

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: P798303

Luminaire Tested: 22SRC-SCT3-UNV-MID-3000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2311-232-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22SRC-SCT3-UNV-MID-3000K
Description: SkyRidge LED Selectable
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

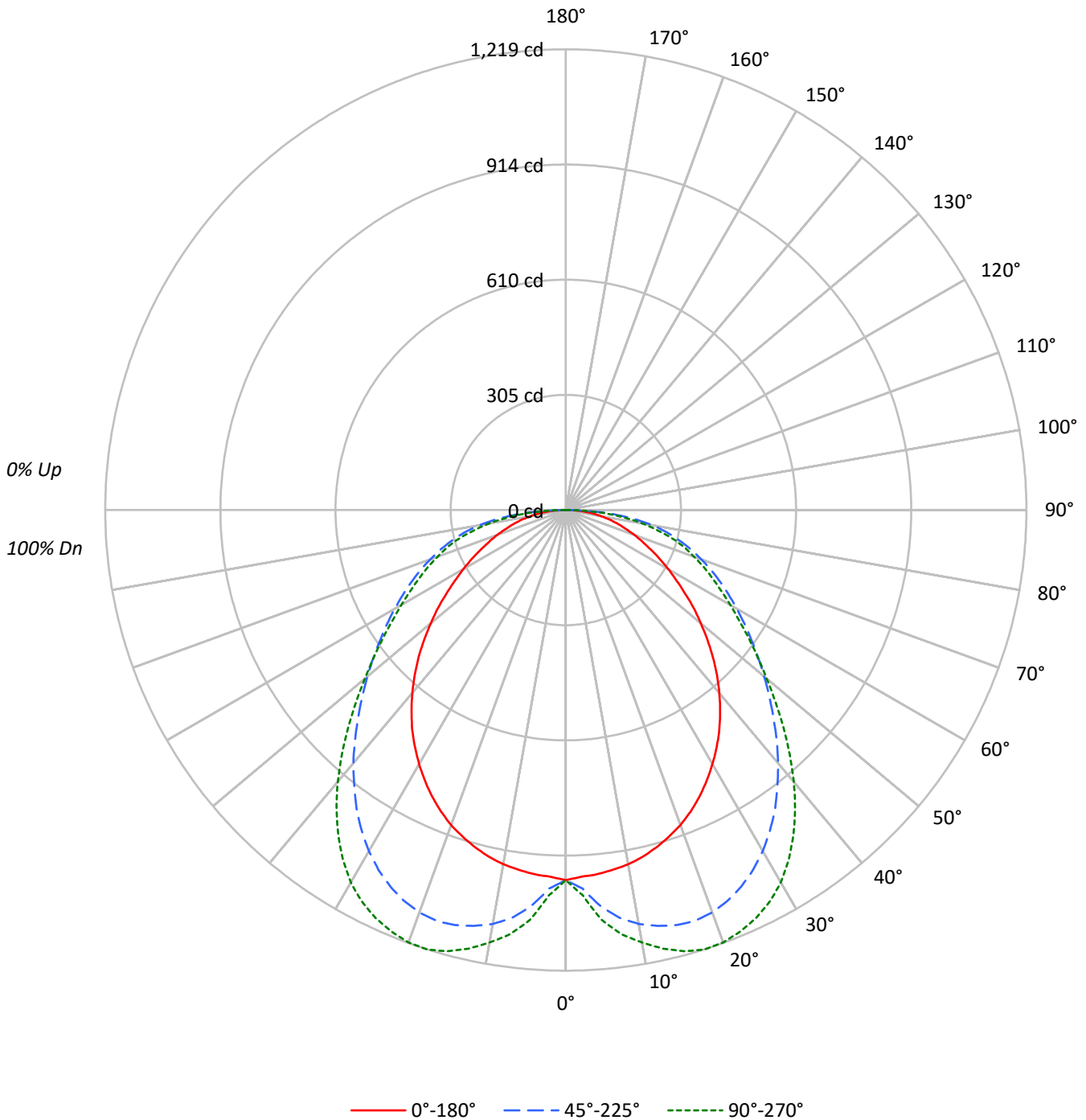
Lumens per Lamp: N/A
Luminaire Lumens: 3350.0 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.55 / 1.49
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.7
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	
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	98	94	105	101	96	93	96	93	90	92	89	87	89	86	84	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	74	70	68
3	89	78	70	63	87	77	69	63	74	67	61	71	65	60	68	63	59	57
4	82	69	60	53	79	68	60	53	65	58	52	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	55	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2635	2635	2635
5°	2612	2841	2941
10°	2601	3039	3175
15°	2575	3168	3367
20°	2541	3244	3487
25°	2484	3263	3536
30°	2412	3237	3535
35°	2328	3171	3449
40°	2220	3072	3298
45°	2096	2957	3101
50°	1952	2869	2906
55°	1806	2814	2769
60°	1686	2813	2704
65°	1579	2871	2728
70°	1521	3003	2838
75°	1490	3240	3047
80°	1485	3606	3206
85°	1491	3903	3356

