

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: P798308

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

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798308
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-5000K
Description: SkyRidge LED Selectable
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

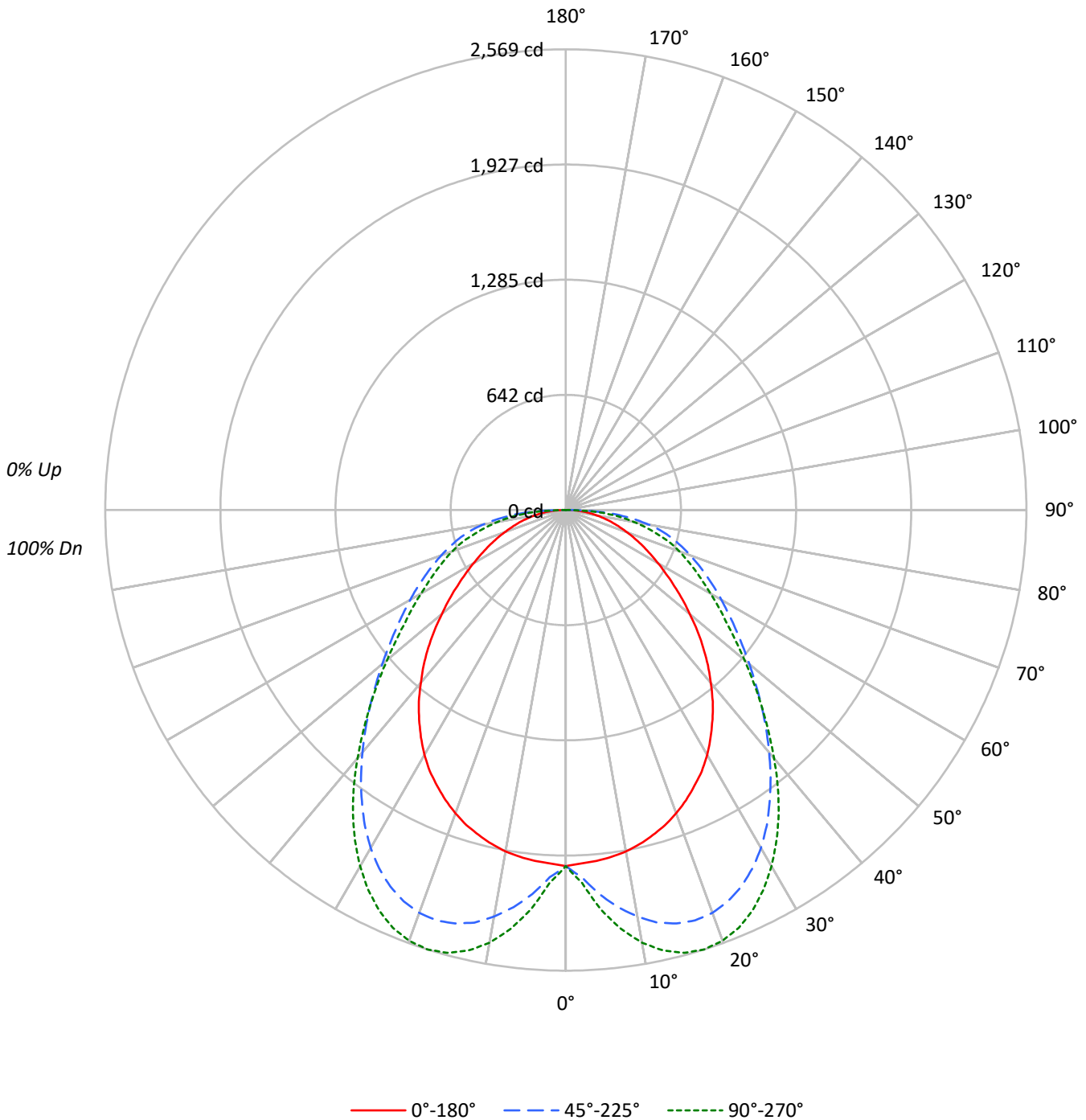
Lumens per Lamp: N/A
Luminaire Lumens: 6710.0 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.51 / 1.47
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 52.7
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	100				100
1	108	103	98	94	105	101	96	93	96	93	90	92	89	87	89	86	84	82				82
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68				68
3	89	79	70	64	87	77	69	63	74	67	62	71	65	61	69	64	60	57				57
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49				49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	49	45	43				43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37				37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33				33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30				30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27				27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2672	2672	2672
5°	2653	2904	3019
10°	2642	3145	3347
15°	2614	3325	3561
20°	2576	3423	3659
25°	2520	3439	3658
30°	2449	3381	3565
35°	2343	3257	3400
40°	2209	3099	3174
45°	2062	2935	2935
50°	1887	2796	2722
55°	1733	2711	2566
60°	1599	2695	2508
65°	1503	2755	2531
70°	1431	2906	2652
75°	1391	3202	2786
80°	1379	3644	3002
85°	1485	4321	3498

