

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: P798295

Luminaire Tested: 14SRC-SCT3-UNV-MID-4000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798295
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2311-232-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14SRC-SCT3-UNV-MID-4000K
Description: SkyRidge LED Selectable
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

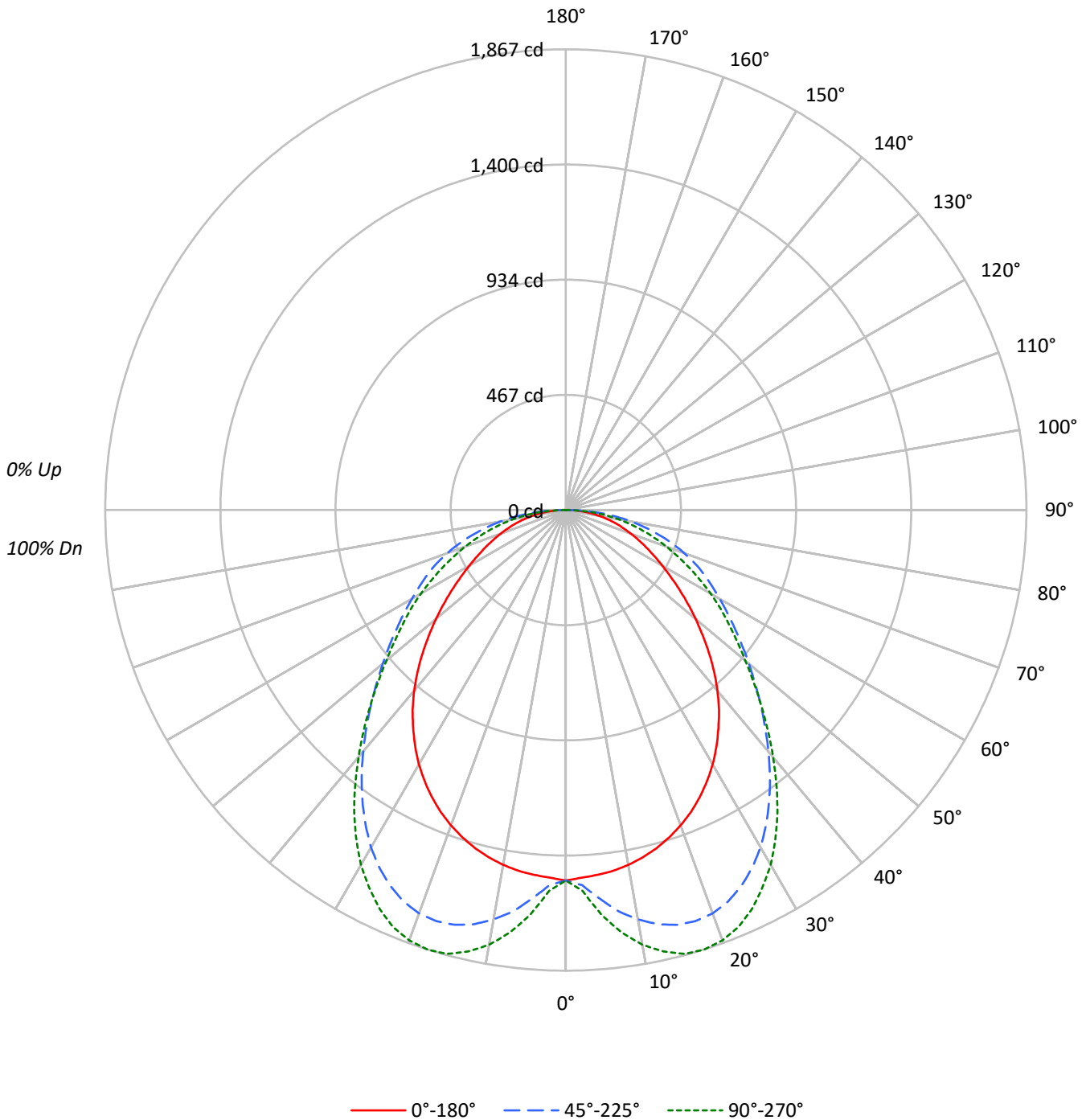
Lumens per Lamp: N/A
Luminaire Lumens: 4800.0 lumens
Efficiency: N/A
Efficacy: 142.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.48 / 1.45
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33.8
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	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	85	85	85	83
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	71	71	71	69
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	61	61	61	59
4	83	71	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	46	46	46	44
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	40	40	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	47	41	36	36	36	36	34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	32	32	32	30
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	29	29	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	27	27	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4040	4040	4040
5°	4008	4271	4443
10°	3991	4601	4888
15°	3953	4849	5187
20°	3895	4982	5314
25°	3812	4993	5298
30°	3700	4906	5159
35°	3543	4723	4913
40°	3359	4488	4590
45°	3125	4250	4262
50°	2873	4055	3976
55°	2635	3923	3783
60°	2435	3879	3651
65°	2292	3940	3506
70°	2216	4017	3406
75°	2185	4085	3368
80°	2151	4193	3367
85°	2180	4310	3415

