

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: P798290

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

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798290
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-HIGH-5000K
Description: SkyRidge LED Selectable
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

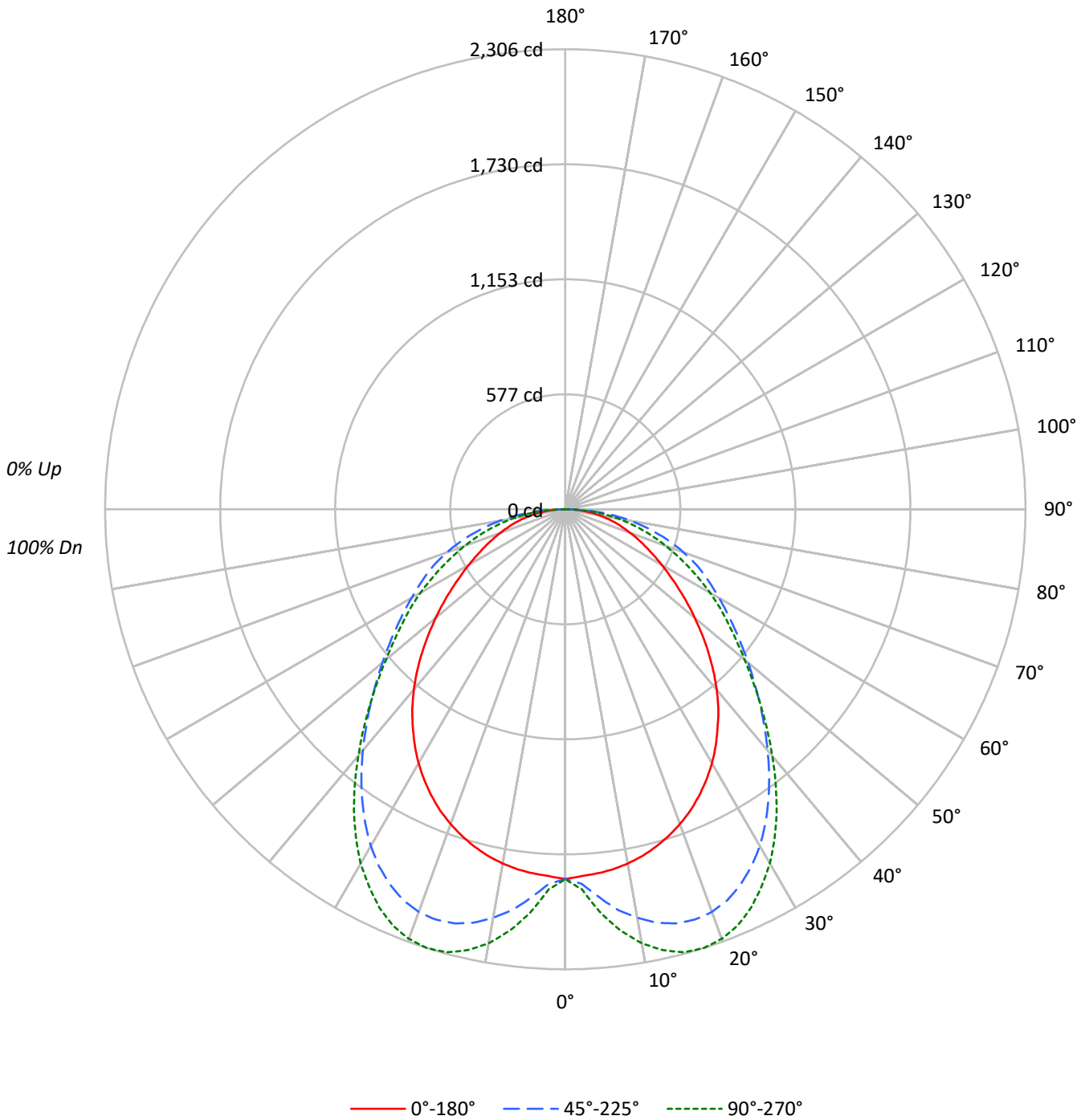
Lumens per Lamp: N/A
Luminaire Lumens: 5927.0 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.48 / 1.45
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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	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°	4988	4988	4988
5°	4950	5274	5486
10°	4928	5682	6036
15°	4881	5987	6405
20°	4809	6151	6562
25°	4707	6165	6542
30°	4568	6058	6371
35°	4374	5832	6067
40°	4147	5542	5668
45°	3859	5248	5263
50°	3548	5007	4910
55°	3253	4844	4671
60°	3007	4790	4508
65°	2830	4865	4329
70°	2736	4961	4206
75°	2698	5045	4159
80°	2656	5177	4158
85°	2692	5323	4218

