

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: P798216

Luminaire Tested: 22GRSCT3-F125-UNV-HIGH-3000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798216  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P291964)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 22GRSCT3-F125-UNV-HIGH-3000K  
Description: GRLED Selectable  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

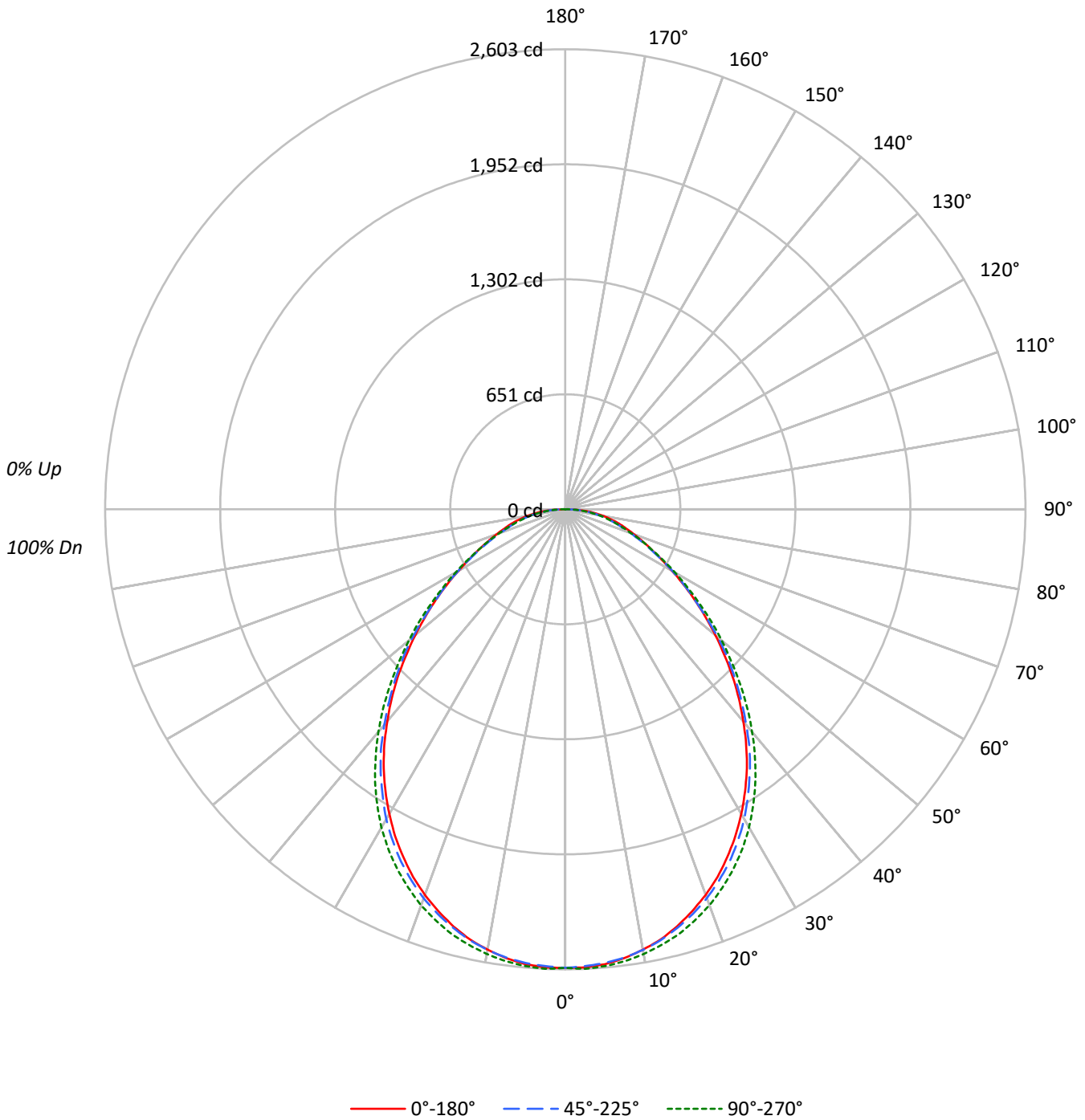
Lumens per Lamp: N/A  
Luminaire Lumens: 5910.0 lumens  
Efficiency: N/A  
Efficacy: 116.1 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.19 / 1.24  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 50.9  
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: P798216  
CATALOG NUMBER: 22GRSCT3-F125-UNV-HIGH-3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P798216

