

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: P798301

Luminaire Tested: 22SRC-SCT3-UNV-LOW-4000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798301
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-4000K
Description: SkyRidge LED Selectable
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

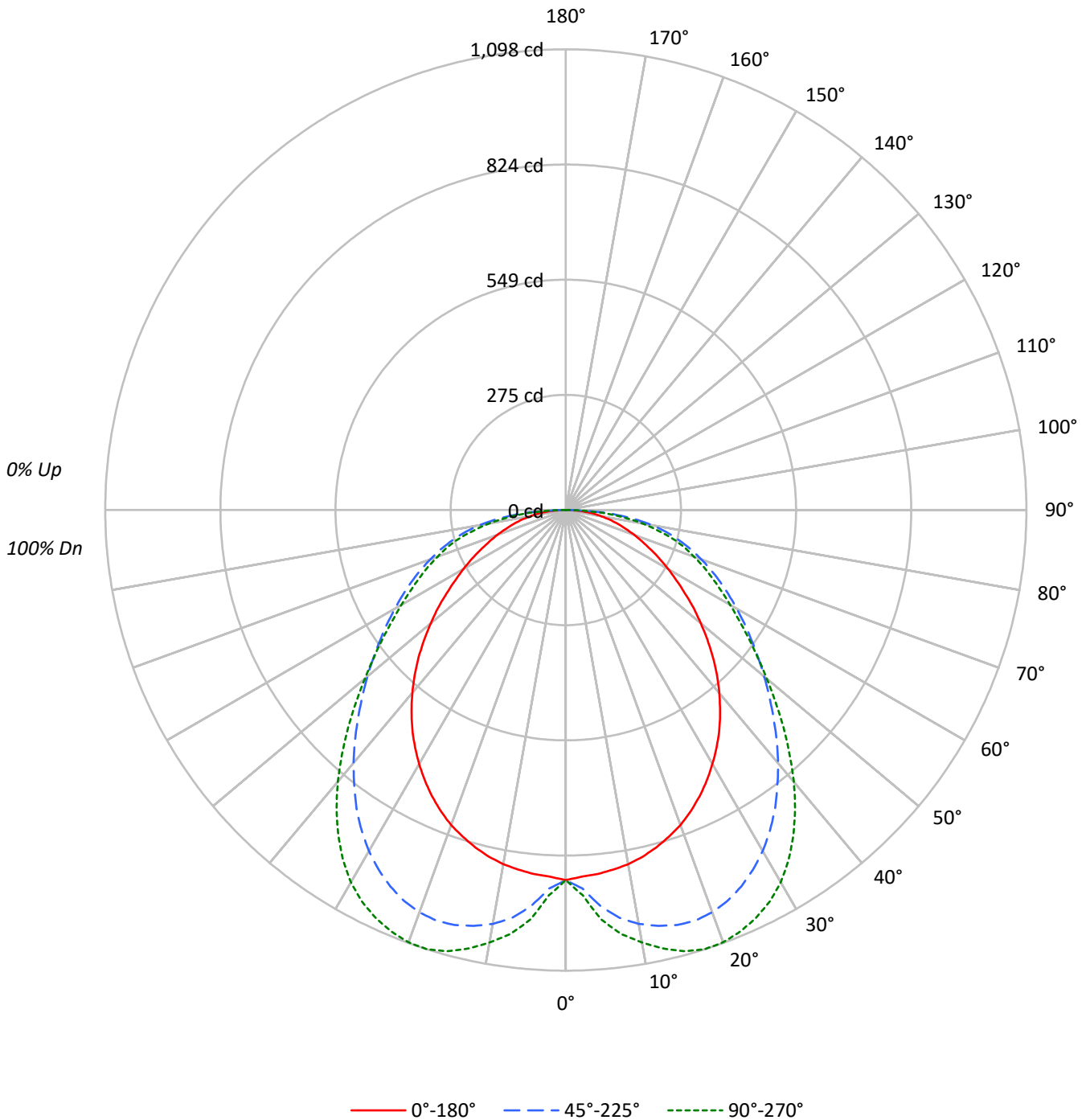
Lumens per Lamp: N/A
Luminaire Lumens: 3017.0 lumens
Efficiency: N/A
Efficacy: 145.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.55 / 1.49
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 20.7
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	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°	2373	2373	2373
5°	2353	2558	2648
10°	2342	2737	2859
15°	2319	2852	3032
20°	2288	2922	3140
25°	2237	2939	3184
30°	2172	2916	3184
35°	2096	2856	3106
40°	2000	2766	2970
45°	1888	2663	2793
50°	1758	2583	2617
55°	1626	2535	2494
60°	1518	2533	2435
65°	1422	2586	2457
70°	1369	2704	2556
75°	1342	2917	2745
80°	1337	3248	2889
85°	1343	3517	3023

