

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: P798168

Luminaire Tested: 14GRSCT3-F125-UNV-MID-3000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798168  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P290788)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 14GRSCT3-F125-UNV-MID-3000K  
Description: GRLED Selectable  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

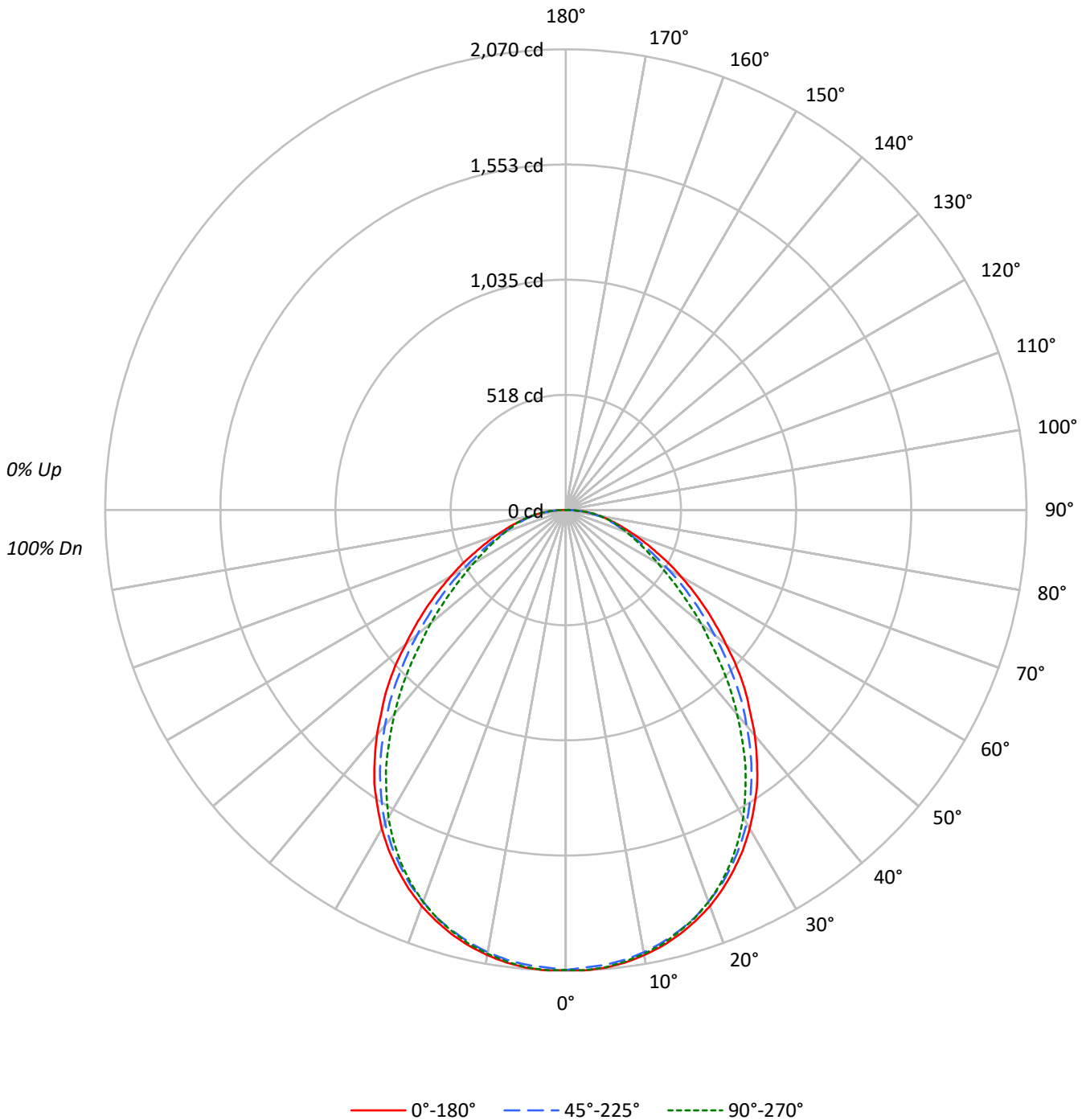
Lumens per Lamp: N/A  
Luminaire Lumens: 4640.0 lumens  
Efficiency: N/A  
Efficacy: 117.8 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.16 / 1.24  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	88	88	88	85
2	101	93	87	81	98	91	85	80	88	83	78	84	80	77	81	78	75	75	75	75	73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	65	65	65	63
4	85	74	66	59	83	73	65	59	70	64	58	68	62	58	66	61	57	57	57	57	55
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	50	50	50	48
6	73	60	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	45	45	45	43
7	68	55	47	41	66	54	47	41	53	46	41	51	45	40	50	44	40	40	40	40	38
8	64	51	43	37	62	50	42	37	49	42	37	47	41	36	46	41	36	36	36	36	34
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	33	33	33	31
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	30	30	30	28

