

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: P798306

Luminaire Tested: 24SRC-SCT3-UNV-HIGH-3000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798306
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-3000K
Description: SkyRidge LED Selectable
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

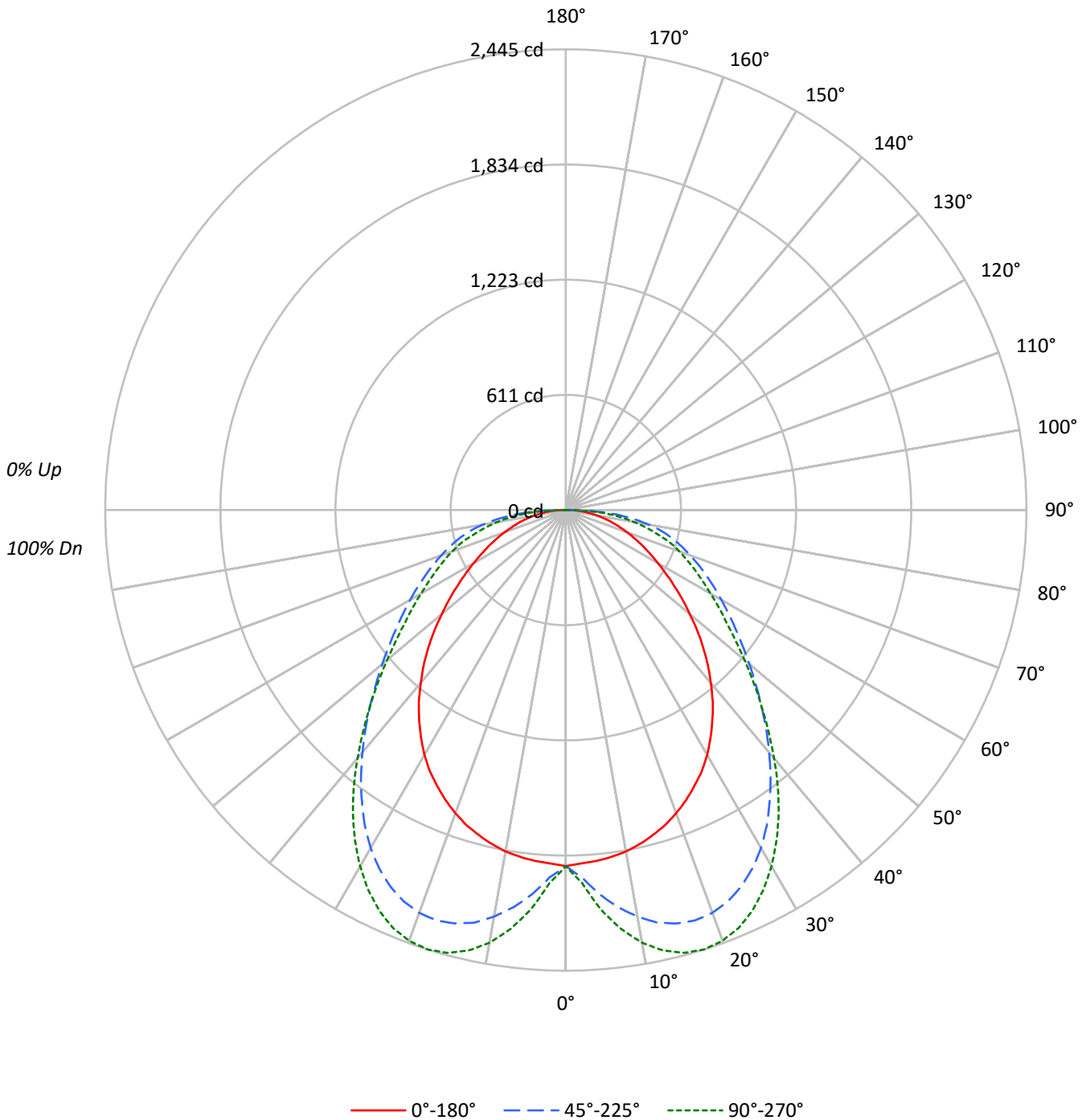
Lumens per Lamp: N/A
Luminaire Lumens: 6386.0 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.51 / 1.47
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 52.6
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	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°	2543	2543	2543
5°	2525	2763	2873
10°	2514	2993	3185
15°	2488	3164	3389
20°	2452	3258	3482
25°	2398	3273	3481
30°	2331	3218	3393
35°	2229	3100	3236
40°	2102	2949	3021
45°	1962	2793	2793
50°	1796	2661	2591
55°	1649	2580	2442
60°	1521	2565	2387
65°	1431	2622	2409
70°	1362	2766	2524
75°	1324	3047	2652
80°	1313	3468	2858
85°	1413	4113	3330

