

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: P798288

Luminaire Tested: 14SRC-SCT3-UNV-HIGH-3000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798288
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-HIGH-3000K
Description: SkyRidge LED Selectable
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

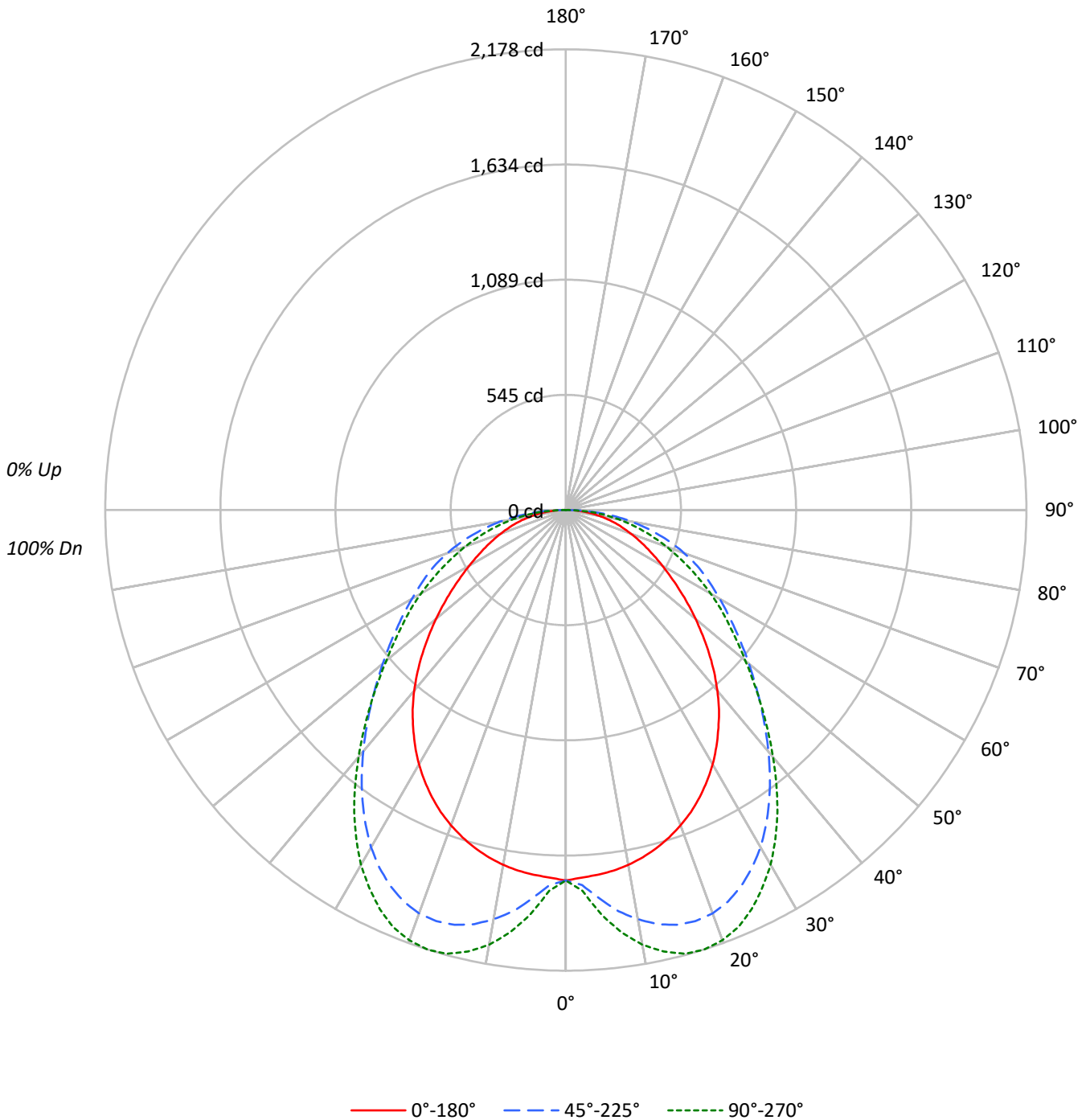
Lumens per Lamp: N/A
Luminaire Lumens: 5599.0 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.48 / 1.45
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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°	4712	4712	4712
5°	4676	4982	5182
10°	4655	5367	5702
15°	4611	5656	6051
20°	4543	5811	6199
25°	4447	5824	6180
30°	4315	5722	6018
35°	4132	5509	5731
40°	3918	5235	5354
45°	3645	4958	4972
50°	3351	4730	4638
55°	3073	4575	4412
60°	2841	4525	4259
65°	2674	4596	4089
70°	2584	4686	3973
75°	2549	4765	3928
80°	2509	4891	3927
85°	2541	5027	3983

