

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: P798302

Luminaire Tested: 22SRC-SCT3-UNV-LOW-5000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798302
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-LOW-5000K
Description: SkyRidge LED Selectable
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

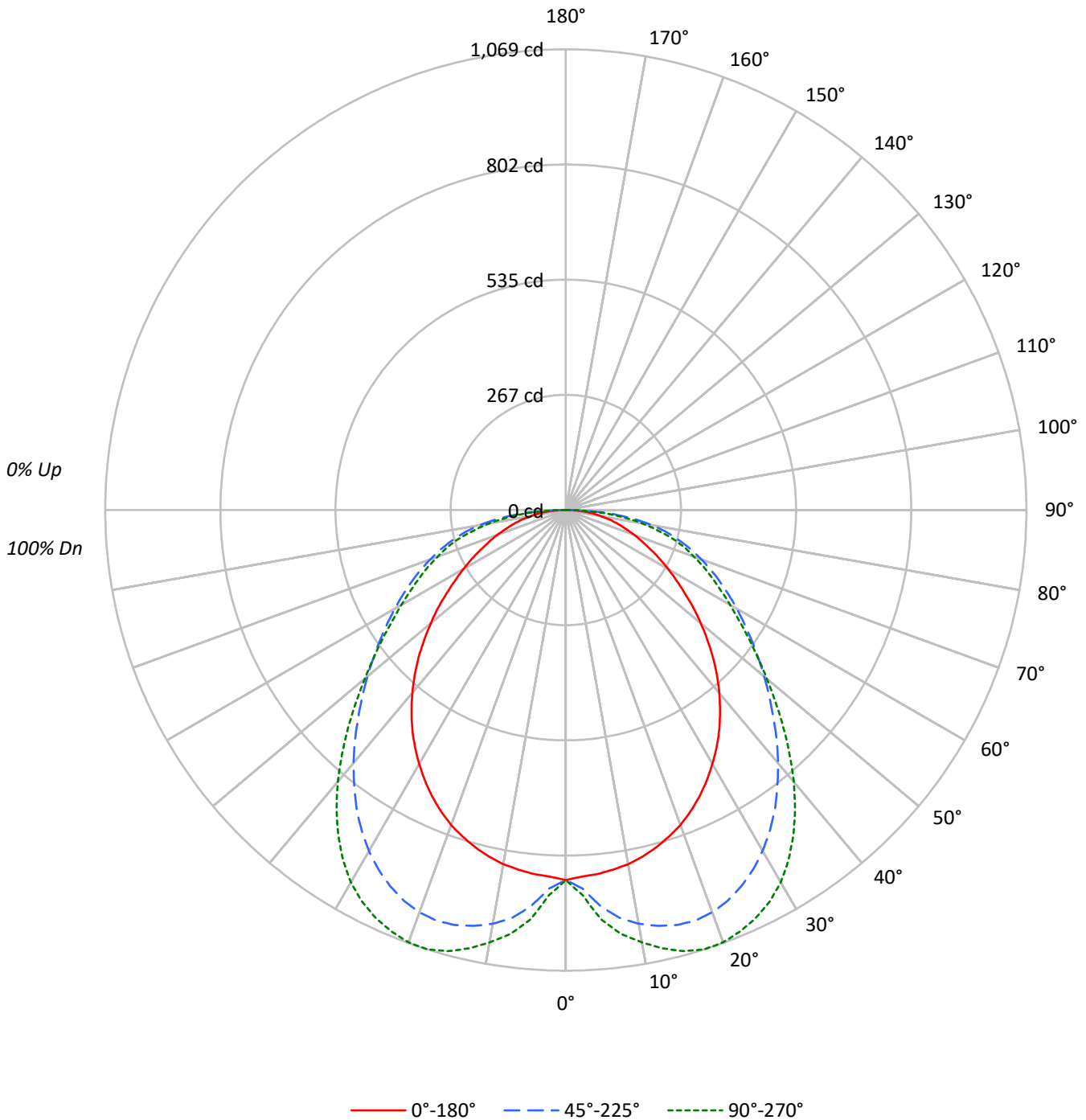
Lumens per Lamp: N/A
Luminaire Lumens: 2937.0 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.55 / 1.49
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
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	
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°	2310	2310	2310
5°	2290	2491	2578
10°	2280	2664	2784
15°	2258	2777	2952
20°	2228	2844	3057
25°	2178	2861	3100
30°	2115	2838	3100
35°	2041	2780	3024
40°	1947	2693	2891
45°	1838	2592	2719
50°	1711	2515	2547
55°	1583	2467	2428
60°	1478	2466	2371
65°	1384	2517	2392
70°	1333	2633	2489
75°	1307	2840	2672
80°	1302	3161	2811
85°	1309	3421	2942

