

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: P798298

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

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798298
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-4000K
Description: SkyRidge LED Selectable
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

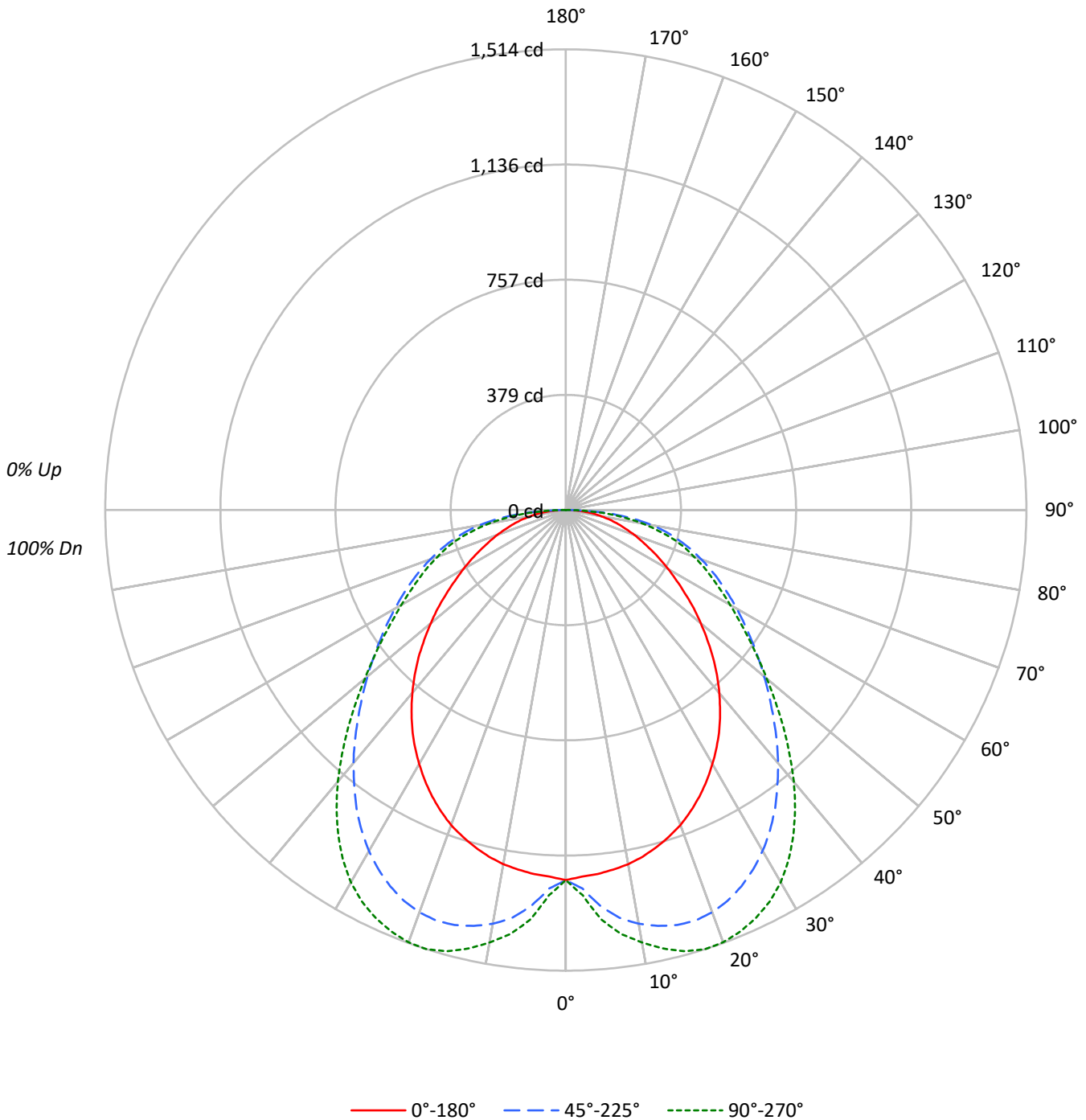
Lumens per Lamp: N/A
Luminaire Lumens: 4160.1 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.55 / 1.49
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 30
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°	3272	3272	3272
5°	3244	3528	3652
10°	3230	3773	3943
15°	3198	3933	4181
20°	3155	4029	4330
25°	3085	4053	4391
30°	2995	4021	4390
35°	2891	3938	4283
40°	2757	3815	4096
45°	2603	3672	3851
50°	2424	3562	3608
55°	2243	3495	3438
60°	2094	3492	3358
65°	1961	3565	3387
70°	1888	3729	3525
75°	1851	4024	3785
80°	1844	4479	3983
85°	1853	4847	4168