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 87.5°
 Luminance: 6453 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.2	3.2
10°-20°	593.1	10.0
20°-30°	922.9	15.6
30°-40°	1064.7	18.0
40°-50°	1011.1	17.1
50°-60°	858.5	14.5
60°-70°	672.4	11.3
70°-80°	448.6	7.6
80°-90°	166.5	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°	1705.2	28.8
0°-40°	2769.9	46.7
0°-60°	4639.6	78.3
0°-90°	5927.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5927.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1854	1854	1854	1854	1854	
5°	1832	1899	1952	2009	2031	174
15°	1752	1978	2149	2259	2299	494
25°	1585	1894	2076	2175	2203	729
35°	1332	1627	1775	1835	1847	832
45°	1014	1263	1379	1394	1383	782
55°	693	934	1032	1012	996	623
65°	444	681	764	704	680	443
75°	260	471	485	416	400	274
85°	87	196	172	141	137	95
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1853.6	1853.6	1853.6	1853.6	1853.6
2.5°	1841.0	1879.8	1878.8	1904.0	1906.9
5°	1832.3	1899.1	1952.4	2008.6	2030.8
7.5°	1820.7	1928.2	2026.0	2099.6	2130.6
10°	1803.3	1953.4	2079.3	2173.2	2209.0
12.5°	1780.0	1972.7	2122.8	2226.5	2263.3
15°	1751.9	1978.5	2149.0	2259.4	2299.1
17.5°	1718.0	1973.7	2156.7	2268.1	2305.9
20°	1679.3	1959.2	2148.0	2255.5	2291.4
22.5°	1635.7	1934.0	2120.9	2223.6	2258.4
25°	1585.4	1894.3	2076.4	2175.1	2203.2
27.5°	1530.2	1843.0	2019.2	2109.3	2130.6
30°	1470.1	1780.0	1949.5	2029.9	2050.2
32.5°	1403.3	1707.4	1866.2	1936.9	1952.4
35°	1331.6	1627.0	1775.2	1835.2	1846.8
37.5°	1260.0	1538.9	1678.3	1726.7	1731.6
40°	1180.5	1447.8	1577.6	1615.4	1613.4
42.5°	1098.2	1354.9	1476.9	1504.0	1497.2
45°	1014.0	1262.9	1379.1	1393.6	1382.9
47.5°	929.7	1171.8	1284.2	1289.0	1274.5
50°	847.4	1086.6	1196.0	1190.2	1172.8
52.5°	769.0	1008.2	1111.8	1097.3	1079.8
55°	693.4	933.6	1032.4	1012.0	995.6
57.5°	622.7	865.8	958.8	933.6	918.1
60°	558.8	799.9	890.0	860.0	837.7
62.5°	498.8	738.9	825.1	782.5	757.3
65°	444.5	680.8	764.1	704.1	679.9
67.5°	395.1	624.7	701.2	628.5	605.3
70°	347.7	573.3	630.5	555.9	534.6
72.5°	302.2	522.0	559.8	485.2	465.8
75°	259.5	470.7	485.2	415.5	400.0
77.5°	216.0	418.4	409.7	349.6	334.1
80°	171.4	353.5	334.1	280.9	268.3
82.5°	129.8	279.9	255.7	212.1	205.3
85°	87.2	195.6	172.4	141.4	136.6
87.5°	45.5	104.6	86.2	68.8	67.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)