

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: P798159

Luminaire Tested: 14GRSCT3-F1-UNV-MID-3000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798159  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2311-232-49)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 14GRSCT3-F1-UNV-MID-3000K  
Description: GRLED Selectable  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

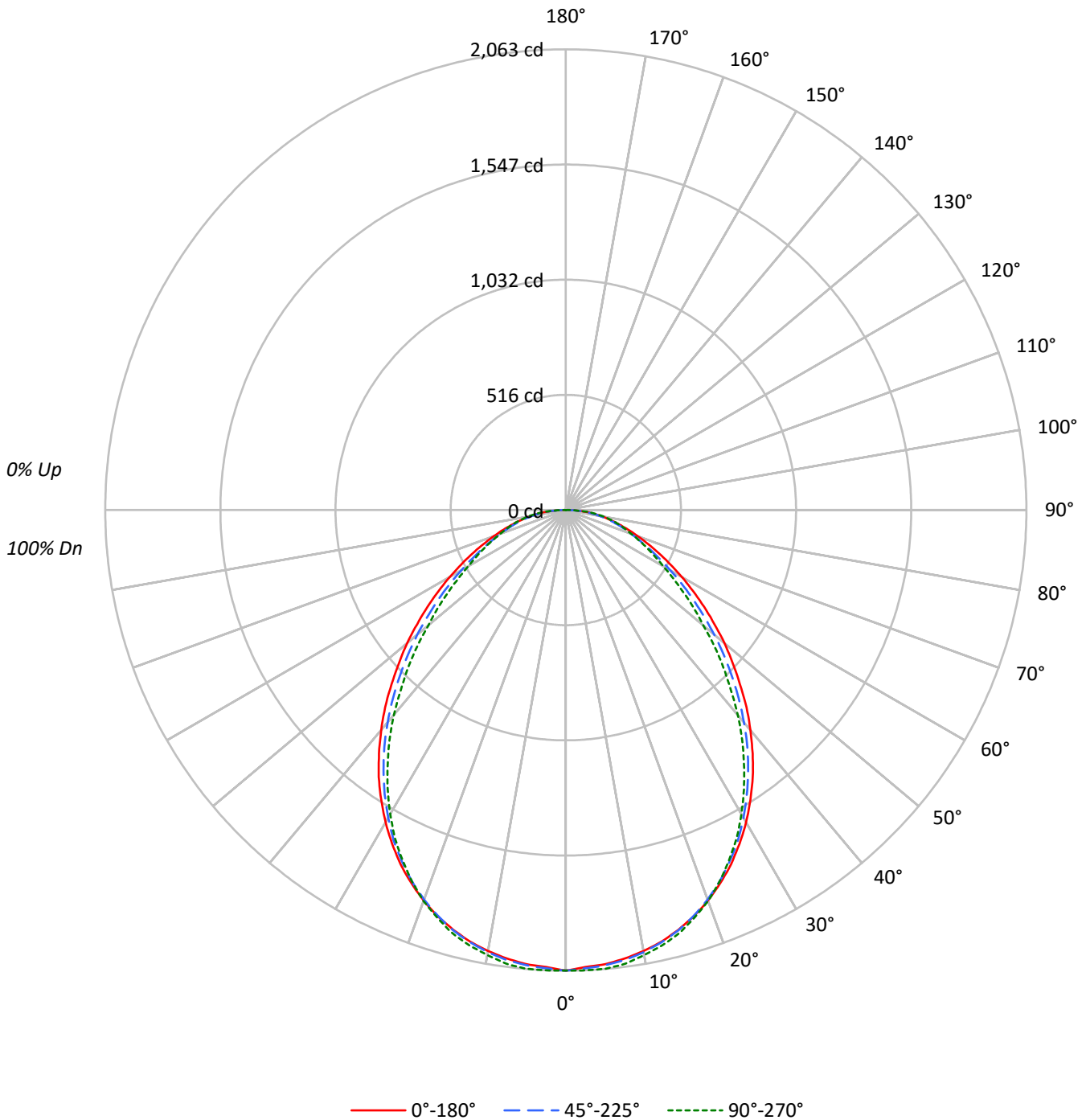
Lumens per Lamp: N/A  
Luminaire Lumens: 4640.0 lumens  
Efficiency: N/A  
Efficacy: 117.8 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.15 / 1.23  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 39.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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				
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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	75	73
3	92	82	75	68	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	64	62
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	65	60	56	56	56	56	54
5	78	66	58	52	76	65	57	51	63	56	51	61	55	50	59	54	50	50	50	50	48
6	73	60	52	46	71	59	51	45	57	50	45	56	49	45	54	49	44	44	44	44	42
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	40	40	40	38
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	36	36	36	34
9	59	46	39	33	58	46	38	33	45	38	33	44	37	33	43	37	33	33	33	33	31
10	56	43	35	30	54	42	35	30	41	35	30	41	34	30	40	34	30	30	30	30	28

