

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: P798310

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

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798310
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-4000K
Description: SkyRidge LED Selectable
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

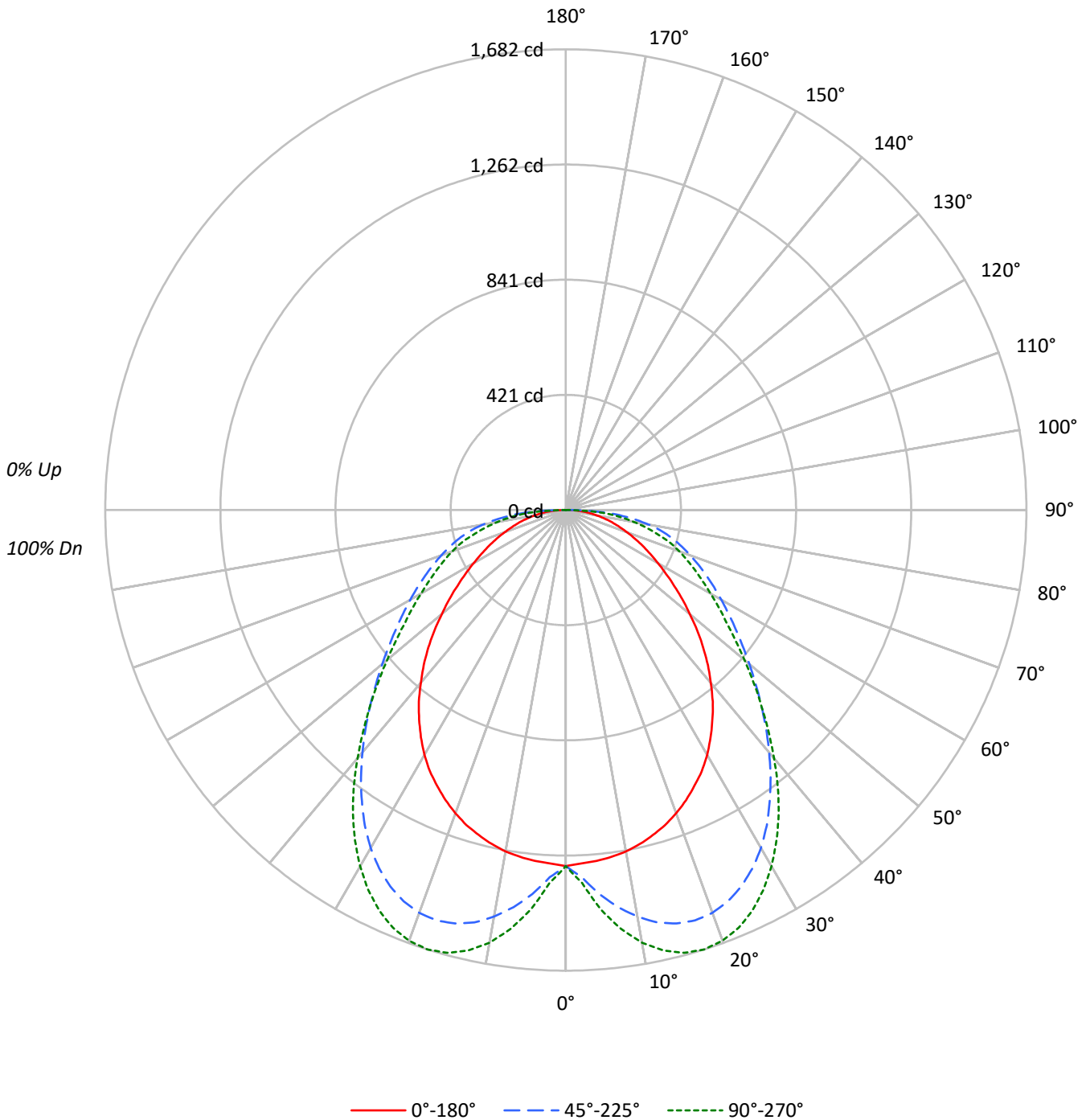
Lumens per Lamp: N/A
Luminaire Lumens: 4393.0 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.51 / 1.47
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 29.1
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				
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°	1749	1749	1749
5°	1737	1901	1977
10°	1730	2059	2191
15°	1711	2177	2331
20°	1687	2241	2395
25°	1650	2251	2395
30°	1604	2214	2334
35°	1534	2133	2226
40°	1446	2029	2078
45°	1350	1921	1921
50°	1236	1831	1782
55°	1135	1775	1680
60°	1047	1764	1642
65°	984	1804	1657
70°	937	1903	1736
75°	911	2097	1824
80°	903	2386	1966
85°	973	2830	2289