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 85°

Luminance: 3517 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.7	3.0
10°-20°	282.4	9.4
20°-30°	442.2	14.7
30°-40°	524.1	17.4
40°-50°	513.9	17.0
50°-60°	446.5	14.8
60°-70°	360.2	11.9
70°-80°	257.0	8.5
80°-90°	99.9	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°	815.3	27.0
0°-40°	1339.4	44.4
0°-60°	2299.8	76.2
0°-90°	3017.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3017.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	882	882	882	882	882	
5°	871	906	947	970	980	83
15°	832	948	1024	1070	1088	235
25°	754	893	990	1049	1072	347
35°	638	773	870	926	946	398
45°	496	617	700	731	734	382
55°	347	471	540	539	532	312
65°	223	350	406	390	386	223
75°	129	236	281	268	264	137
85°	44	96	114	101	98	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	881.8	881.8	881.8	881.8	881.8
2.5°	874.6	891.2	902.8	909.4	918.8
5°	870.9	905.7	947.1	969.6	980.4
7.5°	864.4	924.6	980.4	1005.8	1019.6
10°	857.1	942.7	1001.5	1031.2	1046.4
12.5°	846.3	950.7	1015.2	1052.9	1070.3
15°	832.5	948.5	1023.9	1069.6	1088.5
17.5°	816.5	942.7	1026.1	1075.4	1097.9
20°	799.1	931.1	1020.3	1074.0	1096.5
22.5°	777.4	914.4	1008.0	1064.5	1087.0
25°	753.5	893.4	989.9	1049.3	1072.5
27.5°	727.3	868.8	966.6	1028.3	1052.2
30°	699.1	840.5	938.4	1000.0	1024.7
32.5°	669.3	807.8	905.7	965.9	988.4
35°	638.1	773.0	869.5	926.0	945.6
37.5°	604.1	735.3	828.1	881.1	897.8
40°	569.3	696.9	787.5	832.5	845.5
42.5°	533.0	657.0	744.0	781.7	789.7
45°	496.0	617.1	699.8	731.0	733.9
47.5°	457.6	578.0	657.7	679.5	678.0
50°	419.9	540.3	617.1	630.2	625.1
52.5°	384.3	504.7	578.0	583.0	576.5
55°	346.6	471.4	540.3	538.8	531.5
57.5°	313.3	438.7	504.7	497.5	489.5
60°	282.1	408.3	470.6	459.0	452.5
62.5°	252.4	378.5	438.0	423.5	417.7
65°	223.4	349.5	406.1	390.1	385.8
67.5°	198.0	322.0	374.9	359.0	356.1
70°	174.0	293.7	343.7	328.5	324.9
72.5°	150.1	265.4	312.5	298.8	297.3
75°	129.1	236.4	280.6	267.6	264.0
77.5°	108.1	206.7	248.0	229.2	224.8
80°	86.3	174.8	209.6	190.0	186.4
82.5°	66.0	137.8	163.9	146.5	143.6
85°	43.5	96.4	113.9	100.8	97.9
87.5°	19.6	46.4	53.7	46.4	44.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)