

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: P566686

Luminaire Tested: **4SNX-63SL-LW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566686
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-L830-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

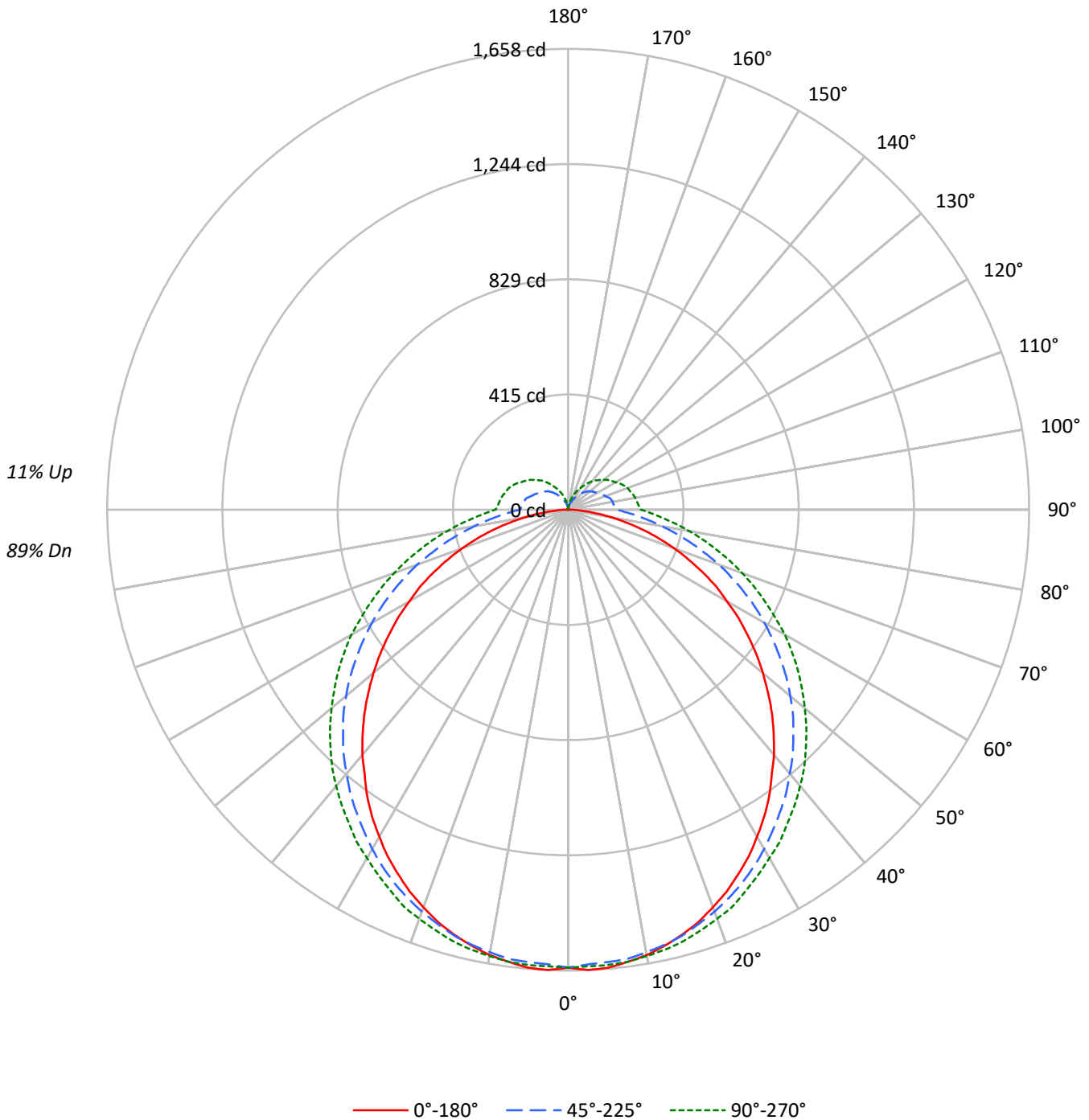
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5865.0 lumens
Efficiency: N/A
Efficacy: 132.1 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: P566686
CATALOG NUMBER: 4SNX-63SL-LW-UNV-L830-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	76	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°	17734	17734	17734
5°	17810	16913	16786
10°	17654	16239	15947
15°	17446	15585	15191
20°	17171	14909	14435
25°	16859	14259	13695
30°	16492	13591	12987
35°	16090	12921	12324
40°	15633	12267	11692
45°	15141	11611	11045
50°	14578	10935	10366
55°	13959	10182	9699
60°	13232	9398	8994
65°	12469	8552	8190
70°	11414	7649	7400
75°	10024	6598	6561
80°	7837	5538	5726
85°	5112	4554	4867



