

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: P566687

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566687
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-63SL-LW-UNV-L835-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

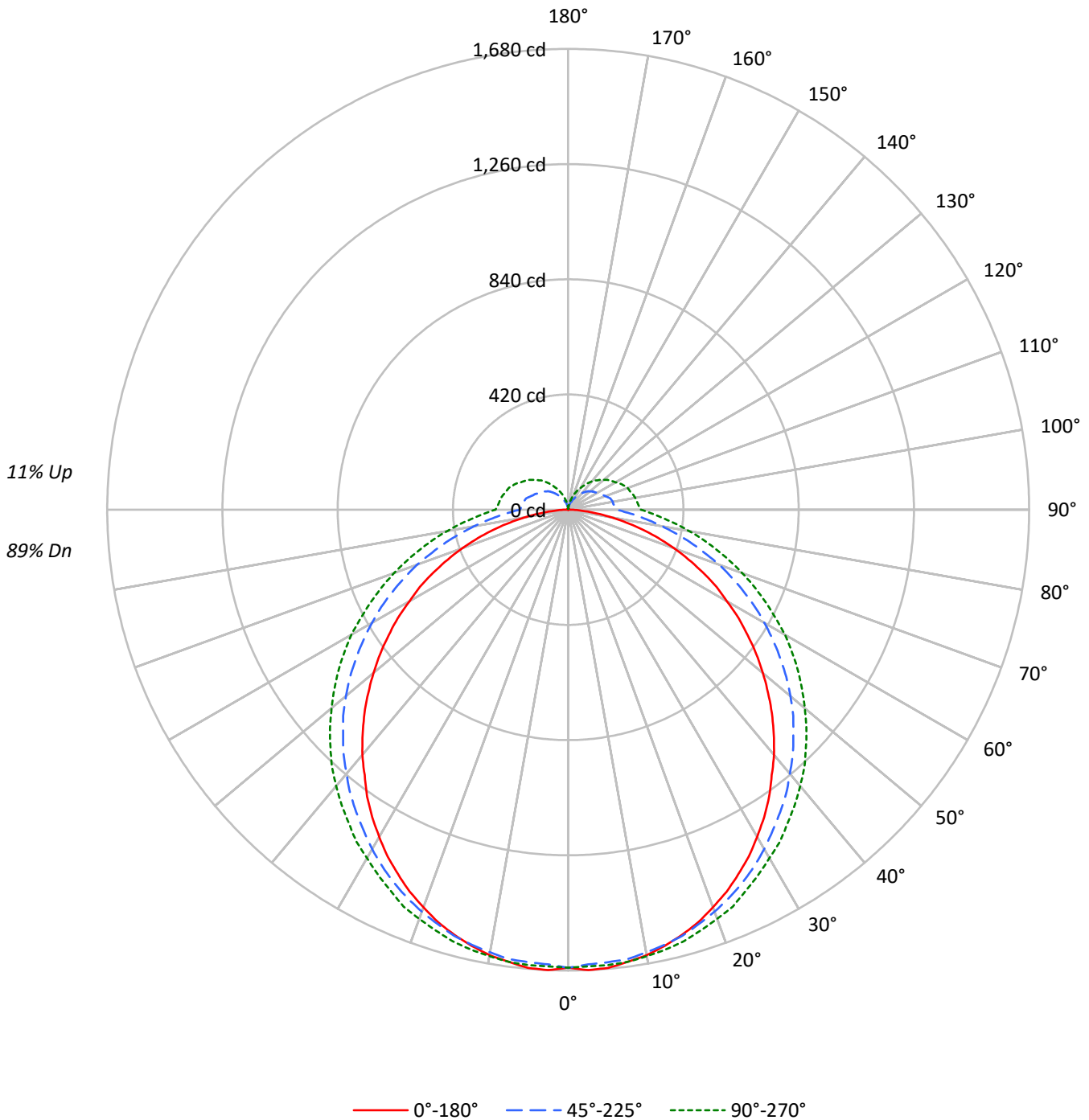
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5944.0 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-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

TEST NUMBER: P566687
CATALOG NUMBER: 4SNX-63SL-LW-UNV-L835-CD

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17973	17973	17973
5°	18050	17141	17011
10°	17892	16457	16162
15°	17680	15796	15396
20°	17403	15109	14630
25°	17086	14452	13880
30°	16714	13774	13162
35°	16307	13095	12491
40°	15845	12432	11850
45°	15344	11767	11194
50°	14775	11083	10505
55°	14147	10320	9830
60°	13411	9524	9115
65°	12637	8666	8300
70°	11569	7751	7500
75°	10160	6686	6649
80°	7942	5612	5802
85°	5187	4615	4933



TEST NUMBER: P566687

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.6	2.7
10°-20°	455.8	7.7
20°-30°	693.1	11.7
30°-40°	841.4	14.2
40°-50°	889.1	15.0
50°-60°	832.0	14.0
60°-70°	682.6	11.5
70°-80°	469.5	7.9
80°-90°	257.1	4.3
90°-100°	165.6	2.8
100°-110°	148.6	2.5
110°-120°	123.0	2.1
120°-130°	94.7	1.6
130°-140°	66.5	1.1
140°-150°	40.1	0.7
150°-160°	19.2	0.3
160°-170°	6.3	0.1
170°-180°	0.8	0.0
0°-30°	1307.6	22.0
0°-40°	2148.9	36.2
0°-60°	3870.0	65.1
0°-90°	5279.3	88.8
90°-120°	437.1	7.4
90°-150°	638.5	10.7
90°-180°	665.0	11.2
0°-180°	5944.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1670	1670	1670	1670	1670	
5°	1677	1673	1656	1670	1666	159
15°	1604	1611	1608	1628	1628	452
25°	1467	1484	1501	1532	1532	676
35°	1277	1308	1346	1384	1394	798
45°	1050	1098	1160	1212	1226	809
55°	799	864	943	1002	1022	715
65°	540	613	706	771	792	535
75°	282	358	461	534	558	297
85°	62	148	251	320	344	72
90°	0	83	176	241	265	4
95°	0	79	169	231	255	0
105°	0	65	158	217	238	2
115°	3	58	134	193	217	3
125°	3	48	114	165	186	3
135°	3	38	93	134	152	3
145°	3	28	65	103	114	2
155°	3	17	41	65	76	2
165°	3	10	21	31	38	1
175°	3	3	7	7	3	0
180°	3	3	3	3	3	



