

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: P798297

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

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798297
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-HIGH-3000K
Description: SkyRidge LED Selectable
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

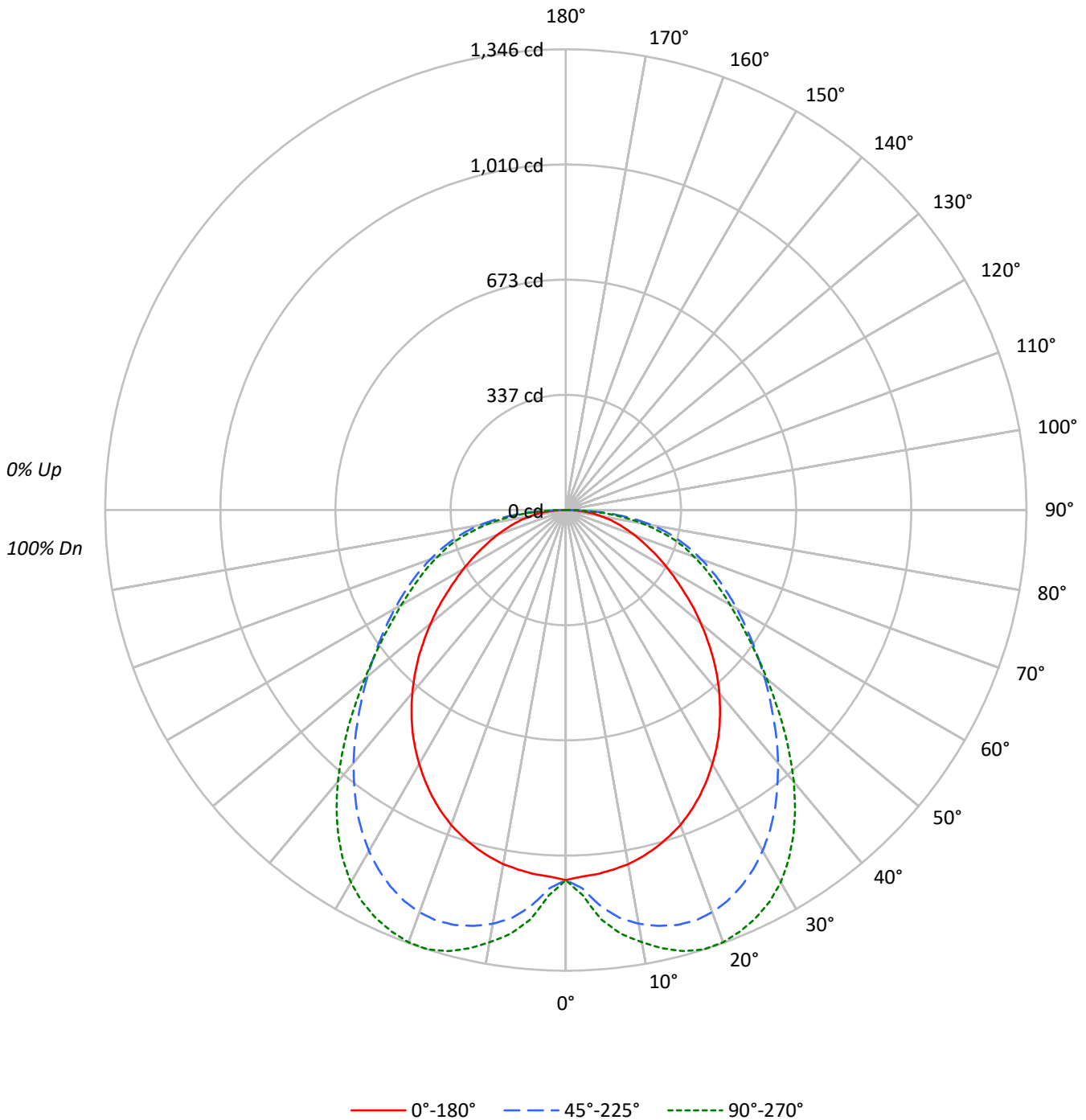
Lumens per Lamp: N/A
Luminaire Lumens: 3698.0 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.55 / 1.49
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 31.8
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				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	87	81	75	84	78	73	80	76	72	77	74	70	70	70	70	68
3	89	78	70	63	87	77	69	63	74	67	61	71	65	60	68	63	59	59	59	59	57
4	82	69	60	53	79	68	60	53	65	58	52	63	57	52	61	55	51	51	51	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	44	44	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	39	39	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	35	35	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	31	31	31	29
9	56	42	34	28	55	42	34	28	41	33	28	40	33	28	38	32	28	28	28	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	25	25	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2908	2908	2908
5°	2884	3136	3246
10°	2871	3354	3505
15°	2843	3497	3717
20°	2805	3581	3848
25°	2742	3602	3903
30°	2663	3574	3903
35°	2570	3501	3808
40°	2451	3391	3641
45°	2314	3264	3423
50°	2154	3167	3208
55°	1993	3107	3057
60°	1861	3105	2985
65°	1743	3170	3011
70°	1678	3315	3133
75°	1645	3577	3363
80°	1640	3981	3539
85°	1646	4310	3705