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 85°

Luminance: 3421 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	3.0
10°-20°	274.9	9.4
20°-30°	430.5	14.7
30°-40°	510.2	17.4
40°-50°	500.3	17.0
50°-60°	434.6	14.8
60°-70°	350.7	11.9
70°-80°	250.2	8.5
80°-90°	97.2	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°	793.7	27.0
0°-40°	1303.9	44.4
0°-60°	2238.9	76.2
0°-90°	2937.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2937.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	858	858	858	858	858	
5°	848	882	922	944	954	80
15°	810	923	997	1041	1060	228
25°	734	870	964	1022	1044	337
35°	621	752	846	902	920	388
45°	483	601	681	712	714	372
55°	337	459	526	524	518	303
65°	217	340	395	380	376	217
75°	126	230	273	260	257	133
85°	42	94	111	98	95	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	858.4	858.4	858.4	858.4	858.4
2.5°	851.4	867.6	878.9	885.2	894.4
5°	847.8	881.7	922.0	943.8	954.4
7.5°	841.5	900.1	954.4	979.1	992.6
10°	834.4	917.7	974.9	1003.8	1018.7
12.5°	823.8	925.5	988.3	1025.0	1042.0
15°	810.4	923.4	996.8	1041.3	1059.6
17.5°	794.9	917.7	998.9	1046.9	1068.8
20°	777.9	906.4	993.3	1045.5	1067.4
22.5°	756.8	890.2	981.3	1036.3	1058.2
25°	733.5	869.7	963.6	1021.5	1044.1
27.5°	708.1	845.7	941.0	1001.0	1024.3
30°	680.5	818.2	913.5	973.5	997.5
32.5°	651.6	786.4	881.7	940.3	962.2
35°	621.2	752.5	846.4	901.5	920.5
37.5°	588.0	715.8	806.2	857.7	874.0
40°	554.2	678.4	766.7	810.4	823.1
42.5°	518.9	639.6	724.3	761.0	768.8
45°	482.9	600.8	681.2	711.6	714.4
47.5°	445.4	562.6	640.3	661.5	660.1
50°	408.7	525.9	600.8	613.5	608.5
52.5°	374.1	491.3	562.6	567.6	561.2
55°	337.4	458.9	525.9	524.5	517.5
57.5°	305.0	427.1	491.3	484.3	476.5
60°	274.6	397.4	458.2	446.9	440.5
62.5°	245.7	368.5	426.4	412.3	406.6
65°	217.4	340.3	395.3	379.8	375.6
67.5°	192.7	313.4	365.0	349.4	346.6
70°	169.4	285.9	334.6	319.8	316.3
72.5°	146.1	258.4	304.3	290.8	289.4
75°	125.7	230.1	273.2	260.5	257.0
77.5°	105.2	201.2	241.4	223.1	218.8
80°	84.0	170.1	204.0	185.0	181.4
82.5°	64.2	134.1	159.5	142.6	139.8
85°	42.4	93.9	110.8	98.1	95.3
87.5°	19.1	45.2	52.2	45.2	43.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)