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 85°

Luminance: 4847 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	3.0
10°-20°	389.4	9.4
20°-30°	609.8	14.7
30°-40°	722.7	17.4
40°-50°	708.6	17.0
50°-60°	615.6	14.8
60°-70°	496.7	11.9
70°-80°	354.5	8.5
80°-90°	137.8	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°	1124.3	27.0
0°-40°	1846.9	44.4
0°-60°	3171.2	76.2
0°-90°	4160.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4160.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1216	1216	1216	1216	1216	
5°	1201	1249	1306	1337	1352	114
15°	1148	1308	1412	1475	1501	324
25°	1039	1232	1365	1447	1479	478
35°	880	1066	1199	1277	1304	549
45°	684	851	965	1008	1012	527
55°	478	650	745	743	733	430
65°	308	482	560	538	532	308
75°	178	326	387	369	364	188
85°	60	133	157	139	135	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1215.9	1215.9	1215.9	1215.9	1215.9
2.5°	1205.9	1228.9	1244.9	1253.9	1266.9
5°	1200.9	1248.9	1305.9	1336.9	1351.9
7.5°	1191.9	1274.9	1351.9	1386.9	1405.9
10°	1181.9	1299.9	1380.9	1421.9	1442.9
12.5°	1166.9	1310.9	1399.9	1451.9	1475.9
15°	1147.9	1307.9	1411.9	1474.9	1500.9
17.5°	1125.9	1299.9	1414.9	1482.9	1513.9
20°	1101.9	1283.9	1406.9	1480.9	1511.9
22.5°	1071.9	1260.9	1389.9	1467.9	1498.9
25°	1038.9	1231.9	1364.9	1446.9	1478.9
27.5°	1002.9	1197.9	1332.9	1417.9	1450.9
30°	963.9	1158.9	1293.9	1378.9	1412.9
32.5°	922.9	1113.9	1248.9	1331.9	1362.9
35°	879.9	1065.9	1198.9	1276.9	1303.9
37.5°	832.9	1013.9	1141.9	1214.9	1237.9
40°	784.9	960.9	1085.9	1147.9	1165.9
42.5°	734.9	905.9	1025.9	1077.9	1088.9
45°	683.9	850.9	964.9	1007.9	1011.9
47.5°	630.9	796.9	906.9	936.9	934.9
50°	578.9	744.9	850.9	868.9	861.9
52.5°	529.9	695.9	796.9	803.9	794.9
55°	478.0	649.9	744.9	742.9	732.9
57.5°	432.0	604.9	695.9	685.9	674.9
60°	389.0	562.9	648.9	632.9	623.9
62.5°	348.0	521.9	603.9	583.9	575.9
65°	308.0	482.0	559.9	537.9	531.9
67.5°	273.0	444.0	516.9	495.0	491.0
70°	240.0	405.0	474.0	453.0	448.0
72.5°	207.0	366.0	431.0	412.0	410.0
75°	178.0	326.0	387.0	369.0	364.0
77.5°	149.0	285.0	342.0	316.0	310.0
80°	119.0	241.0	289.0	262.0	257.0
82.5°	91.0	190.0	226.0	202.0	198.0
85°	60.0	133.0	157.0	139.0	135.0
87.5°	27.0	64.0	74.0	64.0	61.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)