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 87.5°
 Luminance: 6095 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.7	3.2
10°-20°	560.2	10.0
20°-30°	871.9	15.6
30°-40°	1005.8	18.0
40°-50°	955.2	17.1
50°-60°	811.0	14.5
60°-70°	635.2	11.3
70°-80°	423.8	7.6
80°-90°	157.2	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°	1610.9	28.8
0°-40°	2616.6	46.7
0°-60°	4382.8	78.3
0°-90°	5599.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5599.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1751	1751	1751	1751	1751	
5°	1731	1794	1844	1897	1918	164
15°	1655	1869	2030	2134	2172	466
25°	1498	1790	1962	2055	2081	689
35°	1258	1537	1677	1734	1745	786
45°	958	1193	1303	1316	1306	738
55°	655	882	975	956	940	588
65°	420	643	722	665	642	419
75°	245	445	458	392	378	258
85°	82	185	163	134	129	89
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1751.0	1751.0	1751.0	1751.0	1751.0
2.5°	1739.1	1775.7	1774.8	1798.6	1801.4
5°	1730.9	1794.0	1844.4	1897.4	1918.5
7.5°	1719.9	1821.5	1913.9	1983.4	2012.7
10°	1703.5	1845.3	1964.2	2052.9	2086.8
12.5°	1681.5	1863.6	2005.4	2103.3	2138.0
15°	1655.0	1869.1	2030.1	2134.4	2171.9
17.5°	1623.0	1864.5	2037.4	2142.6	2178.3
20°	1586.4	1850.8	2029.2	2130.7	2164.6
22.5°	1545.2	1827.0	2003.5	2100.5	2133.4
25°	1497.6	1789.5	1961.5	2054.8	2081.3
27.5°	1445.5	1741.0	1907.5	1992.6	2012.7
30°	1388.8	1681.5	1841.6	1917.5	1936.8
32.5°	1325.6	1612.9	1762.9	1829.7	1844.4
35°	1257.9	1537.0	1676.9	1733.7	1744.6
37.5°	1190.2	1453.7	1585.4	1631.2	1635.8
40°	1115.2	1367.7	1490.3	1526.0	1524.2
42.5°	1037.4	1279.9	1395.2	1420.8	1414.4
45°	957.9	1193.0	1302.8	1316.5	1306.4
47.5°	878.3	1107.0	1213.1	1217.7	1204.0
50°	800.5	1026.5	1129.8	1124.4	1107.9
52.5°	726.4	952.4	1050.3	1036.5	1020.1
55°	655.0	881.9	975.2	956.0	940.5
57.5°	588.3	817.9	905.7	881.9	867.3
60°	527.9	755.7	840.8	812.4	791.4
62.5°	471.2	698.0	779.5	739.2	715.4
65°	419.9	643.1	721.8	665.1	642.2
67.5°	373.3	590.1	662.4	593.7	571.8
70°	328.4	541.6	595.6	525.1	505.0
72.5°	285.4	493.1	528.8	458.3	440.0
75°	245.2	444.6	458.3	392.5	377.8
77.5°	204.0	395.2	387.0	330.3	315.6
80°	161.9	333.9	315.6	265.3	253.4
82.5°	122.6	264.4	241.5	200.4	193.9
85°	82.3	184.8	162.8	133.6	129.0
87.5°	43.0	98.8	81.4	65.0	64.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)