

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: P798307

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

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798307
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-HIGH-4000K
Description: SkyRidge LED Selectable
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

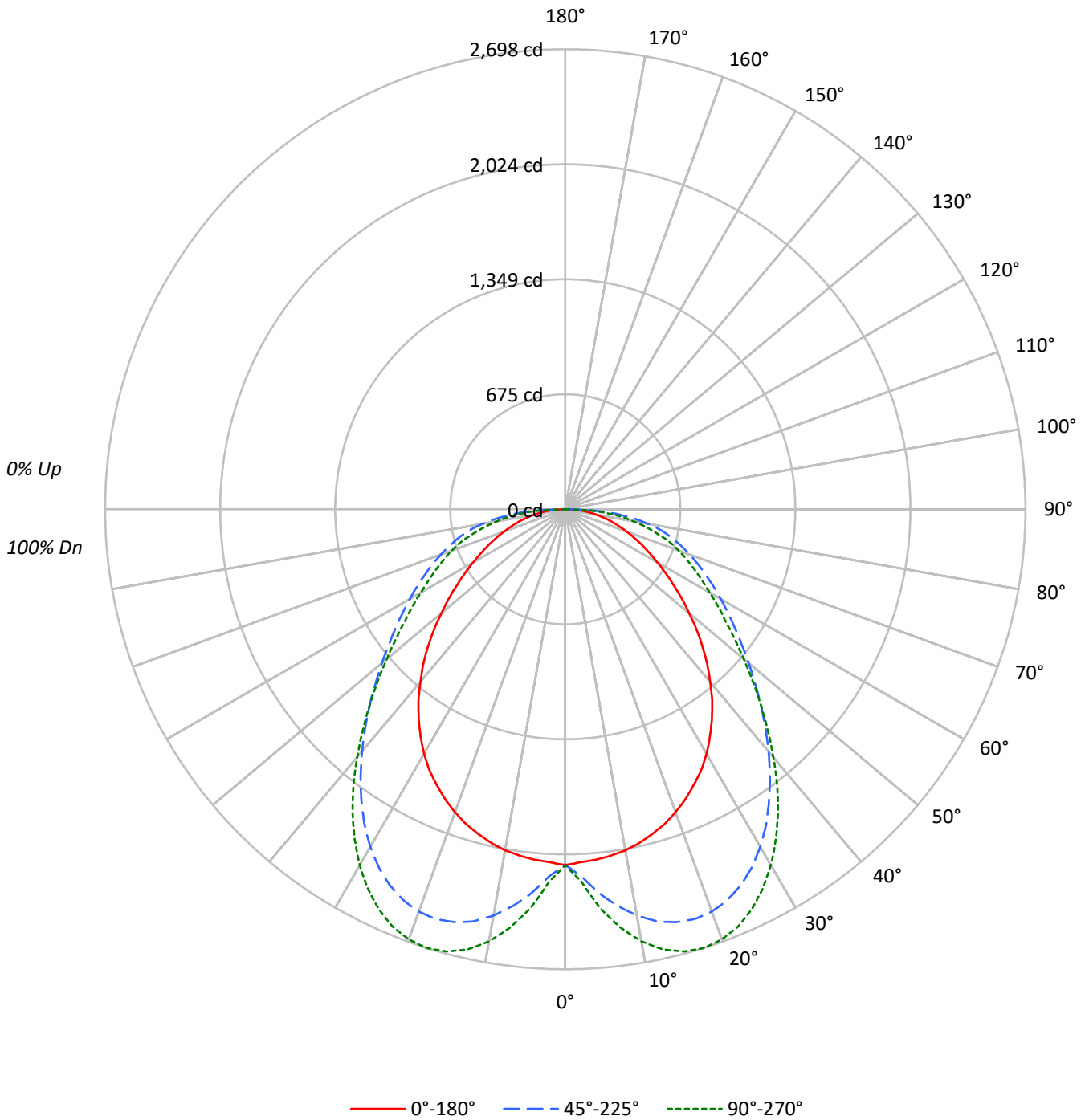
Lumens per Lamp: N/A
Luminaire Lumens: 7048.0 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.51 / 1.47
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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				
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°	2807	2807	2807
5°	2786	3050	3171
10°	2775	3304	3515
15°	2746	3492	3740
20°	2706	3595	3843
25°	2647	3612	3842
30°	2573	3552	3744
35°	2461	3422	3571
40°	2320	3255	3334
45°	2165	3083	3083
50°	1982	2937	2859
55°	1820	2848	2695
60°	1679	2831	2634
65°	1579	2894	2658
70°	1503	3053	2785
75°	1461	3363	2927
80°	1449	3828	3154
85°	1559	4539	3674

