

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: P798293

Luminaire Tested: 14SRC-SCT3-UNV-LOW-5000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798293
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-5000K
Description: SkyRidge LED Selectable
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

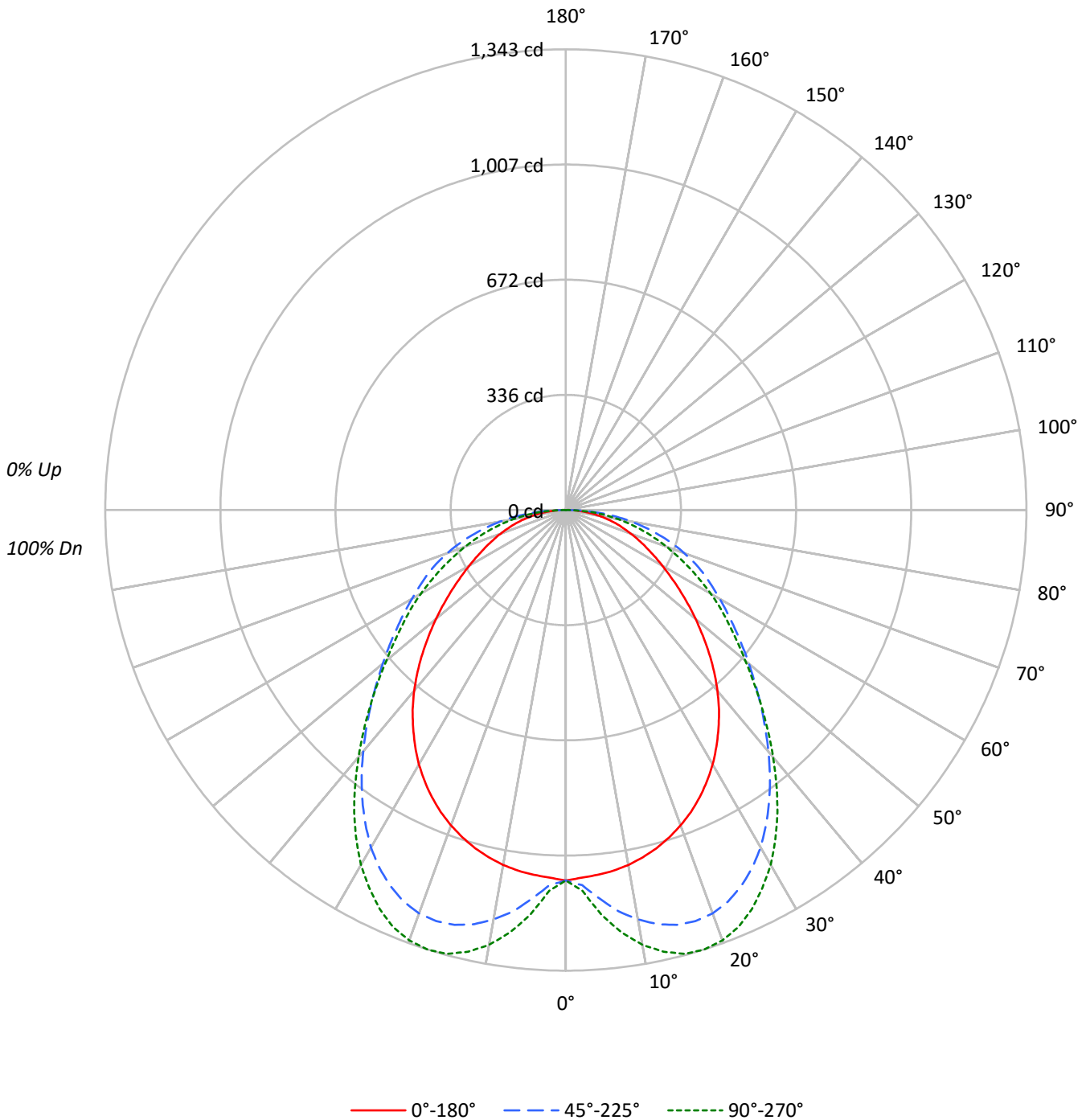
Lumens per Lamp: N/A
Luminaire Lumens: 3453.0 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.48 / 1.45
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24.7
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	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°	2906	2906	2906
5°	2884	3072	3196
10°	2871	3310	3517
15°	2844	3488	3731
20°	2802	3584	3823
25°	2742	3592	3811
30°	2661	3529	3711
35°	2549	3397	3534
40°	2416	3229	3302
45°	2248	3057	3066
50°	2067	2917	2861
55°	1895	2822	2721
60°	1752	2791	2626
65°	1649	2835	2522
70°	1594	2890	2450
75°	1572	2939	2423
80°	1548	3017	2422
85°	1568	3100	2458

