

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: P798292

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

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798292  
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-LOW-4000K  
Description: SkyRidge LED Selectable  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

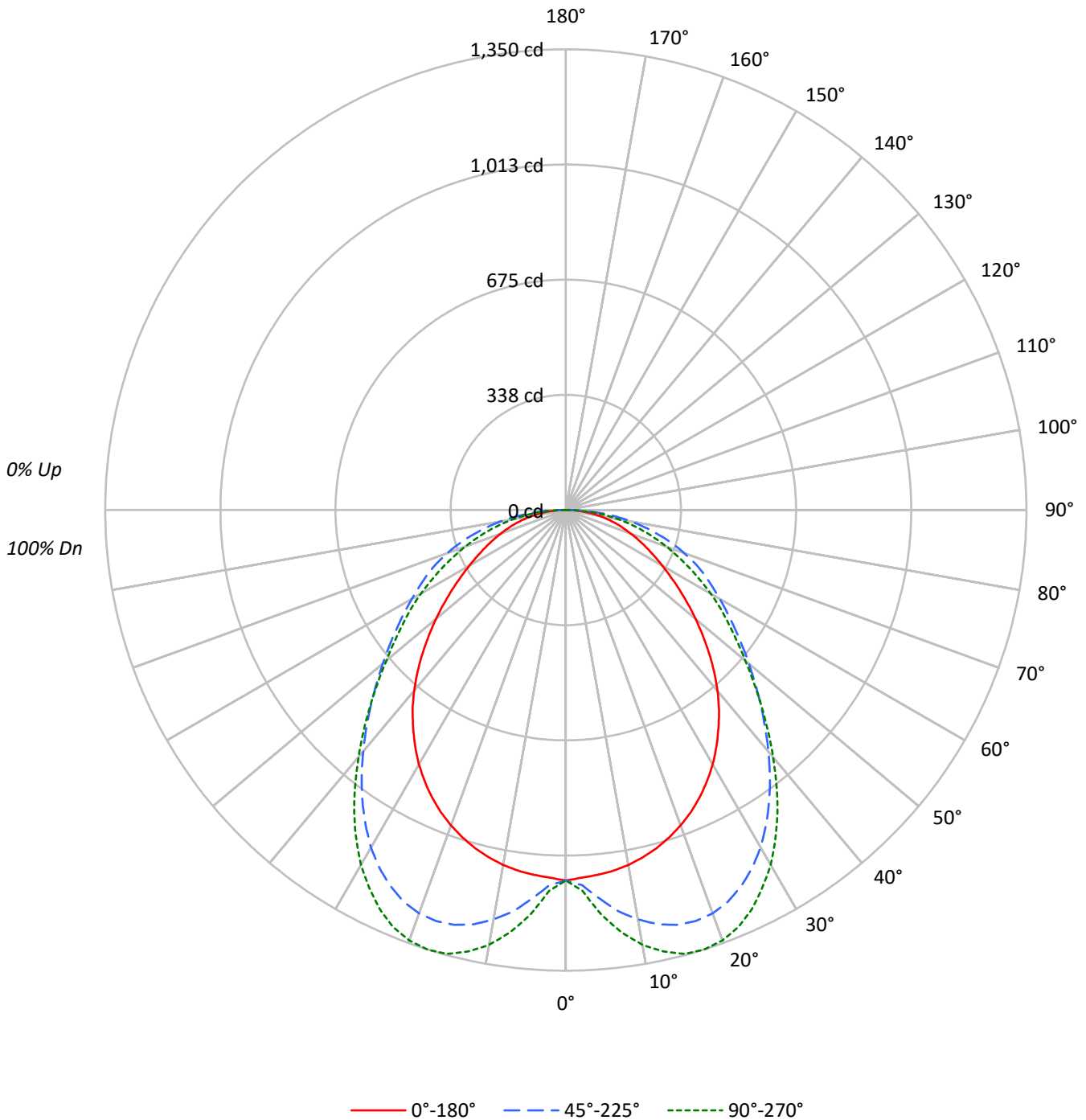
Lumens per Lamp: N/A  
Luminaire Lumens: 3471.0 lumens  
Efficiency: N/A  
Efficacy: 145.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.48 / 1.45  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 23.9  
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	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°	2921	2921	2921
5°	2898	3089	3213
10°	2886	3327	3535
15°	2858	3506	3751
20°	2816	3602	3843
25°	2757	3611	3831
30°	2675	3548	3731
35°	2562	3415	3553
40°	2429	3245	3319
45°	2260	3073	3082
50°	2078	2932	2875
55°	1905	2837	2735
60°	1761	2805	2640
65°	1657	2849	2535
70°	1602	2905	2463
75°	1580	2954	2435
80°	1556	3033	2435
85°	1575	3118	2470