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 87.5°

Luminance: 5306 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.4	3.1
10°-20°	687.2	9.7
20°-30°	1073.9	15.2
30°-40°	1242.3	17.6
40°-50°	1179.2	16.7
50°-60°	1000.6	14.2
60°-70°	805.5	11.4
70°-80°	586.6	8.3
80°-90°	255.2	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°	1978.5	28.1
0°-40°	3220.8	45.7
0°-60°	5400.6	76.6
0°-90°	7048.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7048.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2086	2086	2086	2086	2086	
5°	2063	2171	2258	2306	2348	196
15°	1971	2289	2507	2620	2685	556
25°	1783	2203	2433	2531	2588	821
35°	1498	1898	2083	2150	2174	935
45°	1138	1471	1620	1635	1620	877
55°	776	1091	1214	1185	1149	697
65°	496	811	909	858	835	493
75°	281	577	647	585	563	298
85°	101	293	294	246	238	107
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2086.1	2086.1	2086.1	2086.1	2086.1
2.5°	2072.1	2132.1	2153.1	2168.1	2187.1
5°	2063.1	2171.1	2258.1	2306.1	2348.1
7.5°	2049.1	2215.1	2346.1	2420.1	2474.1
10°	2031.1	2252.1	2418.1	2514.1	2573.1
12.5°	2004.1	2278.1	2475.1	2579.1	2643.1
15°	1971.1	2289.1	2507.1	2620.1	2685.1
17.5°	1935.1	2286.1	2520.1	2633.1	2698.1
20°	1890.1	2274.1	2511.1	2619.1	2684.1
22.5°	1840.1	2246.1	2481.1	2584.1	2648.1
25°	1783.1	2203.1	2433.1	2531.1	2588.1
27.5°	1725.1	2146.1	2367.1	2463.1	2507.1
30°	1656.1	2075.1	2286.1	2372.1	2410.1
32.5°	1579.0	1991.1	2191.1	2266.1	2297.1
35°	1498.0	1898.1	2083.1	2150.1	2174.1
37.5°	1414.0	1795.1	1971.1	2026.1	2040.1
40°	1321.0	1687.1	1853.1	1890.1	1898.1
42.5°	1232.0	1579.0	1736.1	1767.1	1756.1
45°	1138.0	1471.0	1620.1	1635.1	1620.1
47.5°	1044.0	1367.0	1508.0	1509.0	1490.0
50°	947.0	1270.0	1403.0	1392.0	1366.0
52.5°	862.0	1177.0	1304.0	1282.0	1252.0
55°	776.0	1091.0	1214.0	1185.0	1149.0
57.5°	697.0	1013.0	1130.0	1092.0	1063.0
60°	624.0	942.0	1052.0	1006.0	979.0
62.5°	558.0	874.0	979.0	929.0	904.0
65°	496.0	811.0	909.0	858.0	835.0
67.5°	437.0	750.0	842.0	790.0	770.0
70°	382.0	691.0	776.0	724.0	708.0
72.5°	330.0	634.0	712.0	661.0	644.0
75°	281.0	577.0	647.0	585.0	563.0
77.5°	234.0	517.0	580.0	505.0	486.0
80°	187.0	452.0	494.0	423.0	407.0
82.5°	144.0	381.0	400.0	339.0	328.0
85°	101.0	293.0	294.0	246.0	238.0
87.5°	55.0	172.0	163.0	133.0	126.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)