

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: P798309

Luminaire Tested: 24SRC-SCT3-UNV-LOW-3000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2307-102-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24SRC-SCT3-UNV-LOW-3000K
Description: SkyRidge LED Selectable
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

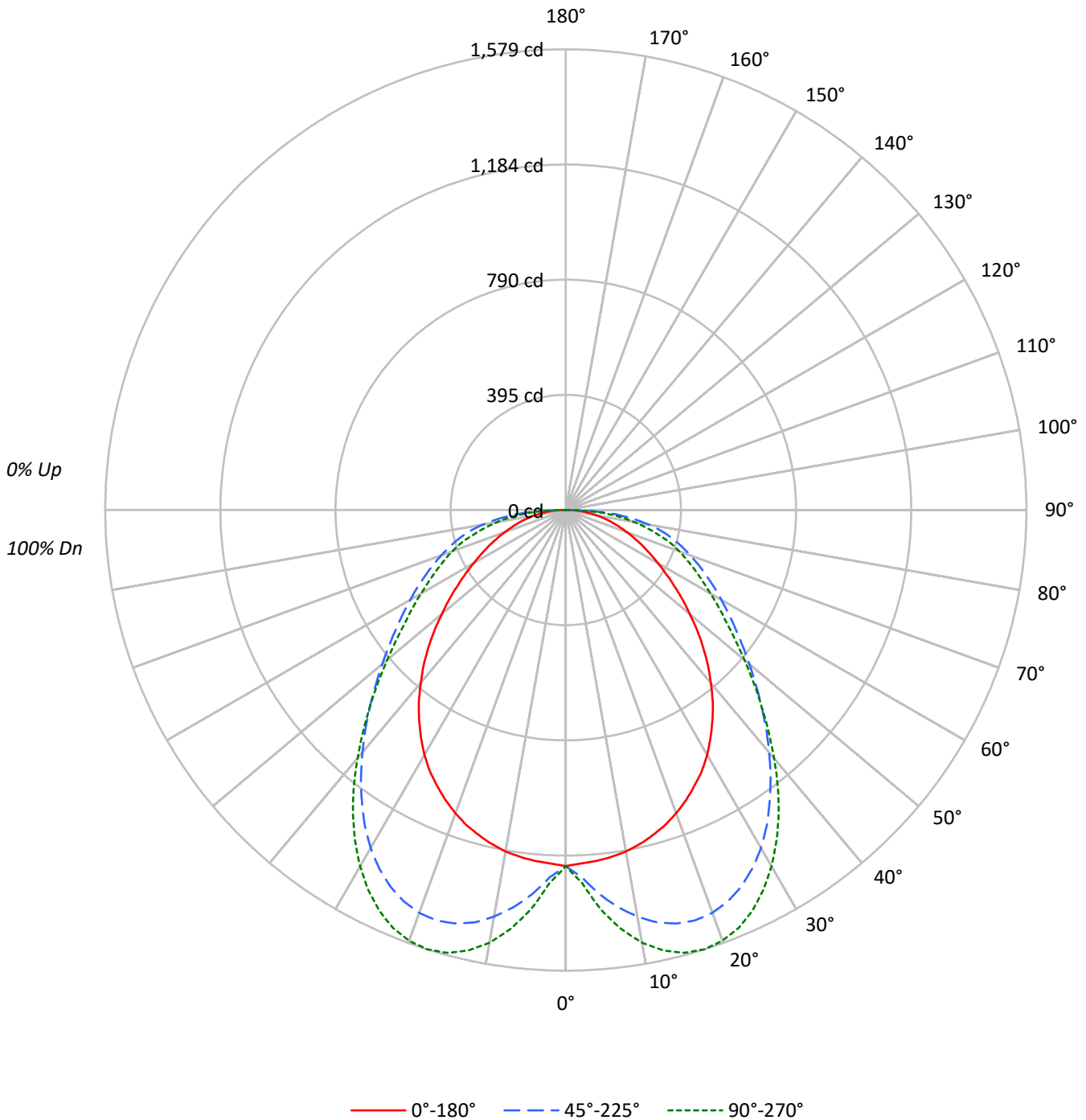
Lumens per Lamp: N/A
Luminaire Lumens: 4124.0 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.51 / 1.47
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 30.3
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	88	81	75	84	78	74	81	76	72	78	74	70	70	70	70	68
3	89	79	70	64	87	77	69	63	74	67	62	71	65	61	69	64	60	60	60	60	57
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	51	51	51	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	49	45	45	45	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	40	40	40	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	32	32	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	29	29	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	26	26	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1642	1642	1642
5°	1630	1785	1856
10°	1624	1933	2057
15°	1606	2043	2188
20°	1583	2104	2249
25°	1549	2114	2248
30°	1505	2078	2191
35°	1440	2002	2089
40°	1358	1904	1951
45°	1267	1804	1804
50°	1160	1719	1673
55°	1065	1666	1577
60°	982	1657	1542
65°	924	1693	1556
70°	879	1786	1630
75°	855	1968	1712
80°	848	2240	1846
85°	912	2655	2150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 87.5°
 Luminance: 3103 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.2	3.1
10°-20°	402.1	9.7
20°-30°	628.4	15.2
30°-40°	726.9	17.6
40°-50°	690.0	16.7
50°-60°	585.5	14.2
60°-70°	471.3	11.4
70°-80°	343.3	8.3
80°-90°	149.3	3.6
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°	1157.6	28.1
0°-40°	1884.5	45.7
0°-60°	3160.1	76.6