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 87.5°  
 Luminance: 3782 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.8	3.2
10°-20°	347.3	10.0
20°-30°	540.5	15.6
30°-40°	623.5	18.0
40°-50°	592.1	17.1
50°-60°	502.8	14.5
60°-70°	393.8	11.3
70°-80°	262.7	7.6
80°-90°	97.5	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°	998.6	28.8
0°-40°	1622.1	46.7
0°-60°	2717.0	78.3
0°-90°	3471.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3471.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1086	1086	1086	1086	1086	
5°	1073	1112	1143	1176	1189	102
15°	1026	1159	1258	1323	1346	289
25°	928	1109	1216	1274	1290	427
35°	780	953	1040	1075	1082	487
45°	594	740	808	816	810	458
55°	406	547	605	593	583	365
65°	260	399	448	412	398	260
75°	152	276	284	243	234	160
85°	51	115	101	83	80	55
90°	0	0	0	0	0	



TEST NUMBER: P798292

CATALOG NUMBER: 14SRC-SCT3-UNV-LOW-400K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1085.5	1085.5	1085.5	1085.5	1085.5
2.5°	1078.2	1100.8	1100.3	1115.0	1116.7
5°	1073.0	1112.2	1143.4	1176.3	1189.3
7.5°	1066.2	1129.2	1186.5	1229.6	1247.7
10°	1056.0	1143.9	1217.7	1272.7	1293.7
12.5°	1042.4	1155.3	1243.2	1303.9	1325.4
15°	1026.0	1158.7	1258.5	1323.2	1346.4
17.5°	1006.1	1155.9	1263.0	1328.3	1350.4
20°	983.4	1147.3	1257.9	1320.9	1341.9
22.5°	957.9	1132.6	1242.1	1302.2	1322.6
25°	928.4	1109.3	1216.0	1273.8	1290.3
27.5°	896.1	1079.3	1182.5	1235.3	1247.7
30°	860.9	1042.4	1141.7	1188.7	1200.7
32.5°	821.8	999.9	1092.9	1134.3	1143.4
35°	779.8	952.8	1039.6	1074.7	1081.6
37.5°	737.9	901.2	982.9	1011.2	1014.1
40°	691.4	847.9	923.9	946.0	944.9
42.5°	643.1	793.4	864.9	880.8	876.8
45°	593.8	739.6	807.6	816.1	809.9
47.5°	544.5	686.3	752.0	754.9	746.4
50°	496.3	636.3	700.4	697.0	686.8
52.5°	450.3	590.4	651.1	642.6	632.4
55°	406.1	546.7	604.6	592.7	583.0
57.5°	364.7	507.0	561.5	546.7	537.7
60°	327.2	468.5	521.2	503.6	490.6
62.5°	292.1	432.7	483.2	458.3	443.5
65°	260.3	398.7	447.5	412.3	398.1
67.5°	231.4	365.8	410.6	368.1	354.5
70°	203.6	335.8	369.2	325.5	313.1
72.5°	177.0	305.7	327.8	284.1	272.8
75°	152.0	275.6	284.1	243.3	234.2
77.5°	126.5	245.0	239.9	204.7	195.7
80°	100.4	207.0	195.7	164.5	157.1
82.5°	76.0	163.9	149.7	124.2	120.2
85°	51.0	114.6	101.0	82.8	80.0
87.5°	26.7	61.3	50.5	40.3	39.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)