

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: P798312

Luminaire Tested: 24SRC-SCT3-UNV-MID-3000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798312
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-3000K
Description: SkyRidge LED Selectable
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

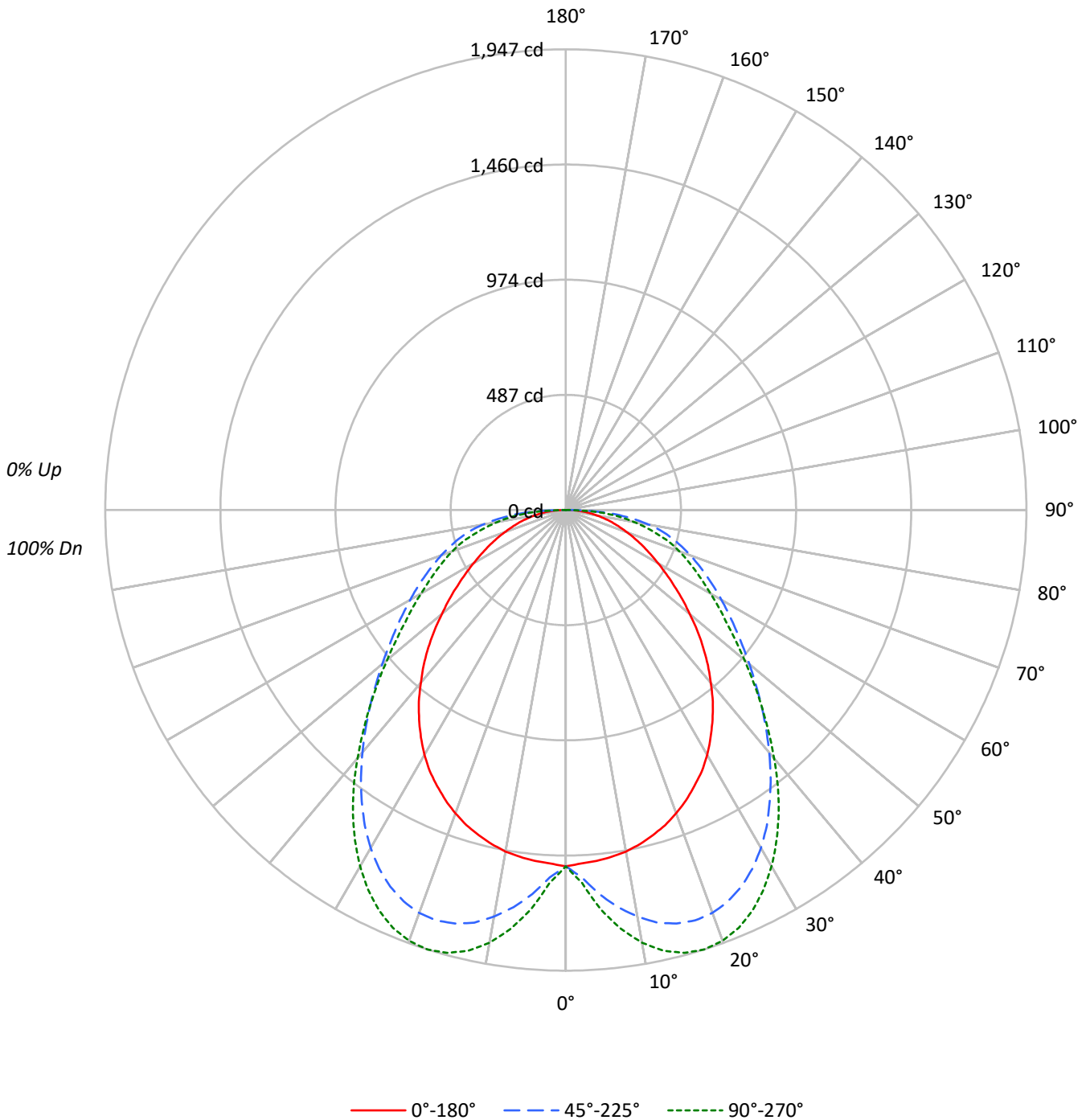
Lumens per Lamp: N/A
Luminaire Lumens: 5086.0 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.51 / 1.47
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 39.1
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				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°	2025	2025	2025
5°	2011	2201	2289
10°	2003	2384	2537
15°	1981	2520	2699
20°	1953	2595	2773
25°	1910	2607	2773
30°	1857	2563	2702
35°	1776	2469	2577
40°	1674	2349	2406
45°	1563	2225	2225
50°	1430	2119	2063
55°	1314	2055	1945
60°	1212	2043	1901
65°	1139	2089	1918
70°	1085	2203	2010
75°	1054	2427	2112
80°	1045	2762	2276
85°	1125	3276	2652

