

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: P798313

Luminaire Tested: 24SRC-SCT3-UNV-MID-4000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798313
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-MID-4000K
Description: SkyRidge LED Selectable
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

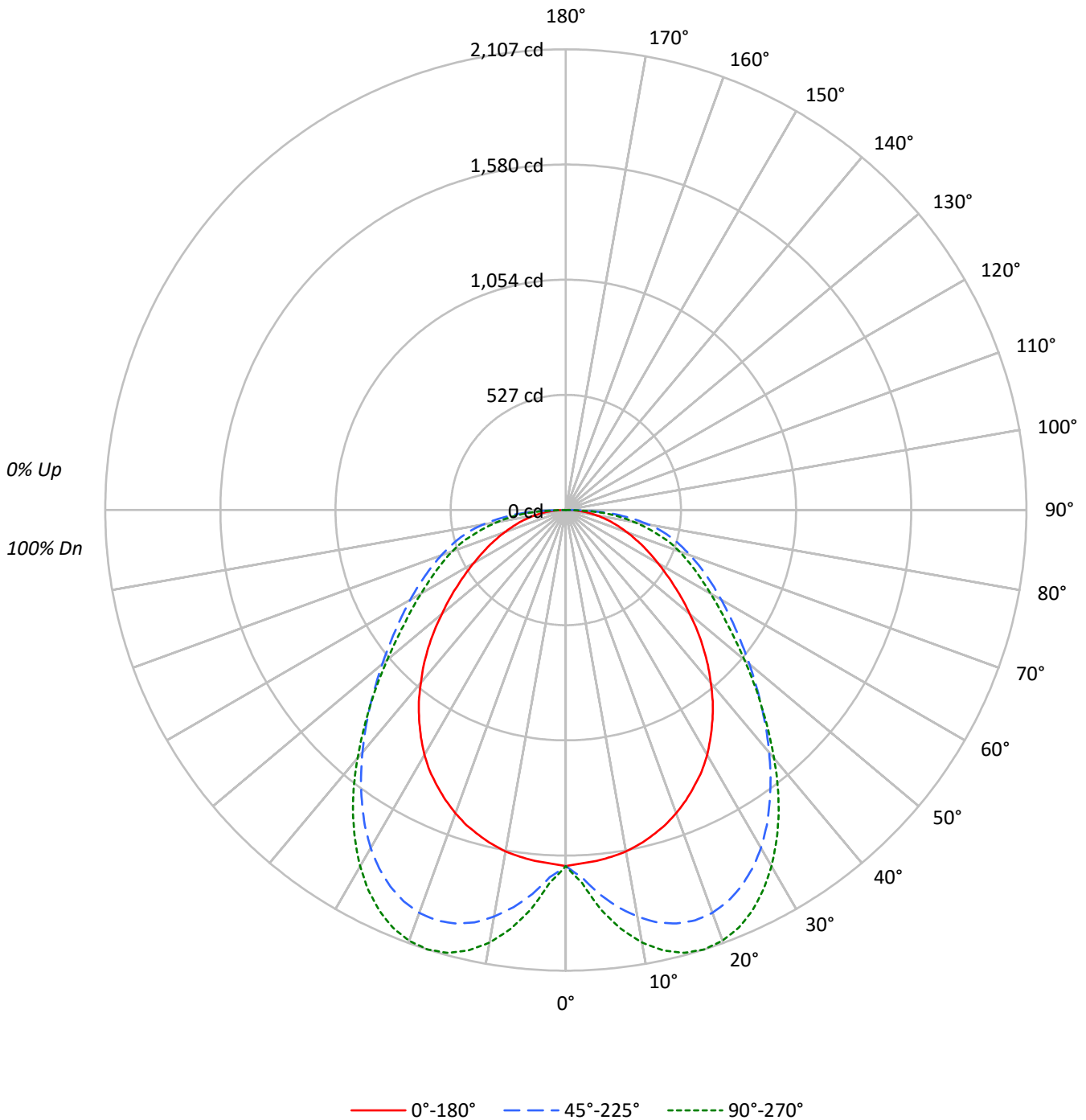
Lumens per Lamp: N/A
Luminaire Lumens: 5503.0 lumens
Efficiency: N/A
Efficacy: 147.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.51 / 1.47
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37.3
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



