

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: P798314

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

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798314
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-5000K
Description: SkyRidge LED Selectable
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

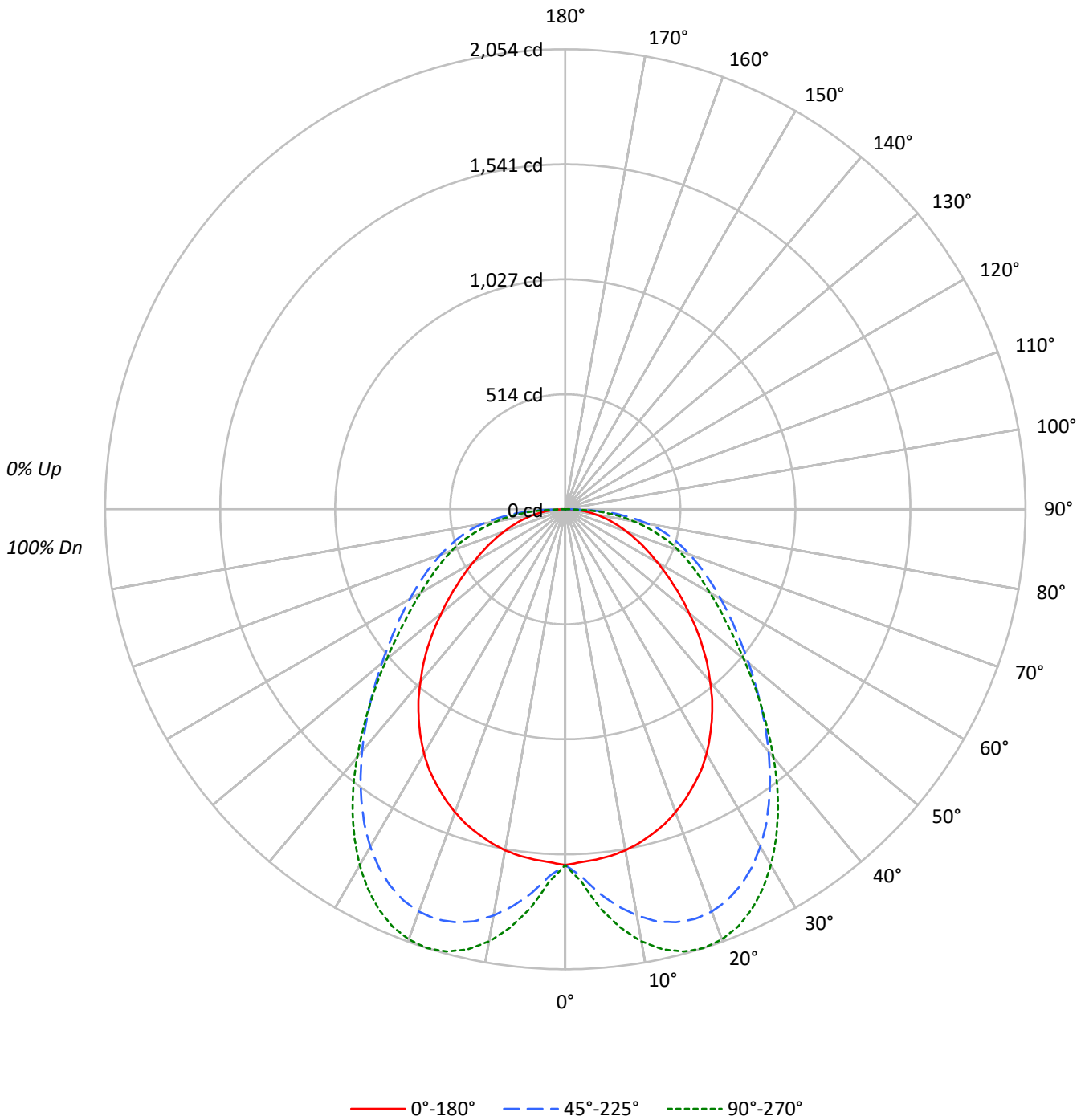
Lumens per Lamp: N/A
Luminaire Lumens: 5366.0 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.51 / 1.47
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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				
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°	2137	2137	2137
5°	2121	2322	2415
10°	2113	2515	2676
15°	2090	2659	2848
20°	2060	2737	2926
25°	2015	2750	2925
30°	1959	2704	2851
35°	1873	2605	2719
40°	1767	2478	2538
45°	1649	2347	2347
50°	1509	2236	2177
55°	1386	2168	2052
60°	1278	2155	2006
65°	1202	2203	2024
70°	1144	2324	2121
75°	1112	2561	2229
80°	1103	2914	2401
85°	1187	3455	2797

