

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P798311

Luminaire Tested: 24SRC-SCT3-UNV-LOW-5000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798311
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2307-102-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24SRC-SCT3-UNV-LOW-5000K
Description: SkyRidge LED Selectable
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

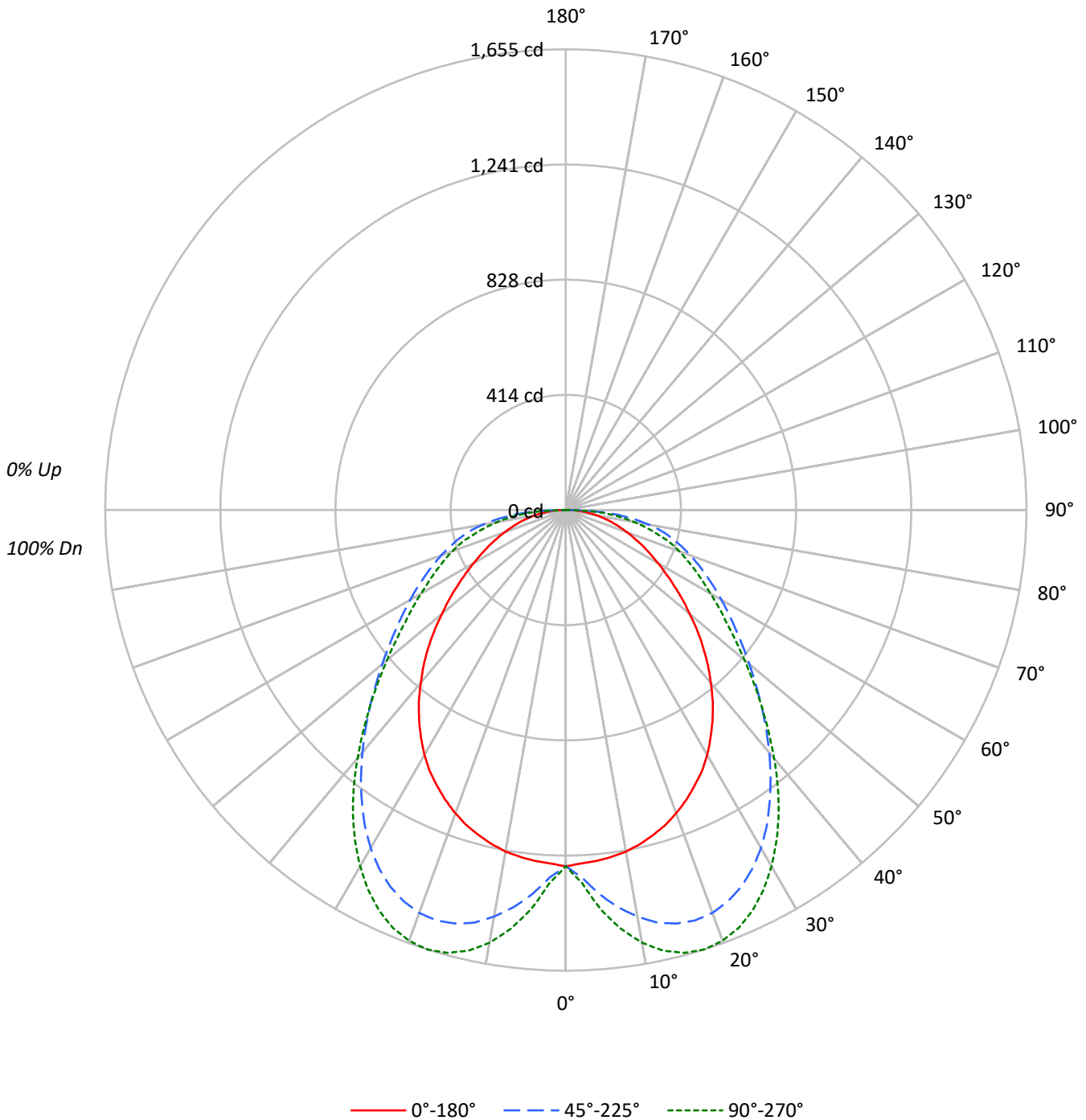
Lumens per Lamp: N/A
Luminaire Lumens: 4323.0 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.51 / 1.47
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 30.2
Input Voltage (V): 120
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: 24 FT