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 87.5°
 Luminance: 5225 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.2	3.2
10°-20°	480.3	10.0
20°-30°	747.4	15.6
30°-40°	862.3	18.0
40°-50°	818.9	17.1
50°-60°	695.3	14.5
60°-70°	544.5	11.3
70°-80°	363.3	7.6
80°-90°	134.8	2.8
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°	1381.0	28.8
0°-40°	2243.2	46.7
0°-60°	3757.4	78.3
0°-90°	4800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4800.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1501	1501	1501	1501	1501	
5°	1484	1538	1581	1627	1645	141
15°	1419	1602	1740	1830	1862	400
25°	1284	1534	1682	1762	1784	591
35°	1078	1318	1438	1486	1496	674
45°	821	1023	1117	1129	1120	633
55°	562	756	836	820	806	504
65°	360	551	619	570	551	359
75°	210	381	393	336	324	222
85°	71	158	140	114	111	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1501.2	1501.2	1501.2	1501.2	1501.2
2.5°	1491.0	1522.3	1521.5	1541.9	1544.3
5°	1483.9	1538.0	1581.2	1626.6	1644.7
7.5°	1474.5	1561.5	1640.8	1700.4	1725.5
10°	1460.4	1581.9	1683.9	1760.0	1789.0
12.5°	1441.6	1597.6	1719.2	1803.1	1832.9
15°	1418.8	1602.3	1740.4	1829.8	1861.9
17.5°	1391.4	1598.4	1746.6	1836.8	1867.4
20°	1360.0	1586.6	1739.6	1826.6	1855.7
22.5°	1324.7	1566.3	1717.6	1800.8	1829.0
25°	1283.9	1534.1	1681.5	1761.5	1784.3
27.5°	1239.2	1492.5	1635.3	1708.2	1725.5
30°	1190.6	1441.6	1578.8	1643.9	1660.4
32.5°	1136.5	1382.7	1511.4	1568.6	1581.2
35°	1078.4	1317.6	1437.6	1486.3	1495.7
37.5°	1020.4	1246.3	1359.2	1398.4	1402.3
40°	956.1	1172.5	1277.6	1308.2	1306.7
42.5°	889.4	1097.2	1196.1	1218.0	1212.5
45°	821.2	1022.7	1116.8	1128.6	1120.0
47.5°	752.9	949.0	1040.0	1043.9	1032.1
50°	686.3	880.0	968.6	963.9	949.8
52.5°	622.7	816.5	900.4	888.6	874.5
55°	561.6	756.1	836.1	819.6	806.3
57.5°	504.3	701.2	776.5	756.1	743.5
60°	452.5	647.8	720.8	696.5	678.4
62.5°	403.9	598.4	668.2	633.7	613.3
65°	360.0	551.4	618.8	570.2	550.6
67.5°	320.0	505.9	567.8	509.0	490.2
70°	281.6	464.3	510.6	450.2	432.9
72.5°	244.7	422.7	453.3	392.9	377.3
75°	210.2	381.2	392.9	336.5	323.9
77.5°	174.9	338.8	331.8	283.1	270.6
80°	138.8	286.3	270.6	227.4	217.3
82.5°	105.1	226.7	207.1	171.8	166.3
85°	70.6	158.4	139.6	114.5	110.6
87.5°	36.9	84.7	69.8	55.7	54.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)