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	5550	5550	5550
5°	5514	5527	5570
10°	5480	5493	5529
15°	5421	5429	5467
20°	5331	5317	5335
25°	5198	5156	5136
30°	5018	4944	4886
35°	4797	4677	4571
40°	4519	4360	4210
45°	4198	4002	3801
50°	3882	3633	3367
55°	3544	3259	3021
60°	3231	2911	2715
65°	2933	2633	2556
70°	2702	2437	2460
75°	2559	2380	2537
80°	2538	2428	2717
85°	2674	2563	2961

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4198 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	194.7	4.2
10°-20°	550.0	11.9
20°-30°	800.1	17.2
30°-40°	890.2	19.2
40°-50°	812.5	17.5
50°-60°	625.7	13.5
60°-70°	421.7	9.1
70°-80°	252.2	5.4
80°-90°	93.0	2.0
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°	1544.8	33.3
0°-40°	2434.9	52.5
0°-60°	3873.1	83.5
0°-90°	4640.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4640.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2063	2063	2063	2063	2063	
5°	2041	2063	2046	2049	2062	194
15°	1946	1962	1949	1950	1962	548
25°	1751	1759	1736	1729	1730	805
35°	1460	1456	1424	1400	1392	911
45°	1103	1095	1052	1014	999	852
55°	756	736	695	656	644	678
65°	461	442	414	401	401	460
75°	246	238	229	238	244	263
85°	87	83	83	97	96	92
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2062.6	2062.6	2062.6	2062.6	2062.6
2.5°	2048.3	2071.2	2054.0	2058.3	2063.3
5°	2041.2	2062.6	2046.2	2049.0	2061.9
7.5°	2025.4	2048.3	2031.9	2034.0	2049.0
10°	2005.4	2026.1	2010.4	2012.5	2023.3
12.5°	1979.6	1998.2	1982.5	1983.9	1996.8
15°	1946.0	1962.5	1948.9	1950.3	1962.5
17.5°	1907.4	1922.4	1905.2	1905.9	1914.5
20°	1861.6	1875.2	1856.6	1852.3	1863.0
22.5°	1808.6	1819.4	1800.1	1793.6	1800.8
25°	1750.7	1758.6	1736.4	1729.2	1729.9
27.5°	1684.9	1691.3	1669.1	1655.5	1657.0
30°	1614.8	1616.2	1591.1	1575.4	1572.5
32.5°	1538.9	1539.6	1509.6	1492.4	1484.5
35°	1460.2	1455.9	1423.7	1400.1	1391.5
37.5°	1374.4	1369.4	1335.7	1307.1	1297.8
40°	1286.4	1279.2	1241.3	1210.5	1198.4
42.5°	1197.7	1188.4	1146.9	1113.9	1093.9
45°	1103.2	1095.3	1051.7	1013.8	998.8
47.5°	1013.8	1003.1	958.7	918.6	902.9
50°	927.2	911.5	867.8	825.6	804.2
52.5°	839.2	822.0	777.7	736.9	723.3
55°	755.5	736.2	694.7	656.1	643.9
57.5°	675.4	656.1	615.3	581.7	570.2
60°	600.3	578.8	540.9	513.7	504.4
62.5°	528.0	507.2	475.1	453.6	449.3
65°	460.7	442.1	413.5	400.6	401.4
67.5°	399.9	383.5	359.9	355.6	353.4
70°	343.4	329.8	309.8	311.9	312.6
72.5°	292.6	281.9	270.4	273.3	277.6
75°	246.1	238.2	228.9	237.5	244.0
77.5°	203.9	196.0	192.5	202.5	208.2
80°	163.8	157.4	156.7	168.1	175.3
82.5°	124.5	120.2	119.5	132.4	137.4
85°	86.6	83.0	83.0	96.6	95.9
87.5°	46.5	45.1	42.2	50.8	45.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)