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 87.5°
 Luminance: 4041 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.5	3.1
10°-20°	523.2	9.7
20°-30°	817.6	15.2
30°-40°	945.8	17.6
40°-50°	897.8	16.7
50°-60°	761.8	14.2
60°-70°	613.3	11.4
70°-80°	446.6	8.3
80°-90°	194.3	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°	1506.3	28.1
0°-40°	2452.1	45.7
0°-60°	4111.8	76.6
0°-90°	5366.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5366.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1588	1588	1588	1588	1588	
5°	1571	1653	1719	1756	1788	149
15°	1501	1743	1909	1995	2044	423
25°	1358	1677	1852	1927	1970	625
35°	1140	1445	1586	1637	1655	712
45°	866	1120	1233	1245	1233	667
55°	591	831	924	902	875	531
65°	378	618	692	653	636	376
75°	214	439	493	445	429	227
85°	77	223	224	187	181	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1588.2	1588.2	1588.2	1588.2	1588.2
2.5°	1577.6	1623.3	1639.2	1650.7	1665.1
5°	1570.7	1652.9	1719.2	1755.7	1787.7
7.5°	1560.1	1686.4	1786.2	1842.5	1883.6
10°	1546.4	1714.6	1841.0	1914.1	1959.0
12.5°	1525.8	1734.4	1884.4	1963.6	2012.3
15°	1500.7	1742.8	1908.8	1994.8	2044.3
17.5°	1473.3	1740.5	1918.7	2004.7	2054.2
20°	1439.0	1731.4	1911.8	1994.0	2043.5
22.5°	1400.9	1710.0	1889.0	1967.4	2016.1
25°	1357.5	1677.3	1852.4	1927.0	1970.4
27.5°	1313.4	1633.9	1802.2	1875.3	1908.8
30°	1260.8	1579.9	1740.5	1806.0	1834.9
32.5°	1202.2	1515.9	1668.2	1725.3	1748.9
35°	1140.5	1445.1	1585.9	1637.0	1655.2
37.5°	1076.6	1366.7	1500.7	1542.5	1553.2
40°	1005.8	1284.4	1410.8	1439.0	1445.1
42.5°	938.0	1202.2	1321.7	1345.3	1337.0
45°	866.4	1120.0	1233.4	1244.8	1233.4
47.5°	794.9	1040.8	1148.2	1148.9	1134.4
50°	721.0	966.9	1068.2	1059.8	1040.0
52.5°	656.3	896.1	992.8	976.1	953.2
55°	590.8	830.7	924.3	902.2	874.8
57.5°	530.7	771.3	860.4	831.4	809.3
60°	475.1	717.2	801.0	765.9	745.4
62.5°	424.8	665.4	745.4	707.3	688.3
65°	377.6	617.5	692.1	653.3	635.7
67.5°	332.7	571.0	641.1	601.5	586.3
70°	290.8	526.1	590.8	551.2	539.1
72.5°	251.3	482.7	542.1	503.3	490.3
75°	213.9	439.3	492.6	445.4	428.7
77.5°	178.2	393.6	441.6	384.5	370.0
80°	142.4	344.1	376.1	322.1	309.9
82.5°	109.6	290.1	304.5	258.1	249.7
85°	76.9	223.1	223.8	187.3	181.2
87.5°	41.9	131.0	124.1	101.3	95.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)