

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P798170

Luminaire Tested: 14GRSCT3-F125-UNV-MID-4000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798170  
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-4000K  
Description: GRLED Selectable  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

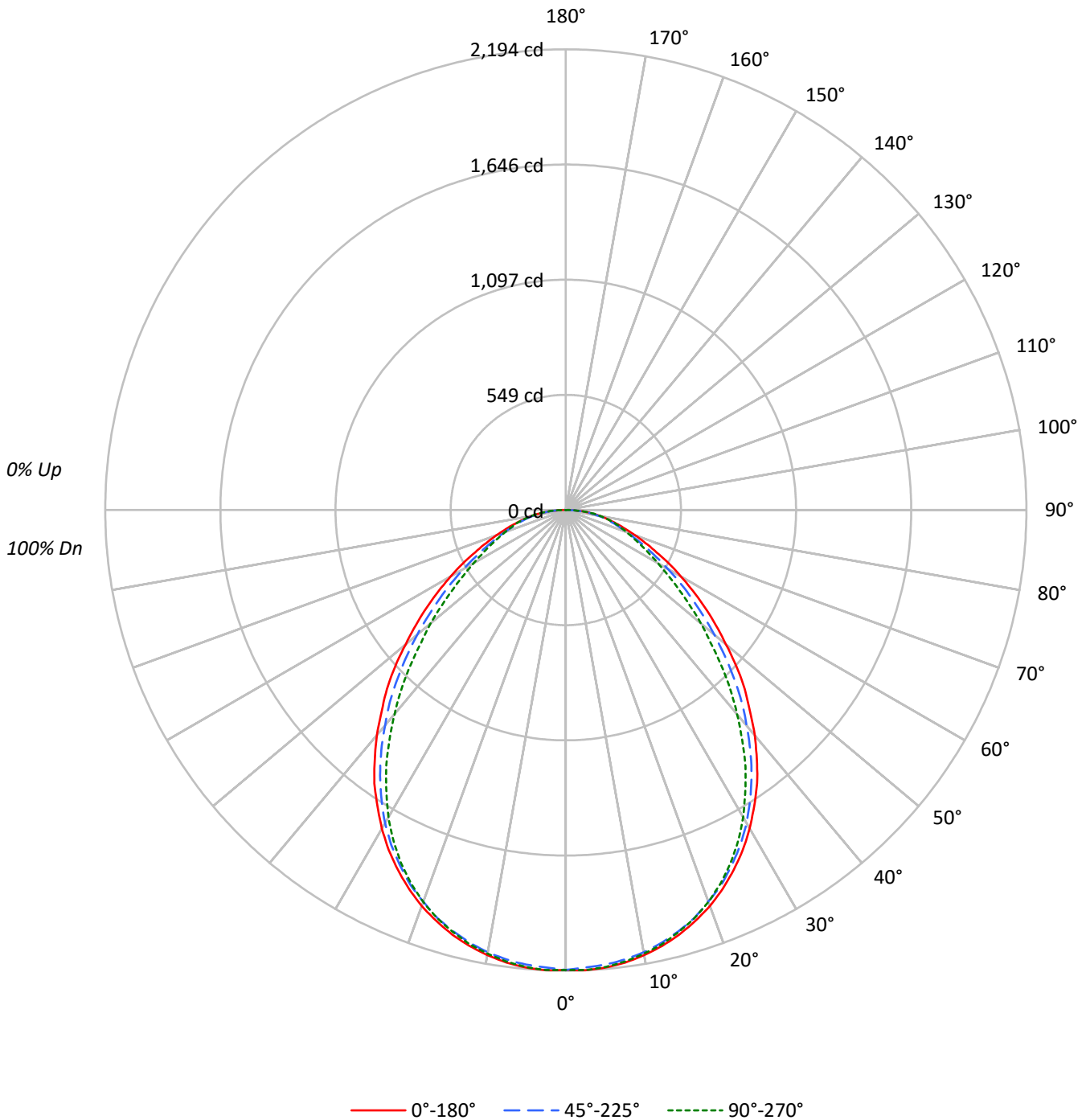
Lumens per Lamp: N/A  
Luminaire Lumens: 4917.0 lumens  
Efficiency: N/A  
Efficacy: 125.4 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.16 / 1.24  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 39.2  
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: P798170  
CATALOG NUMBER: 14GRSCT3-F125-UNV-MID-4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P798170