TEST NUMBER: P798311
CATALOG NUMBER: 24SRC-SCT3-UNV-LOW-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P798311

CATALOG NUMBER: 24SRC-SCT3-UNV-LOW-5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	108	103	98	94	105	101	96	93	96	93	90	92	89	87	89	86	84	84	84	84	82
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	70	70	70	68
3	89	79	70	64	87	77	69	63	74	67	62	71	65	61	69	64	60	60	60	60	57
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	51	51	51	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	49	45	45	45	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	40	40	40	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	32	32	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	29	29	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	26	26	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1722	1722	1722
5°	1709	1871	1945
10°	1702	2026	2156
15°	1684	2142	2294
20°	1660	2205	2357
25°	1624	2216	2357
30°	1578	2179	2297
35°	1509	2099	2190
40°	1423	1996	2045
45°	1328	1891	1891
50°	1216	1801	1754
55°	1117	1747	1653
60°	1030	1736	1616
65°	968	1775	1631
70°	922	1873	1709
75°	896	2063	1795
80°	889	2348	1934
85°	957	2783	2254

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 87.5°
 Luminance: 3254 cd/sqm



TEST NUMBER: P798311
 CATALOG NUMBER: 24SRC-SCT3-UNV-LOW-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.3	3.1
10°-20°	421.5	9.7
20°-30°	658.7	15.2
30°-40°	762.0	17.6
40°-50°	723.3	16.7
50°-60°	613.8	14.2
60°-70°	494.1	11.4
70°-80°	359.8	8.3
80°-90°	156.5	3.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1213.5	28.1
0°-40°	1975.5	45.7
0°-60°	3312.6	76.6
0°-90°	4323.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4323.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1280	1280	1280	1280	1280	
5°	1265	1332	1385	1414	1440	120
15°	1209	1404	1538	1607	1647	341
25°	1094	1351	1492	1552	1587	504
35°	919	1164	1278	1319	1334	574
45°	698	902	994	1003	994	538
55°	476	669	745	727	705	428
65°	304	498	558	526	512	303
75°	172	354	397	359	345	183
85°	62	180	180	151	146	66
90°	0	0	0	0	0	



TEST NUMBER: P798311

CATALOG NUMBER: 24SRC-SCT3-UNV-LOW-500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1279.5	1279.5	1279.5	1279.5	1279.5
2.5°	1270.9	1307.7	1320.6	1329.8	1341.5
5°	1265.4	1331.7	1385.0	1414.5	1440.2
7.5°	1256.8	1358.6	1439.0	1484.4	1517.5
10°	1245.8	1381.3	1483.2	1542.0	1578.2
12.5°	1229.2	1397.3	1518.1	1581.9	1621.2
15°	1209.0	1404.0	1537.8	1607.1	1646.9
17.5°	1186.9	1402.2	1545.7	1615.0	1654.9
20°	1159.3	1394.8	1540.2	1606.5	1646.3
22.5°	1128.6	1377.7	1521.8	1585.0	1624.2
25°	1093.7	1351.3	1492.4	1552.5	1587.4
27.5°	1058.1	1316.3	1451.9	1510.8	1537.8
30°	1015.8	1272.8	1402.2	1454.9	1478.3
32.5°	968.5	1221.2	1343.9	1389.9	1408.9
35°	918.9	1164.2	1277.7	1318.8	1333.5
37.5°	867.3	1101.0	1209.0	1242.7	1251.3
40°	810.3	1034.8	1136.6	1159.3	1164.2
42.5°	755.7	968.5	1064.8	1083.9	1077.1
45°	698.0	902.3	993.7	1002.9	993.7
47.5°	640.4	838.5	925.0	925.6	913.9
50°	580.9	779.0	860.6	853.8	837.9
52.5°	528.7	722.0	799.9	786.4	768.0
55°	476.0	669.2	744.6	726.9	704.8
57.5°	427.5	621.4	693.1	669.8	652.0
60°	382.8	577.8	645.3	617.1	600.5
62.5°	342.3	536.1	600.5	569.8	554.5
65°	304.2	497.5	557.6	526.3	512.2
67.5°	268.0	460.0	516.5	484.6	472.3
70°	234.3	423.8	476.0	444.1	434.3
72.5°	202.4	388.9	436.7	405.4	395.0
75°	172.4	353.9	396.9	358.8	345.3
77.5°	143.5	317.1	355.8	309.8	298.1
80°	114.7	277.2	303.0	259.5	249.6
82.5°	88.3	233.7	245.4	207.9	201.2
85°	62.0	179.7	180.3	150.9	146.0
87.5°	33.7	105.5	100.0	81.6	77.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)