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 85°
 Luminance: 4310 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.2	3.0
10°-20°	346.2	9.4
20°-30°	542.0	14.7
30°-40°	642.4	17.4
40°-50°	629.9	17.0
50°-60°	547.2	14.8
60°-70°	441.5	11.9
70°-80°	315.1	8.5
80°-90°	122.5	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°	999.4	27.0
0°-40°	1641.8	44.4
0°-60°	2819.0	76.2
0°-90°	3698.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3698.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1081	1081	1081	1081	1081	
5°	1068	1110	1161	1188	1202	101
15°	1020	1163	1255	1311	1334	288
25°	924	1095	1213	1286	1315	425
35°	782	948	1066	1135	1159	488
45°	608	756	858	896	900	468
55°	425	578	662	660	652	382
65°	274	428	498	478	473	273
75°	158	290	344	328	324	167
85°	53	118	140	124	120	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1080.8	1080.8	1080.8	1080.8	1080.8
2.5°	1072.0	1092.4	1106.6	1114.6	1126.2
5°	1067.5	1110.2	1160.8	1188.4	1201.7
7.5°	1059.5	1133.3	1201.7	1232.8	1249.7
10°	1050.6	1155.5	1227.5	1264.0	1282.6
12.5°	1037.3	1165.3	1244.4	1290.6	1311.9
15°	1020.4	1162.6	1255.1	1311.1	1334.2
17.5°	1000.8	1155.5	1257.7	1318.2	1345.7
20°	979.5	1141.3	1250.6	1316.4	1343.9
22.5°	952.9	1120.8	1235.5	1304.8	1332.4
25°	923.5	1095.1	1213.3	1286.2	1314.6
27.5°	891.5	1064.8	1184.8	1260.4	1289.7
30°	856.9	1030.2	1150.2	1225.7	1256.0
32.5°	820.4	990.2	1110.2	1184.0	1211.5
35°	782.2	947.5	1065.7	1135.1	1159.1
37.5°	740.4	901.3	1015.1	1080.0	1100.4
40°	697.8	854.2	965.3	1020.4	1036.4
42.5°	653.3	805.3	912.0	958.2	968.0
45°	608.0	756.4	857.7	896.0	899.5
47.5°	560.9	708.4	806.2	832.9	831.1
50°	514.6	662.2	756.4	772.4	766.2
52.5°	471.1	618.6	708.4	714.6	706.6
55°	424.9	577.8	662.2	660.4	651.5
57.5°	384.0	537.8	618.6	609.8	600.0
60°	345.8	500.4	576.9	562.6	554.6
62.5°	309.3	464.0	536.9	519.1	512.0
65°	273.8	428.4	497.8	478.2	472.9
67.5°	242.7	394.7	459.5	440.0	436.4
70°	213.3	360.0	421.3	402.7	398.2
72.5°	184.0	325.3	383.1	366.2	364.4
75°	158.2	289.8	344.0	328.0	323.5
77.5°	132.4	253.3	304.0	280.9	275.5
80°	105.8	214.2	256.9	232.9	228.4
82.5°	80.9	168.9	200.9	179.5	176.0
85°	53.3	118.2	139.6	123.6	120.0
87.5°	24.0	56.9	65.8	56.9	54.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)