CATALOG NUMBER: 14GRSCT3-F125-UNV-MID-4000K

**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°	5894	5894	5894
5°	5908	5871	5901
10°	5882	5844	5862
15°	5829	5784	5794
20°	5748	5684	5688
25°	5617	5548	5510
30°	5444	5350	5250
35°	5221	5069	4902
40°	4918	4707	4459
45°	4585	4308	3988
50°	4169	3865	3522
55°	3795	3428	3071
60°	3404	3019	2728
65°	3035	2689	2507
70°	2760	2451	2424
75°	2580	2387	2509
80°	2596	2470	2611
85°	2705	2529	2890

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4585 cd/sqm



TEST NUMBER: P798170  
 CATALOG NUMBER: 14GRSCT3-F125-UNV-MID-4000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.1	4.2
10°-20°	587.2	11.9
20°-30°	861.0	17.5
30°-40°	960.9	19.5
40°-50°	870.0	17.7
50°-60°	656.9	13.4
60°-70°	429.4	8.7
70°-80°	252.2	5.1
80°-90°	92.3	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°	1655.3	33.7
0°-40°	2616.2	53.2
0°-60°	4143.1	84.3
0°-90°	4917.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4917.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2190	2190	2190	2190	2190	
5°	2187	2182	2173	2186	2185	208
15°	2092	2089	2076	2088	2080	590
25°	1892	1885	1868	1865	1856	870
35°	1589	1576	1543	1508	1492	990
45°	1205	1186	1132	1071	1048	926
55°	809	790	731	673	654	724
65°	477	462	422	398	394	478
75°	248	241	230	234	241	267
85°	88	84	82	92	94	93
90°	0	0	0	0	0	



TEST NUMBER: P798170

CATALOG NUMBER: 14GRSCT3-F125-UNV-MID-4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2190.4	2190.4	2190.4	2190.4	2190.4
2.5°	2194.1	2190.4	2180.0	2194.1	2192.8
5°	2187.0	2182.4	2173.3	2186.0	2184.7
7.5°	2173.3	2168.6	2159.2	2170.9	2168.6
10°	2152.5	2147.8	2138.7	2151.2	2145.4
12.5°	2125.9	2121.3	2110.9	2122.3	2117.9
15°	2092.4	2089.0	2076.3	2087.7	2079.7
17.5°	2052.1	2046.1	2037.0	2044.0	2038.1
20°	2007.1	2000.1	1985.0	1992.0	1986.3
22.5°	1952.8	1943.4	1933.0	1933.0	1924.9
25°	1891.7	1884.6	1868.5	1865.1	1855.8
27.5°	1825.9	1820.2	1799.4	1793.4	1777.3
30°	1752.0	1744.0	1721.9	1703.4	1689.6
32.5°	1670.1	1664.1	1634.2	1610.1	1590.3
35°	1589.3	1575.5	1543.0	1508.4	1492.3
37.5°	1494.6	1484.2	1443.9	1401.0	1379.2
40°	1400.0	1387.2	1339.9	1292.6	1269.4
42.5°	1297.3	1285.5	1240.6	1184.1	1160.0
45°	1204.9	1186.5	1132.1	1071.0	1047.9
47.5°	1103.3	1083.8	1026.0	961.3	934.8
50°	995.9	983.4	923.3	860.9	841.4
52.5°	900.2	880.7	824.0	762.9	742.1
55°	808.9	790.5	730.7	672.9	654.5
57.5°	717.9	697.1	645.1	593.1	574.6
60°	632.4	611.6	560.9	518.2	506.8
62.5°	555.1	532.0	487.0	453.5	445.4
65°	476.6	461.5	422.3	398.1	393.7
67.5°	410.8	392.4	361.2	349.7	347.4
70°	350.8	338.0	311.5	308.1	308.1
72.5°	296.7	286.3	266.5	268.9	272.2
75°	248.1	241.3	229.6	234.3	241.3
77.5°	206.5	199.7	192.7	199.7	204.4
80°	167.5	160.4	159.4	165.1	168.5
82.5°	125.9	120.1	121.2	130.5	133.9
85°	87.6	84.2	81.9	92.3	93.6
87.5°	45.0	42.6	41.6	49.7	47.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)