TEST NUMBER: P566686

CATALOG NUMBER: 4SNX-63SL-LW-UNV-L830-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.5	2.7
10°-20°	449.8	7.7
20°-30°	683.9	11.7
30°-40°	830.2	14.2
40°-50°	877.3	15.0
50°-60°	820.9	14.0
60°-70°	673.6	11.5
70°-80°	463.3	7.9
80°-90°	253.7	4.3
90°-100°	163.4	2.8
100°-110°	146.6	2.5
110°-120°	121.3	2.1
120°-130°	93.4	1.6
130°-140°	65.7	1.1
140°-150°	39.6	0.7
150°-160°	18.9	0.3
160°-170°	6.2	0.1
170°-180°	0.7	0.0
0°-30°	1290.2	22.0
0°-40°	2120.4	36.2
0°-60°	3818.5	65.1
0°-90°	5209.1	88.8
90°-120°	431.3	7.4
90°-150°	630.0	10.7
90°-180°	656.0	11.2
0°-180°	5865.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1648	1648	1648	1648	1648	
5°	1654	1651	1634	1648	1644	157
15°	1583	1590	1586	1607	1607	446
25°	1447	1464	1481	1512	1512	667
35°	1260	1291	1328	1366	1376	787
45°	1036	1084	1145	1196	1209	799
55°	788	853	931	988	1009	705
65°	533	605	696	761	781	528
75°	278	353	455	526	550	293
85°	61	146	248	316	340	71
90°	0	82	173	238	262	4
95°	0	78	166	228	251	0
105°	0	64	156	214	234	2
115°	3	58	132	190	214	3
125°	3	48	112	163	183	3
135°	3	37	92	132	150	3
145°	3	27	64	102	112	2
155°	3	17	41	64	75	2
165°	3	10	20	31	37	1
175°	3	3	7	7	3	0
180°	3	3	3	3	3	



TEST NUMBER: P566686

CATALOG NUMBER: 4SNX-63SL-LW-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1647.5	1647.5	1647.5	1647.5	1647.5
2.5°	1657.7	1654.3	1637.3	1650.9	1644.1
5°	1654.3	1650.9	1633.9	1647.5	1644.1
7.5°	1640.7	1640.7	1630.5	1644.1	1640.7
10°	1627.1	1627.1	1616.9	1633.9	1630.5
12.5°	1606.7	1610.1	1603.3	1623.7	1620.3
15°	1583.0	1589.7	1586.3	1606.7	1606.7
17.5°	1555.8	1562.6	1562.6	1586.3	1586.3
20°	1521.8	1532.0	1538.8	1566.0	1566.0
22.5°	1487.8	1501.4	1511.6	1535.4	1545.6
25°	1447.1	1464.1	1481.0	1511.6	1511.6
27.5°	1406.3	1426.7	1447.1	1477.6	1481.0
30°	1358.8	1382.5	1409.7	1440.3	1447.1
32.5°	1311.2	1341.8	1368.9	1406.3	1416.5
35°	1260.2	1290.8	1328.2	1365.6	1375.7
37.5°	1202.5	1239.9	1287.4	1328.2	1338.4
40°	1151.5	1192.3	1239.9	1287.4	1297.6
42.5°	1093.8	1138.0	1195.7	1239.9	1256.8
45°	1036.1	1083.6	1144.8	1195.7	1209.3
47.5°	974.9	1029.3	1097.2	1144.8	1161.7
50°	913.8	971.5	1042.8	1097.2	1110.8
52.5°	852.6	913.8	988.5	1042.8	1059.8
55°	788.1	852.6	930.7	988.5	1008.9
57.5°	726.9	791.5	873.0	934.1	954.5
60°	659.0	733.7	815.3	876.4	900.2
62.5°	601.2	669.2	757.5	818.7	839.0
65°	533.3	604.6	696.4	760.9	781.3
67.5°	468.8	543.5	635.2	703.2	723.5
70°	404.2	479.0	577.5	642.0	665.8
72.5°	339.7	417.8	512.9	584.3	608.0
75°	278.5	353.3	455.2	526.5	550.3
77.5°	214.0	295.5	397.4	468.8	495.9
80°	156.3	241.2	343.1	414.4	441.6
82.5°	105.3	190.2	292.1	363.5	390.6
85°	61.1	146.1	248.0	315.9	339.7
87.5°	30.6	112.1	207.2	275.1	298.9
90°	0.0	81.5	173.2	237.8	261.6
92.5°	0.0	78.1	169.8	231.0	254.8
95°	0.0	78.1	166.4	227.6	251.4
97.5°	0.0	74.7	163.1	227.6	248.0
100°	0.0	71.3	163.1	224.2	244.6
102.5°	0.0	67.9	159.7	220.8	241.2
105°	0.0	64.5	156.3	214.0	234.4
107.5°	3.4	64.5	149.5	210.6	231.0
110°	3.4	61.1	142.7	207.2	227.6



TEST NUMBER: P566686

CATALOG NUMBER: 4SNX-63SL-LW-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	57.7	135.9	200.4	220.8
115°	3.4	57.7	132.5	190.2	214.0
117.5°	3.4	54.4	125.7	183.4	207.2
120°	3.4	54.4	122.3	176.6	197.0
122.5°	3.4	51.0	115.5	169.8	190.2
125°	3.4	47.6	112.1	163.1	183.4
127.5°	3.4	44.2	108.7	156.3	176.6
130°	3.4	40.8	101.9	149.5	166.4
132.5°	3.4	40.8	98.5	139.3	159.7
135°	3.4	37.4	91.7	132.5	149.5
137.5°	3.4	34.0	84.9	125.7	142.7
140°	3.4	30.6	78.1	118.9	132.5
142.5°	3.4	30.6	71.3	108.7	122.3
145°	3.4	27.2	64.5	101.9	112.1
147.5°	3.4	23.8	57.7	91.7	101.9
150°	3.4	23.8	51.0	81.5	91.7
152.5°	3.4	20.4	44.2	74.7	84.9
155°	3.4	17.0	40.8	64.5	74.7
157.5°	3.4	17.0	34.0	54.4	64.5
160°	3.4	13.6	30.6	44.2	54.4
162.5°	3.4	13.6	27.2	37.4	47.6
165°	3.4	10.2	20.4	30.6	37.4
167.5°	3.4	10.2	17.0	23.8	30.6
170°	3.4	6.8	13.6	17.0	23.8
172.5°	3.4	6.8	10.2	10.2	10.2
175°	3.4	3.4	6.8	6.8	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)