TEST NUMBER: P566687

CATALOG NUMBER: 4SNX-63SL-LW-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1669.7	1669.7	1669.7	1669.7	1669.7
2.5°	1680.0	1676.6	1659.4	1673.1	1666.2
5°	1676.6	1673.1	1655.9	1669.7	1666.2
7.5°	1662.8	1662.8	1652.5	1666.2	1662.8
10°	1649.0	1649.0	1638.7	1655.9	1652.5
12.5°	1628.4	1631.8	1624.9	1645.6	1642.1
15°	1604.3	1611.2	1607.7	1628.4	1628.4
17.5°	1576.7	1583.6	1583.6	1607.7	1607.7
20°	1542.3	1552.6	1559.5	1587.1	1587.1
22.5°	1507.9	1521.6	1532.0	1556.1	1566.4
25°	1466.6	1483.8	1501.0	1532.0	1532.0
27.5°	1425.3	1445.9	1466.6	1497.6	1501.0
30°	1377.1	1401.2	1428.7	1459.7	1466.6
32.5°	1328.9	1359.8	1387.4	1425.3	1435.6
35°	1277.2	1308.2	1346.1	1383.9	1394.3
37.5°	1218.7	1256.6	1304.8	1346.1	1356.4
40°	1167.1	1208.4	1256.6	1304.8	1315.1
42.5°	1108.5	1153.3	1211.8	1256.6	1273.8
45°	1050.0	1098.2	1160.2	1211.8	1225.6
47.5°	988.0	1043.1	1112.0	1160.2	1177.4
50°	926.1	984.6	1056.9	1112.0	1125.7
52.5°	864.1	926.1	1001.8	1056.9	1074.1
55°	798.7	864.1	943.3	1001.8	1022.5
57.5°	736.7	802.1	884.8	946.7	967.4
60°	667.9	743.6	826.2	888.2	912.3
62.5°	609.3	678.2	767.7	829.7	850.3
65°	540.5	612.8	705.7	771.2	791.8
67.5°	475.1	550.8	643.8	712.6	733.3
70°	409.7	485.4	585.2	650.7	674.8
72.5°	344.3	423.4	519.8	592.1	616.2
75°	282.3	358.0	461.3	533.6	557.7
77.5°	216.9	299.5	402.8	475.1	502.6
80°	158.4	244.4	347.7	420.0	447.5
82.5°	106.7	192.8	296.1	368.4	395.9
85°	62.0	148.0	251.3	320.2	344.3
87.5°	31.0	113.6	210.0	278.9	303.0
90°	0.0	82.6	175.6	241.0	265.1
92.5°	0.0	79.2	172.1	234.1	258.2
95°	0.0	79.2	168.7	230.7	254.8
97.5°	0.0	75.7	165.2	230.7	251.3
100°	0.0	72.3	165.2	227.2	247.9
102.5°	0.0	68.9	161.8	223.8	244.4
105°	0.0	65.4	158.4	216.9	237.5
107.5°	3.4	65.4	151.5	213.4	234.1
110°	3.4	62.0	144.6	210.0	230.7



TEST NUMBER: P566687

CATALOG NUMBER: 4SNX-63SL-LW-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	58.5	137.7	203.1	223.8
115°	3.4	58.5	134.3	192.8	216.9
117.5°	3.4	55.1	127.4	185.9	210.0
120°	3.4	55.1	123.9	179.0	199.7
122.5°	3.4	51.6	117.0	172.1	192.8
125°	3.4	48.2	113.6	165.2	185.9
127.5°	3.4	44.8	110.2	158.4	179.0
130°	3.4	41.3	103.3	151.5	168.7
132.5°	3.4	41.3	99.8	141.1	161.8
135°	3.4	37.9	93.0	134.3	151.5
137.5°	3.4	34.4	86.1	127.4	144.6
140°	3.4	31.0	79.2	120.5	134.3
142.5°	3.4	31.0	72.3	110.2	123.9
145°	3.4	27.5	65.4	103.3	113.6
147.5°	3.4	24.1	58.5	93.0	103.3
150°	3.4	24.1	51.6	82.6	93.0
152.5°	3.4	20.7	44.8	75.7	86.1
155°	3.4	17.2	41.3	65.4	75.7
157.5°	3.4	17.2	34.4	55.1	65.4
160°	3.4	13.8	31.0	44.8	55.1
162.5°	3.4	13.8	27.5	37.9	48.2
165°	3.4	10.3	20.7	31.0	37.9
167.5°	3.4	10.3	17.2	24.1	31.0
170°	3.4	6.9	13.8	17.2	24.1
172.5°	3.4	6.9	10.3	10.3	10.3
175°	3.4	3.4	6.9	6.9	3.4
177.5°	3.4	3.4	3.4	3.4	3.4
180°	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)