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 87.5°
 Luminance: 3828 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.9	3.1
10°-20°	495.9	9.7
20°-30°	774.9	15.2
30°-40°	896.5	17.6
40°-50°	851.0	16.7
50°-60°	722.1	14.2
60°-70°	581.3	11.4
70°-80°	423.4	8.3
80°-90°	184.2	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°	1427.7	28.1
0°-40°	2324.2	45.7
0°-60°	3897.2	76.6
0°-90°	5086.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5086.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1505	1505	1505	1505	1505	
5°	1489	1567	1630	1664	1694	141
15°	1422	1652	1809	1891	1938	401
25°	1287	1590	1756	1826	1868	592
35°	1081	1370	1503	1552	1569	675
45°	821	1062	1169	1180	1169	633
55°	560	787	876	855	829	503
65°	358	585	656	619	603	356
75°	203	416	467	422	406	215
85°	73	211	212	178	172	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1505.4	1505.4	1505.4	1505.4	1505.4
2.5°	1495.2	1538.5	1553.7	1564.5	1578.2
5°	1488.8	1566.7	1629.5	1664.1	1694.4
7.5°	1478.7	1598.4	1693.0	1746.4	1785.4
10°	1465.7	1625.1	1744.9	1814.2	1856.8
12.5°	1446.2	1643.9	1786.1	1861.1	1907.3
15°	1422.4	1651.8	1809.2	1890.7	1937.6
17.5°	1396.4	1649.7	1818.5	1900.1	1947.0
20°	1363.9	1641.0	1812.1	1890.0	1936.9
22.5°	1327.8	1620.8	1790.4	1864.7	1910.9
25°	1286.7	1589.8	1755.8	1826.5	1867.6
27.5°	1244.8	1548.7	1708.1	1777.4	1809.2
30°	1195.0	1497.4	1649.7	1711.7	1739.2
32.5°	1139.5	1436.8	1581.1	1635.2	1657.6
35°	1081.0	1369.7	1503.2	1551.5	1568.9
37.5°	1020.4	1295.4	1422.4	1462.1	1472.2
40°	953.3	1217.4	1337.2	1363.9	1369.7
42.5°	889.1	1139.5	1252.8	1275.1	1267.2
45°	821.2	1061.5	1169.1	1179.9	1169.1
47.5°	753.4	986.5	1088.2	1089.0	1075.3
50°	683.4	916.5	1012.5	1004.5	985.8
52.5°	622.1	849.4	941.0	925.1	903.5
55°	560.0	787.3	876.1	855.2	829.2
57.5°	503.0	731.0	815.5	788.0	767.1
60°	450.3	679.8	759.2	726.0	706.5
62.5°	402.7	630.7	706.5	670.4	652.4
65°	357.9	585.3	656.0	619.2	602.6
67.5°	315.4	541.2	607.6	570.1	555.7
70°	275.7	498.7	560.0	522.5	510.9
72.5°	238.1	457.5	513.8	477.0	464.7
75°	202.8	416.4	466.9	422.2	406.3
77.5°	168.9	373.1	418.6	364.4	350.7
80°	134.9	326.2	356.5	305.3	293.7
82.5°	103.9	274.9	288.7	244.6	236.7
85°	72.9	211.4	212.2	177.5	171.8
87.5°	39.7	124.1	117.6	96.0	90.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)