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 85°

Luminance: 3903 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	3.0
10°-20°	313.6	9.4
20°-30°	491.0	14.7
30°-40°	581.9	17.4
40°-50°	570.7	17.0
50°-60°	495.8	14.8
60°-70°	400.0	11.9
70°-80°	285.4	8.5
80°-90°	110.9	3.3
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°	905.3	27.0
0°-40°	1487.3	44.4
0°-60°	2553.7	76.2
0°-90°	3350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3350.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	979	979	979	979	979	
5°	967	1006	1052	1077	1089	92
15°	924	1053	1137	1188	1209	261
25°	837	992	1099	1165	1191	385
35°	709	858	965	1028	1050	442
45°	551	685	777	812	815	424
55°	385	523	600	598	590	346
65°	248	388	451	433	428	248
75°	143	262	312	297	293	152
85°	48	107	126	112	109	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	979.1	979.1	979.1	979.1	979.1
2.5°	971.1	989.6	1002.5	1009.7	1020.2
5°	967.1	1005.7	1051.6	1076.6	1088.6
7.5°	959.8	1026.6	1088.6	1116.8	1132.1
10°	951.8	1046.8	1112.0	1145.0	1161.9
12.5°	939.7	1055.6	1127.3	1169.2	1188.5
15°	924.4	1053.2	1137.0	1187.7	1208.6
17.5°	906.7	1046.8	1139.4	1194.1	1219.1
20°	887.3	1033.9	1132.9	1192.5	1217.5
22.5°	863.2	1015.4	1119.2	1182.0	1207.0
25°	836.6	992.0	1099.1	1165.1	1190.9
27.5°	807.6	964.6	1073.3	1141.8	1168.4
30°	776.2	933.2	1041.9	1110.4	1137.8
32.5°	743.2	897.0	1005.7	1072.5	1097.5
35°	708.6	858.4	965.4	1028.3	1050.0
37.5°	670.7	816.5	919.5	978.3	996.8
40°	632.1	773.8	874.5	924.4	938.9
42.5°	591.8	729.5	826.1	868.0	876.9
45°	550.8	685.2	777.0	811.7	814.9
47.5°	508.1	641.8	730.3	754.5	752.9
50°	466.2	599.9	685.2	699.7	694.1
52.5°	426.8	560.4	641.8	647.4	640.1
55°	384.9	523.4	599.9	598.3	590.2
57.5°	347.9	487.2	560.4	552.4	543.5
60°	313.2	453.3	522.6	509.7	502.5
62.5°	280.2	420.3	486.3	470.2	463.8
65°	248.0	388.1	450.9	433.2	428.4
67.5°	219.8	357.5	416.3	398.6	395.4
70°	193.3	326.1	381.7	364.8	360.7
72.5°	166.7	294.7	347.0	331.7	330.1
75°	143.3	262.5	311.6	297.1	293.1
77.5°	120.0	229.5	275.4	254.4	249.6
80°	95.8	194.1	232.7	211.0	206.9
82.5°	73.3	153.0	182.0	162.7	159.4
85°	48.3	107.1	126.4	111.9	108.7
87.5°	21.7	51.5	59.6	51.5	49.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)