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

	0°	45°	90°
0°	5562	5562	5562
5°	5575	5540	5569
10°	5550	5515	5532
15°	5501	5458	5467
20°	5424	5364	5368
25°	5300	5236	5200
30°	5137	5049	4954
35°	4927	4783	4626
40°	4641	4442	4208
45°	4327	4066	3763
50°	3934	3648	3324
55°	3582	3235	2898
60°	3211	2849	2574
65°	2864	2537	2365
70°	2604	2313	2288
75°	2434	2253	2367
80°	2448	2331	2464
85°	2553	2387	2726

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4327 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.5	4.2
10°-20°	554.1	11.9
20°-30°	812.4	17.5
30°-40°	906.8	19.5
40°-50°	821.0	17.7
50°-60°	619.9	13.4
60°-70°	405.2	8.7
70°-80°	238.0	5.1
80°-90°	87.1	1.9
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°	1562.0	33.7
0°-40°	2468.8	53.2
0°-60°	3909.7	84.3
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°	2067	2067	2067	2067	2067	
5°	2064	2059	2051	2063	2062	196
15°	1974	1971	1959	1970	1962	556
25°	1785	1778	1763	1760	1751	821
35°	1500	1487	1456	1423	1408	934
45°	1137	1120	1068	1011	989	874
55°	763	746	690	635	618	683
65°	450	436	398	376	372	451
75°	234	228	217	221	228	251
85°	83	80	77	87	88	88
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2067.0	2067.0	2067.0	2067.0	2067.0
2.5°	2070.5	2067.0	2057.2	2070.5	2069.2
5°	2063.8	2059.4	2050.8	2062.9	2061.6
7.5°	2050.8	2046.4	2037.6	2048.6	2046.4
10°	2031.2	2026.8	2018.2	2030.0	2024.6
12.5°	2006.2	2001.8	1991.9	2002.7	1998.6
15°	1974.5	1971.3	1959.3	1970.1	1962.5
17.5°	1936.5	1930.8	1922.3	1928.9	1923.2
20°	1894.0	1887.4	1873.2	1879.8	1874.4
22.5°	1842.8	1833.9	1824.1	1824.1	1816.5
25°	1785.1	1778.5	1763.3	1760.1	1751.2
27.5°	1723.0	1717.6	1698.0	1692.3	1677.1
30°	1653.3	1645.7	1624.9	1607.4	1594.4
32.5°	1576.0	1570.4	1542.2	1519.4	1500.7
35°	1499.7	1486.7	1456.0	1423.4	1408.2
37.5°	1410.4	1400.6	1362.6	1322.1	1301.5
40°	1321.1	1309.1	1264.4	1219.8	1197.9
42.5°	1224.2	1213.1	1170.7	1117.4	1094.6
45°	1137.1	1119.6	1068.4	1010.7	988.9
47.5°	1041.1	1022.7	968.2	907.1	882.1
50°	939.8	928.0	871.3	812.4	794.0
52.5°	849.5	831.1	777.6	719.9	700.3
55°	763.4	745.9	689.5	635.0	617.6
57.5°	677.5	657.8	608.8	559.7	542.3
60°	596.7	577.1	529.3	489.0	478.2
62.5°	523.9	502.0	459.6	427.9	420.3
65°	449.8	435.5	398.5	375.7	371.5
67.5°	387.7	370.3	340.8	330.0	327.8
70°	331.0	319.0	294.0	290.8	290.8
72.5°	280.0	270.2	251.5	253.7	256.9
75°	234.1	227.7	216.7	221.1	227.7
77.5°	194.8	188.4	181.8	188.4	192.9
80°	158.0	151.4	150.4	155.8	159.0
82.5°	118.8	113.4	114.3	123.2	126.4
85°	82.7	79.5	77.3	87.1	88.3
87.5°	42.4	40.2	39.3	46.9	44.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)