

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: P798296

Luminaire Tested: 14SRC-SCT3-UNV-MID-5000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2311-232-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14SRC-SCT3-UNV-MID-5000K
Description: SkyRidge LED Selectable
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

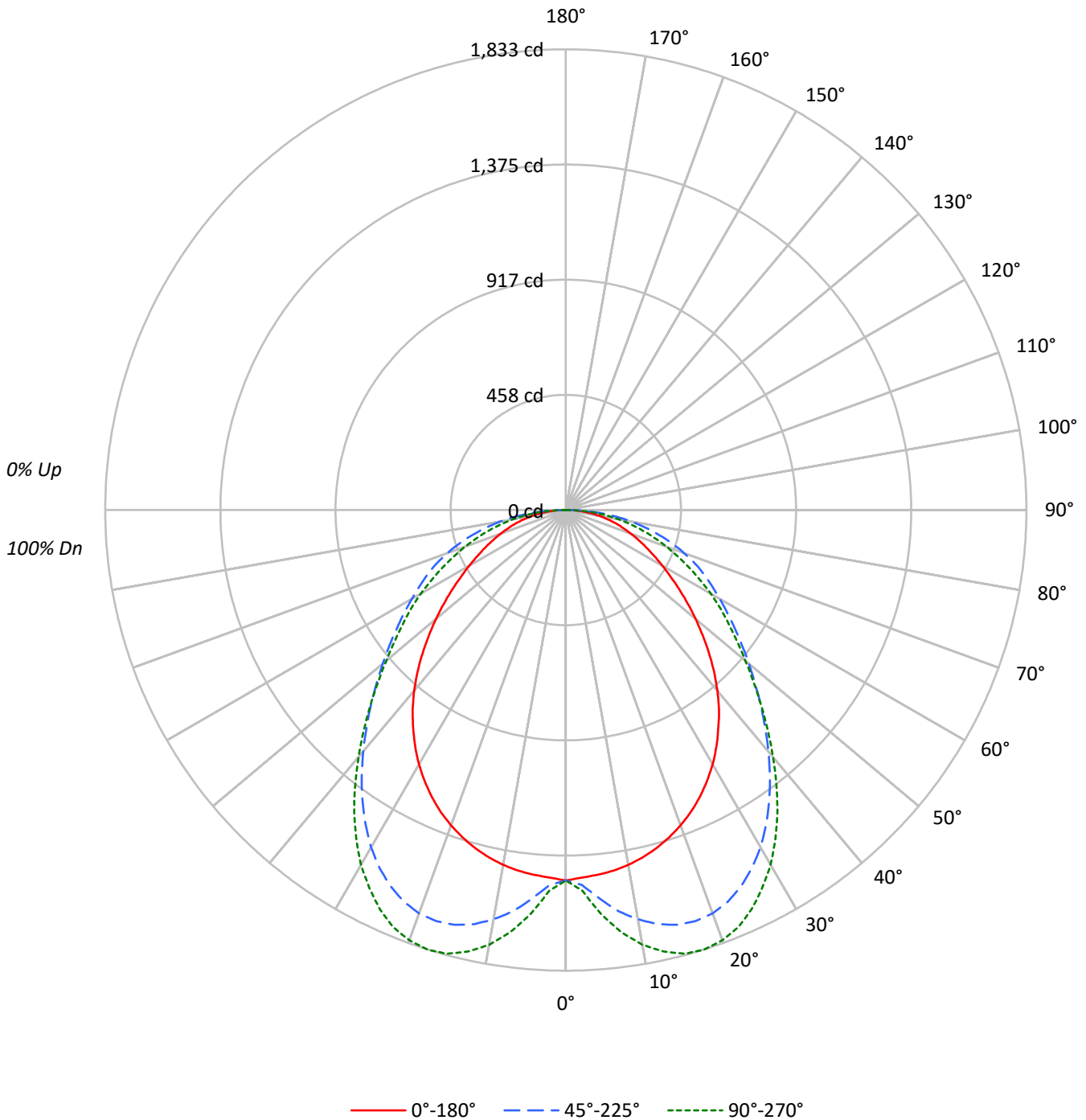
Lumens per Lamp: N/A
Luminaire Lumens: 4712.0 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.48 / 1.45
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 35.3
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



TEST NUMBER: P798296
CATALOG NUMBER: 14SRC-SCT3-UNV-MID-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P798296
 CATALOG NUMBER: 14SRC-SCT3-UNV-MID-5000K

