-30°	742.7	13.0
30°-40°	896.6	15.7
40°-50°	936.3	16.4
50°-60°	860.2	15.0
60°-70°	680.2	11.9
70°-80°	430.5	7.5
80°-90°	185.0	3.2
90°-100°	81.4	1.4
100°-110°	72.9	1.3
110°-120°	61.6	1.1
120°-130°	48.0	0.8
130°-140°	33.2	0.6
140°-150°	19.9	0.3
150°-160°	9.7	0.2
160°-170°	3.4	0.1
170°-180°	0.5	0.0
0°-30°	1403.6	24.5
0°-40°	2300.2	40.2
0°-60°	4096.7	71.6
0°-90°	5392.4	94.2
90°-120°	215.9	3.8
90°-150°	317.0	5.5
90°-180°	331.0	5.8
0°-180°	5723.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1801	1801	1801	1801	1801	
5°	1808	1803	1784	1799	1793	172
15°	1736	1736	1727	1745	1742	490
25°	1596	1603	1605	1627	1624	735
35°	1399	1415	1433	1455	1460	874
45°	1159	1188	1218	1242	1250	895
55°	894	930	969	1000	1007	800
65°	615	650	695	728	739	606
75°	324	363	416	451	468	344
85°	79	122	174	212	225	87
90°	5	44	89	125	138	7
95°	1	38	81	114	126	1
105°	1	34	76	106	118	1
115°	1	29	69	96	106	1
125°	2	26	58	83	92	2
135°	2	20	47	66	74	2
145°	2	15	32	50	55	1
155°	2	10	21	31	38	1
165°	3	7	11	15	21	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°	1800.9	1800.9	1800.9	1800.9	1800.9
2.5°	1814.1	1808.0	1787.7	1801.9	1794.8
5°	1808.0	1802.9	1783.7	1798.9	1792.8
7.5°	1796.9	1792.8	1775.6	1791.8	1785.7
10°	1781.7	1778.6	1763.4	1779.6	1775.6
12.5°	1762.4	1761.4	1746.2	1764.4	1761.4
15°	1736.1	1736.1	1726.9	1745.2	1742.1
17.5°	1707.7	1708.7	1701.6	1720.9	1718.8
20°	1673.2	1678.3	1673.2	1693.5	1691.5
22.5°	1635.7	1642.8	1640.8	1661.1	1662.1
25°	1596.2	1603.3	1605.3	1626.6	1623.6
27.5°	1552.6	1563.8	1567.8	1587.1	1586.1
30°	1501.9	1517.2	1526.3	1542.5	1547.6
32.5°	1450.3	1468.5	1479.7	1501.9	1508.0
35°	1398.6	1414.8	1433.0	1455.3	1460.4
37.5°	1341.8	1360.1	1384.4	1405.7	1411.8
40°	1285.1	1305.3	1328.6	1352.0	1361.1
42.5°	1226.3	1247.6	1272.9	1300.3	1309.4
45°	1159.4	1187.8	1218.2	1241.5	1249.6
47.5°	1095.6	1127.0	1159.4	1184.7	1193.9
50°	1030.7	1064.1	1098.6	1121.9	1136.1
52.5°	962.8	999.3	1033.7	1063.1	1072.2
55°	893.9	930.4	968.9	1000.3	1007.4
57.5°	827.0	862.5	901.0	930.4	944.5
60°	754.0	792.5	834.1	863.5	878.7
62.5°	683.1	720.6	765.2	796.6	808.7
65°	615.2	649.6	695.2	727.7	738.8
67.5°	540.2	579.7	623.3	660.8	675.0
70°	466.2	503.7	553.3	588.8	603.0
72.5°	397.3	433.8	483.4	518.9	532.1
75°	324.3	362.8	415.5	451.0	468.2
77.5°	254.4	296.9	347.6	386.1	405.4
80°	189.5	227.0	281.7	324.3	341.5
82.5°	128.7	169.2	226.0	265.5	284.8
85°	79.0	121.6	174.3	211.8	225.0
87.5°	37.5	78.0	126.7	163.2	179.4
90°	5.1	43.6	89.2	124.7	137.8
92.5°	1.0	37.5	82.1	115.5	127.7
95°	1.0	37.5	81.1	113.5	125.7
97.5°	1.0	36.5	80.1	112.5	123.6
100°	1.0	35.5	79.0	110.5	122.6
102.5°	1.0	35.5	77.0	108.4	119.6
105°	1.0	34.5	76.0	106.4	117.6
107.5°	1.0	33.4	74.0	104.4	115.5
110°	1.0	31.4	73.0	101.3	112.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	30.4	70.9	99.3	109.5
115°	1.0	29.4	68.9	96.3	106.4
117.5°	1.0	28.4	65.9	93.2	103.4
120°	2.0	28.4	63.8	90.2	99.3
122.5°	2.0	27.4	60.8	86.1	95.3
125°	2.0	26.3	57.8	83.1	92.2
127.5°	2.0	25.3	54.7	79.0	87.2
130°	2.0	23.3	52.7	75.0	83.1
132.5°	2.0	22.3	49.7	69.9	78.0
135°	2.0	20.3	46.6	65.9	74.0
137.5°	2.0	19.3	43.6	61.8	68.9
140°	2.0	18.2	39.5	57.8	64.9
142.5°	2.0	16.2	36.5	53.7	59.8
145°	2.0	15.2	32.4	49.7	54.7
147.5°	2.0	13.2	29.4	45.6	50.7
150°	2.0	12.2	26.3	41.6	46.6
152.5°	2.0	11.1	23.3	36.5	41.6
155°	2.0	10.1	21.3	31.4	37.5
157.5°	2.0	9.1	18.2	27.4	33.4
160°	3.0	8.1	16.2	23.3	28.4
162.5°	3.0	7.1	13.2	19.3	25.3
165°	3.0	7.1	11.1	15.2	21.3
167.5°	3.0	6.1	9.1	12.2	17.2
170°	3.0	5.1	8.1	9.1	13.2
172.5°	3.0	4.1	6.1	6.1	7.1
175°	3.0	4.1	5.1	5.1	3.0
177.5°	3.0	3.0	3.0	3.0	2.0
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)