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 87.5°

Luminance: 3307 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.5	3.1
10°-20°	428.3	9.7
20°-30°	669.3	15.2
30°-40°	774.3	17.6
40°-50°	735.0	16.7
50°-60°	623.7	14.2
60°-70°	502.1	11.4
70°-80°	365.7	8.3
80°-90°	159.1	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°	1233.1	28.1
0°-40°	2007.5	45.7
0°-60°	3366.2	76.6
0°-90°	4393.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4393.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1300	1300	1300	1300	1300	
5°	1286	1353	1407	1437	1464	122
15°	1229	1427	1563	1633	1674	346
25°	1111	1373	1516	1578	1613	512
35°	934	1183	1298	1340	1355	583
45°	709	917	1010	1019	1010	546
55°	484	680	757	739	716	435
65°	309	506	567	535	520	307
75°	175	360	403	365	351	186
85°	63	183	183	153	148	67
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1300.2	1300.2	1300.2	1300.2	1300.2
2.5°	1291.5	1328.9	1342.0	1351.4	1363.2
5°	1285.9	1353.2	1407.4	1437.4	1463.5
7.5°	1277.2	1380.6	1462.3	1508.4	1542.1
10°	1266.0	1403.7	1507.2	1567.0	1603.8
12.5°	1249.1	1419.9	1542.7	1607.5	1647.4
15°	1228.6	1426.8	1562.7	1633.1	1673.6
17.5°	1206.1	1424.9	1570.8	1641.2	1681.7
20°	1178.1	1417.4	1565.1	1632.5	1673.0
22.5°	1146.9	1400.0	1546.4	1610.7	1650.5
25°	1111.4	1373.2	1516.5	1577.6	1613.1
27.5°	1075.2	1337.6	1475.4	1535.2	1562.7
30°	1032.2	1293.4	1424.9	1478.5	1502.2
32.5°	984.2	1241.0	1365.7	1412.4	1431.8
35°	933.7	1183.1	1298.4	1340.1	1355.1
37.5°	881.4	1118.9	1228.6	1262.8	1271.6
40°	823.4	1051.5	1155.0	1178.1	1183.1
42.5°	767.9	984.2	1082.1	1101.4	1094.5
45°	709.3	916.9	1009.8	1019.1	1009.8
47.5°	650.7	852.1	940.0	940.6	928.7
50°	590.3	791.6	874.5	867.7	851.5
52.5°	537.3	733.6	812.8	799.1	780.4
55°	483.7	680.0	756.7	738.6	716.2
57.5°	434.5	631.4	704.3	680.7	662.6
60°	388.9	587.2	655.7	627.1	610.2
62.5°	347.8	544.8	610.2	579.1	563.5
65°	309.2	505.5	566.6	534.8	520.5
67.5°	272.4	467.5	524.8	492.4	480.0
70°	238.1	430.7	483.7	451.3	441.3
72.5°	205.7	395.2	443.8	412.0	401.4
75°	175.2	359.7	403.3	364.6	350.9
77.5°	145.9	322.3	361.5	314.8	302.9
80°	116.6	281.7	307.9	263.7	253.7
82.5°	89.8	237.5	249.3	211.3	204.4
85°	63.0	182.6	183.3	153.3	148.3
87.5°	34.3	107.2	101.6	82.9	78.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)