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	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	85	85	85	83
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	71	71	71	69
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	61	61	61	59
4	83	71	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	46	46	46	44
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	40	40	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	47	41	36	36	36	36	34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	32	32	32	30
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	29	29	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	27	27	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3965	3965	3965
5°	3935	4193	4361
10°	3917	4517	4799
15°	3880	4760	5092
20°	3823	4890	5216
25°	3742	4901	5201
30°	3631	4816	5065
35°	3478	4636	4823
40°	3297	4406	4506
45°	3068	4172	4184
50°	2820	3981	3903
55°	2586	3850	3713
60°	2391	3808	3584
65°	2250	3868	3442
70°	2175	3943	3344
75°	2145	4010	3306
80°	2112	4116	3305
85°	2140	4230	3353

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 87.5°
 Luminance: 5133 cd/sqm



TEST NUMBER: P798296
 CATALOG NUMBER: 14SRC-SCT3-UNV-MID-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	3.2
10°-20°	471.5	10.0
20°-30°	733.7	15.6
30°-40°	846.4	18.0
40°-50°	803.8	17.1
50°-60°	682.5	14.5
60°-70°	534.6	11.3
70°-80°	356.6	7.6
80°-90°	132.3	2.8
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°	1355.7	28.8
0°-40°	2202.1	46.7
0°-60°	3688.5	78.3
0°-90°	4712.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4712.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1474	1474	1474	1474	1474	
5°	1457	1510	1552	1597	1614	138
15°	1393	1573	1708	1796	1828	392
25°	1260	1506	1651	1729	1752	580
35°	1059	1294	1411	1459	1468	661
45°	806	1004	1096	1108	1100	621
55°	551	742	821	805	792	495
65°	353	541	608	560	540	352
75°	206	374	386	330	318	218
85°	69	156	137	112	109	75
90°	0	0	0	0	0	



TEST NUMBER: P798296

CATALOG NUMBER: 14SRC-SCT3-UNV-MID-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1473.6	1473.6	1473.6	1473.6	1473.6
2.5°	1463.6	1494.4	1493.7	1513.7	1516.0
5°	1456.7	1509.8	1552.2	1596.8	1614.5
7.5°	1447.5	1532.9	1610.7	1669.2	1693.8
10°	1433.6	1552.9	1653.0	1727.7	1756.2
12.5°	1415.1	1568.3	1687.7	1770.1	1799.3
15°	1392.8	1573.0	1708.5	1796.2	1827.8
17.5°	1365.8	1569.1	1714.6	1803.2	1833.2
20°	1335.1	1557.6	1707.7	1793.2	1821.6
22.5°	1300.4	1537.5	1686.1	1767.7	1795.5
25°	1260.4	1506.0	1650.7	1729.3	1751.6
27.5°	1216.5	1465.2	1605.3	1676.9	1693.8
30°	1168.7	1415.1	1549.9	1613.8	1629.9
32.5°	1115.6	1357.4	1483.6	1539.9	1552.2
35°	1058.6	1293.5	1411.3	1459.0	1468.2
37.5°	1001.7	1223.4	1334.3	1372.8	1376.6
40°	938.5	1151.0	1254.2	1284.2	1282.7
42.5°	873.1	1077.1	1174.1	1195.7	1190.3
45°	806.1	1004.0	1096.4	1107.9	1099.5
47.5°	739.1	931.6	1020.9	1024.8	1013.2
50°	673.7	863.9	950.9	946.2	932.4
52.5°	611.3	801.5	883.9	872.3	858.5
55°	551.3	742.2	820.7	804.6	791.5
57.5°	495.1	688.3	762.2	742.2	729.9
60°	444.2	636.0	707.6	683.7	666.0
62.5°	396.5	587.5	656.0	622.1	602.1
65°	353.4	541.3	607.5	559.7	540.5
67.5°	314.1	496.6	557.4	499.7	481.2
70°	276.4	455.8	501.2	441.9	425.0
72.5°	240.2	415.0	445.0	385.7	370.3
75°	206.3	374.2	385.7	330.3	318.0
77.5°	171.7	332.6	325.7	277.9	265.6
80°	136.3	281.0	265.6	223.3	213.3
82.5°	103.2	222.5	203.3	168.6	163.2
85°	69.3	155.5	137.0	112.4	108.6
87.5°	36.2	83.2	68.5	54.7	53.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)