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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	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°	2192	2192	2192
5°	2176	2381	2476
10°	2167	2579	2745
15°	2144	2727	2920
20°	2113	2807	3001
25°	2067	2820	3000
30°	2009	2773	2924
35°	1921	2671	2788
40°	1812	2541	2603
45°	1691	2407	2407
50°	1548	2293	2233
55°	1421	2224	2105
60°	1311	2210	2057
65°	1233	2260	2076
70°	1173	2384	2175
75°	1141	2626	2285
80°	1131	2989	2462
85°	1218	3545	2868

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 87.5°

Luminance: 4143 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.7	3.1
10°-20°	536.5	9.7
20°-30°	838.5	15.2
30°-40°	970.0	17.6
40°-50°	920.7	16.7
50°-60°	781.3	14.2
60°-70°	628.9	11.4
70°-80°	458.1	8.3
80°-90°	199.3	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°	1544.7	28.1
0°-40°	2514.7	45.7
0°-60°	4216.7	76.6
0°-90°	5503.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5503.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1629	1629	1629	1629	1629	
5°	1611	1695	1763	1801	1833	153
15°	1539	1787	1958	2046	2096	434
25°	1392	1720	1900	1976	2021	641
35°	1170	1482	1626	1679	1698	730
45°	889	1149	1265	1277	1265	684
55°	606	852	948	925	897	544
65°	387	633	710	670	652	385
75°	219	450	505	457	440	233
85°	79	229	230	192	186	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1628.8	1628.8	1628.8	1628.8	1628.8
2.5°	1617.8	1664.7	1681.1	1692.8	1707.6
5°	1610.8	1695.1	1763.1	1800.6	1833.3
7.5°	1599.9	1729.5	1831.8	1889.6	1931.7
10°	1585.8	1758.4	1888.0	1963.0	2009.0
12.5°	1564.7	1778.7	1932.5	2013.7	2063.7
15°	1539.0	1787.3	1957.5	2045.7	2096.5
17.5°	1510.9	1784.9	1967.6	2055.9	2106.6
20°	1475.7	1775.6	1960.6	2044.9	2095.7
22.5°	1436.7	1753.7	1937.2	2017.6	2067.6
25°	1392.2	1720.1	1899.7	1976.2	2020.7
27.5°	1346.9	1675.6	1848.2	1923.1	1957.5
30°	1293.0	1620.2	1784.9	1852.1	1881.8
32.5°	1232.9	1554.6	1710.8	1769.3	1793.5
35°	1169.7	1482.0	1626.4	1678.7	1697.5
37.5°	1104.1	1401.6	1539.0	1581.9	1592.9
40°	1031.5	1317.2	1446.8	1475.7	1482.0
42.5°	962.0	1232.9	1355.5	1379.7	1371.1
45°	888.6	1148.6	1264.9	1276.6	1264.9
47.5°	815.2	1067.4	1177.5	1178.2	1163.4
50°	739.4	991.6	1095.5	1086.9	1066.6
52.5°	673.1	919.0	1018.2	1001.0	977.6
55°	605.9	851.9	947.9	925.3	897.2
57.5°	544.2	791.0	882.3	852.6	830.0
60°	487.2	735.5	821.4	785.5	764.4
62.5°	435.7	682.4	764.4	725.4	705.9
65°	387.3	633.2	709.8	669.9	652.0
67.5°	341.2	585.6	657.4	616.8	601.2
70°	298.3	539.5	605.9	565.3	552.8
72.5°	257.7	495.0	555.9	516.1	502.8
75°	219.4	450.5	505.2	456.8	439.6
77.5°	182.7	403.7	452.9	394.3	379.5
80°	146.0	352.9	385.7	330.3	317.8
82.5°	112.4	297.5	312.3	264.7	256.1
85°	78.9	228.8	229.6	192.1	185.8
87.5°	42.9	134.3	127.3	103.8	98.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)