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 87.5°
 Luminance: 5053 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.0	3.1
10°-20°	654.2	9.7
20°-30°	1022.4	15.2
30°-40°	1182.7	17.6
40°-50°	1122.7	16.7
50°-60°	952.7	14.2
60°-70°	766.9	11.4
70°-80°	558.5	8.3
80°-90°	243.0	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°	1883.5	28.1
0°-40°	3066.3	45.7
0°-60°	5141.6	76.6
0°-90°	6710.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6710.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1986	1986	1986	1986	1986	
5°	1964	2067	2150	2196	2236	187
15°	1876	2179	2387	2494	2556	529
25°	1698	2097	2316	2410	2464	782
35°	1426	1807	1983	2047	2070	890
45°	1084	1400	1542	1557	1542	835
55°	739	1039	1156	1128	1094	664
65°	472	772	865	817	795	470
75°	268	549	616	557	536	284
85°	96	279	280	234	227	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1986.0	1986.0	1986.0	1986.0	1986.0
2.5°	1972.7	2029.8	2049.8	2064.1	2082.2
5°	1964.1	2067.0	2149.8	2195.5	2235.5
7.5°	1950.8	2108.8	2233.6	2304.0	2355.4
10°	1933.7	2144.1	2302.1	2393.5	2449.7
12.5°	1908.0	2168.8	2356.4	2455.4	2516.3
15°	1876.5	2179.3	2386.8	2494.4	2556.3
17.5°	1842.3	2176.4	2399.2	2506.8	2568.7
20°	1799.4	2165.0	2390.7	2493.5	2555.4
22.5°	1751.8	2138.4	2362.1	2460.2	2521.1
25°	1697.5	2097.4	2316.4	2409.7	2464.0
27.5°	1642.3	2043.1	2253.6	2345.0	2386.8
30°	1576.6	1975.6	2176.4	2258.3	2294.5
32.5°	1503.3	1895.6	2086.0	2157.4	2186.9
35°	1426.2	1807.0	1983.2	2047.0	2069.8
37.5°	1346.2	1709.0	1876.5	1928.9	1942.2
40°	1257.7	1606.1	1764.2	1799.4	1807.0
42.5°	1173.0	1503.3	1652.8	1682.3	1671.8
45°	1083.5	1400.5	1542.4	1556.6	1542.4
47.5°	994.0	1301.5	1435.7	1436.7	1418.6
50°	901.6	1209.1	1335.8	1325.3	1300.5
52.5°	820.7	1120.6	1241.5	1220.6	1192.0
55°	738.8	1038.7	1155.8	1128.2	1093.9
57.5°	663.6	964.4	1075.8	1039.7	1012.1
60°	594.1	896.9	1001.6	957.8	932.1
62.5°	531.3	832.1	932.1	884.5	860.7
65°	472.2	772.1	865.4	816.9	795.0
67.5°	416.1	714.1	801.6	752.1	733.1
70°	363.7	657.9	738.8	689.3	674.1
72.5°	314.2	603.6	677.9	629.3	613.1
75°	267.5	549.3	616.0	557.0	536.0
77.5°	222.8	492.2	552.2	480.8	462.7
80°	178.0	430.3	470.3	402.7	387.5
82.5°	137.1	362.7	380.8	322.8	312.3
85°	96.2	279.0	279.9	234.2	226.6
87.5°	52.4	163.8	155.2	126.6	120.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)