CATALOG NUMBER: 22GRSCT3-F125-UNV-HIGH-3000K

**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	97	107	103	99	96	99	96	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	69	90	81	74	68	78	72	67	75	70	66	73	68	65	65	65	65	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	45	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	36	62	50	42	36	48	41	36	47	41	36	46	40	36	36	36	36	34
9	59	46	38	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	40	34	30	40	34	30	30	30	30	28

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

	0°	45°	90°
0°	6981	6981	6981
5°	6979	6961	7008
10°	6913	6917	6981
15°	6808	6831	6930
20°	6648	6708	6829
25°	6442	6531	6673
30°	6187	6293	6460
35°	5883	5978	6162
40°	5501	5593	5775
45°	5093	5171	5323
50°	4639	4713	4834
55°	4188	4201	4323
60°	3756	3771	3859
65°	3422	3353	3432
70°	3258	3076	3129
75°	3278	2966	2979
80°	3398	2996	2975
85°	3730	3174	3004

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5323 cd/sqm



TEST NUMBER: P798216  
 CATALOG NUMBER: 22GRSCT3-F125-UNV-HIGH-3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	245.1	4.1
10°-20°	692.4	11.7
20°-30°	1013.5	17.1
30°-40°	1139.5	19.3
40°-50°	1050.8	17.8
50°-60°	809.9	13.7
60°-70°	534.4	9.0
70°-80°	311.0	5.3
80°-90°	113.3	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°	1951.0	33.0
0°-40°	3090.5	52.3
0°-60°	4951.2	83.8
0°-90°	5910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5910.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2594	2594	2594	2594	2594	
5°	2584	2578	2577	2589	2594	245
15°	2444	2444	2452	2474	2488	688
25°	2170	2180	2200	2230	2248	998
35°	1791	1799	1820	1857	1876	1117
45°	1338	1340	1359	1386	1399	1031
55°	893	891	896	911	922	801
65°	537	535	527	531	539	539
75°	315	302	285	280	286	332
85°	121	119	103	94	97	128
90°	0	0	0	0	0	

TEST NUMBER: P798216

CATALOG NUMBER: 22GRSCT3-F125-UNV-HIGH-3000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2594.4	2594.4	2594.4	2594.4	2594.4
2.5°	2594.4	2588.8	2587.6	2597.2	2602.8
5°	2583.6	2578.0	2576.8	2588.8	2594.4
7.5°	2561.6	2557.6	2558.8	2572.4	2579.6
10°	2530.0	2528.8	2531.5	2546.4	2554.8
12.5°	2493.1	2491.6	2497.2	2513.6	2524.4
15°	2443.6	2443.6	2451.9	2473.9	2487.6
17.5°	2384.7	2388.8	2401.1	2423.1	2438.3
20°	2321.5	2325.6	2342.3	2366.8	2384.7
22.5°	2251.5	2257.1	2273.5	2303.9	2318.7
25°	2169.5	2180.3	2199.5	2229.9	2247.5
27.5°	2084.3	2096.7	2114.6	2151.5	2167.9
30°	1991.0	1999.4	2025.4	2059.8	2079.0
32.5°	1892.2	1900.6	1922.6	1963.8	1980.2
35°	1790.9	1799.0	1819.8	1856.6	1875.8
37.5°	1681.3	1688.1	1712.9	1741.7	1762.1
40°	1566.1	1575.7	1592.1	1626.5	1644.1
42.5°	1453.6	1457.7	1475.6	1509.7	1523.6
45°	1338.4	1339.6	1358.9	1386.4	1398.8
47.5°	1219.2	1221.9	1245.2	1261.6	1274.0
50°	1108.0	1109.5	1125.9	1140.8	1154.7
52.5°	997.1	997.1	1005.1	1021.5	1039.5
55°	892.7	891.4	895.5	910.6	921.5
57.5°	793.9	792.6	798.2	807.8	815.9
60°	697.9	695.4	700.6	706.2	717.1
62.5°	613.0	615.8	609.0	617.0	625.4
65°	537.4	534.9	526.6	530.6	539.0
67.5°	473.0	469.0	455.3	458.1	467.7
70°	414.1	405.8	390.9	390.9	397.7
72.5°	360.5	352.5	333.3	334.5	337.3
75°	315.3	301.7	285.3	279.7	286.5
77.5°	266.1	254.9	240.1	235.7	238.5
80°	219.3	211.2	193.3	188.0	192.0
82.5°	174.1	167.3	146.8	142.5	144.0
85°	120.8	119.3	102.8	94.5	97.3
87.5°	64.4	66.0	53.6	48.0	50.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)