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 87.5°

Luminance: 4806 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.0	3.1
10°-20°	622.6	9.7
20°-30°	973.0	15.2
30°-40°	1125.6	17.6
40°-50°	1068.5	16.7
50°-60°	906.7	14.2
60°-70°	729.8	11.4
70°-80°	531.5	8.3
80°-90°	231.2	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°	1792.6	28.1
0°-40°	2918.2	45.7
0°-60°	4893.4	76.6
0°-90°	6386.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6386.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1890	1890	1890	1890	1890	
5°	1869	1967	2046	2090	2128	178
15°	1786	2074	2272	2374	2433	504
25°	1616	1996	2204	2293	2345	744
35°	1357	1720	1887	1948	1970	847
45°	1031	1333	1468	1482	1468	794
55°	703	989	1100	1074	1041	632
65°	449	735	824	777	757	447
75°	255	523	586	530	510	270
85°	92	266	266	223	216	97
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1890.1	1890.1	1890.1	1890.1	1890.1
2.5°	1877.4	1931.8	1950.8	1964.4	1981.6
5°	1869.3	1967.1	2046.0	2089.5	2127.5
7.5°	1856.6	2007.0	2125.7	2192.8	2241.7
10°	1840.3	2040.5	2191.0	2277.9	2331.4
12.5°	1815.8	2064.1	2242.6	2336.8	2394.8
15°	1785.9	2074.1	2271.6	2374.0	2432.9
17.5°	1753.3	2071.3	2283.4	2385.8	2444.7
20°	1712.5	2060.5	2275.2	2373.1	2432.0
22.5°	1667.2	2035.1	2248.0	2341.4	2399.4
25°	1615.6	1996.1	2204.5	2293.3	2345.0
27.5°	1563.0	1944.5	2144.7	2231.7	2271.6
30°	1500.5	1880.2	2071.3	2149.3	2183.7
32.5°	1430.7	1804.0	1985.3	2053.2	2081.3
35°	1357.3	1719.8	1887.4	1948.1	1969.9
37.5°	1281.2	1626.5	1785.9	1835.8	1848.4
40°	1197.0	1528.6	1679.0	1712.5	1719.8
42.5°	1116.3	1430.7	1573.0	1601.1	1591.1
45°	1031.1	1332.9	1467.9	1481.5	1467.9
47.5°	946.0	1238.6	1366.4	1367.3	1350.1
50°	858.1	1150.7	1271.3	1261.3	1237.7
52.5°	781.1	1066.5	1181.6	1161.6	1134.4
55°	703.1	988.6	1100.0	1073.7	1041.1
57.5°	631.6	917.9	1023.9	989.5	963.2
60°	565.4	853.5	953.2	911.5	887.1
62.5°	505.6	791.9	887.1	841.8	819.1
65°	449.4	734.8	823.6	777.4	756.6
67.5°	396.0	679.6	762.9	715.8	697.7
70°	346.1	626.1	703.1	656.0	641.5
72.5°	299.0	574.5	645.1	598.9	583.5
75°	254.6	522.8	586.2	530.1	510.1
77.5°	212.0	468.5	525.5	457.6	440.4
80°	169.4	409.6	447.6	383.3	368.8
82.5°	130.5	345.2	362.4	307.2	297.2
85°	91.5	265.5	266.4	222.9	215.7
87.5°	49.8	155.8	147.7	120.5	114.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)