0°-90°	4124.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4124.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1221	1221	1221	1221	1221	
5°	1207	1270	1321	1349	1374	115
15°	1153	1339	1467	1533	1571	325
25°	1043	1289	1424	1481	1514	480
35°	877	1111	1219	1258	1272	547
45°	666	861	948	957	948	513
55°	454	638	710	693	672	408
65°	290	475	532	502	489	289
75°	164	338	379	342	329	174
85°	59	171	172	144	139	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1220.6	1220.6	1220.6	1220.6	1220.6
2.5°	1212.4	1247.5	1259.8	1268.6	1279.7
5°	1207.2	1270.4	1321.3	1349.4	1373.9
7.5°	1199.0	1296.1	1372.8	1416.1	1447.7
10°	1188.4	1317.8	1414.9	1471.1	1505.6
12.5°	1172.6	1333.0	1448.2	1509.1	1546.5
15°	1153.3	1339.4	1467.0	1533.1	1571.1
17.5°	1132.3	1337.7	1474.6	1540.7	1578.7
20°	1105.9	1330.6	1469.3	1532.5	1570.5
22.5°	1076.7	1314.2	1451.8	1512.0	1549.5
25°	1043.3	1289.1	1423.7	1481.0	1514.4
27.5°	1009.4	1255.7	1385.0	1441.2	1467.0
30°	969.0	1214.2	1337.7	1388.0	1410.2
32.5°	923.9	1165.0	1282.1	1325.9	1344.1
35°	876.6	1110.6	1218.9	1258.1	1272.1
37.5°	827.4	1050.3	1153.3	1185.5	1193.7
40°	773.0	987.1	1084.3	1105.9	1110.6
42.5°	720.9	923.9	1015.8	1034.0	1027.5
45°	665.9	860.8	947.9	956.7	947.9
47.5°	610.9	799.9	882.4	883.0	871.9
50°	554.1	743.1	821.0	814.5	799.3
52.5°	504.4	688.7	763.0	750.2	732.6
55°	454.1	638.4	710.4	693.4	672.3
57.5°	407.8	592.8	661.2	639.0	622.0
60°	365.1	551.2	615.6	588.7	572.9
62.5°	326.5	511.4	572.9	543.6	529.0
65°	290.2	474.6	531.9	502.1	488.6
67.5°	255.7	438.9	492.7	462.3	450.6
70°	223.5	404.3	454.1	423.6	414.3
72.5°	193.1	371.0	416.6	386.8	376.8
75°	164.4	337.6	378.6	342.3	329.4
77.5°	136.9	302.5	339.4	295.5	284.4
80°	109.4	264.5	289.1	247.5	238.2
82.5°	84.3	222.9	234.1	198.4	191.9
85°	59.1	171.4	172.0	143.9	139.3
87.5°	32.2	100.6	95.4	77.8	73.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)