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 87.5°

Luminance: 3757 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.2	3.2
10°-20°	345.5	10.0
20°-30°	537.7	15.6
30°-40°	620.3	18.0
40°-50°	589.1	17.1
50°-60°	500.2	14.5
60°-70°	391.7	11.3
70°-80°	261.3	7.6
80°-90°	97.0	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°	993.4	28.8
0°-40°	1613.7	46.7
0°-60°	2702.9	78.3
0°-90°	3453.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3453.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1080	1080	1080	1080	1080	
5°	1068	1106	1137	1170	1183	101
15°	1021	1153	1252	1316	1339	288
25°	924	1104	1210	1267	1284	425
35°	776	948	1034	1069	1076	485
45°	591	736	803	812	806	455
55°	404	544	601	590	580	363
65°	259	397	445	410	396	258
75°	151	274	283	242	233	159
85°	51	114	100	82	80	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1079.9	1079.9	1079.9	1079.9	1079.9
2.5°	1072.6	1095.1	1094.6	1109.2	1110.9
5°	1067.5	1106.4	1137.4	1170.2	1183.1
7.5°	1060.7	1123.3	1180.3	1223.2	1241.3
10°	1050.6	1138.0	1211.4	1266.1	1287.0
12.5°	1037.0	1149.3	1236.7	1297.1	1318.6
15°	1020.7	1152.7	1252.0	1316.3	1339.4
17.5°	1000.9	1149.9	1256.5	1321.4	1343.4
20°	978.3	1141.4	1251.4	1314.0	1334.9
22.5°	952.9	1126.7	1235.6	1295.4	1315.7
25°	923.6	1103.6	1209.7	1267.2	1283.6
27.5°	891.4	1073.7	1176.4	1228.8	1241.3
30°	856.5	1037.0	1135.8	1182.6	1194.4
32.5°	817.5	994.7	1087.2	1128.4	1137.4
35°	775.8	947.9	1034.2	1069.2	1075.9
37.5°	734.0	896.5	977.8	1006.0	1008.8
40°	687.8	843.5	919.1	941.1	940.0
42.5°	639.8	789.3	860.4	876.2	872.3
45°	590.7	735.7	803.4	811.9	805.7
47.5°	541.6	682.7	748.1	751.0	742.5
50°	493.7	633.0	696.8	693.4	683.3
52.5°	448.0	587.3	647.7	639.2	629.1
55°	404.0	543.9	601.4	589.6	580.0
57.5°	362.8	504.4	558.6	543.9	534.9
60°	325.5	466.0	518.5	501.0	488.0
62.5°	290.6	430.5	480.7	455.9	441.2
65°	259.0	396.6	445.2	410.2	396.1
67.5°	230.2	363.9	408.5	366.2	352.6
70°	202.6	334.0	367.3	323.9	311.4
72.5°	176.0	304.1	326.1	282.7	271.4
75°	151.2	274.2	282.7	242.0	233.0
77.5°	125.8	243.7	238.7	203.7	194.7
80°	99.9	205.9	194.7	163.6	156.3
82.5°	75.6	163.1	149.0	123.6	119.6
85°	50.8	114.0	100.4	82.4	79.6
87.5°	26.5	60.9	50.2	40.1	39.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)