

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: P798198

Luminaire Tested: 22GRSCT3-A125-UNV-HIGH-3000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798198  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P292356)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 22GRSCT3-A125-UNV-HIGH-3000K  
Description: GRLED Selectable  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

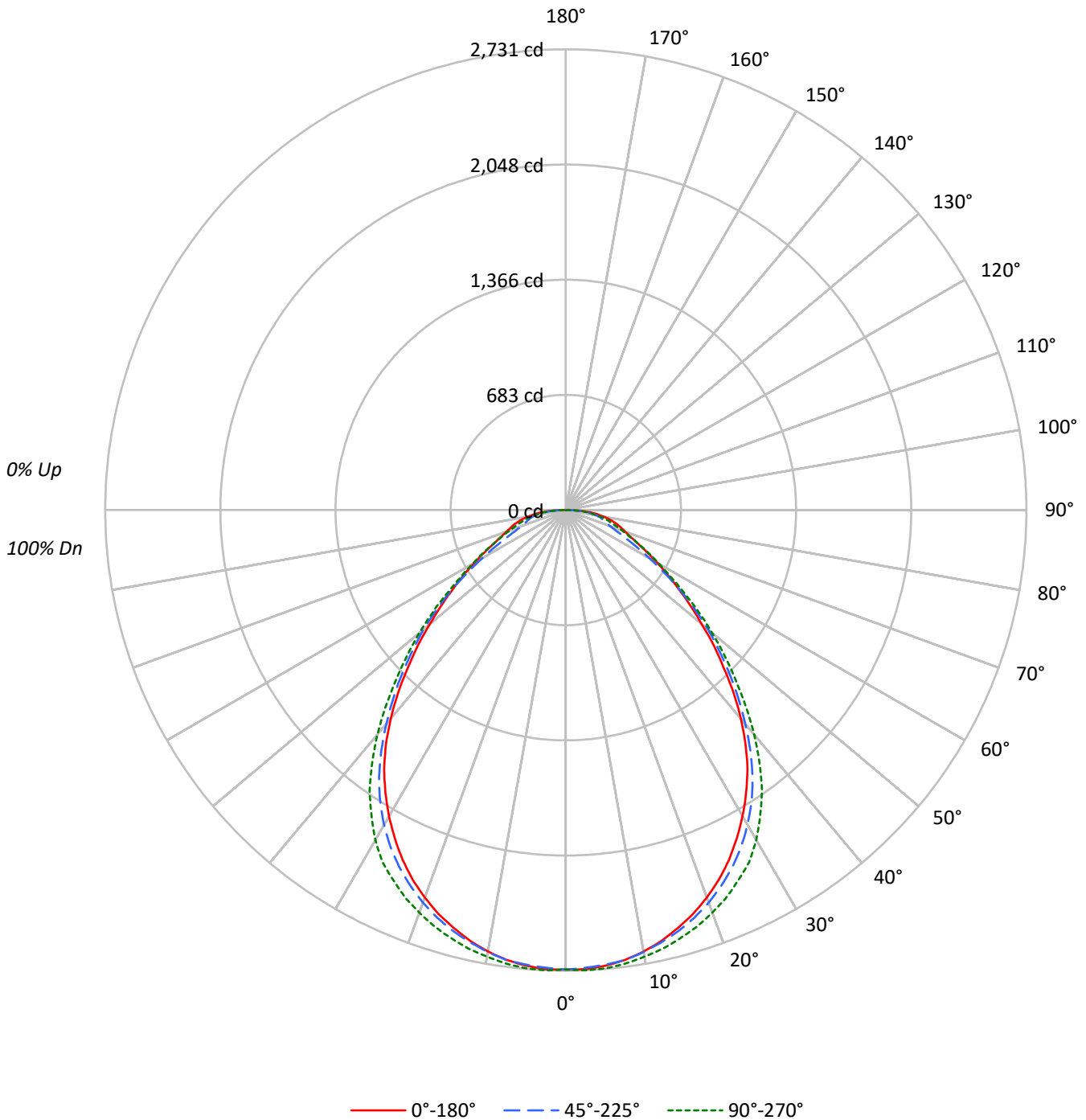
Lumens per Lamp: N/A  
Luminaire Lumens: 5910.0 lumens  
Efficiency: N/A  
Efficacy: 116.1 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.22 / 1.24  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

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



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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	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	88	88	88	86	
2	101	94	87	82	98	92	86	81	88	83	79	85	81	78	82	79	76	76	76	76	74	
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	66	66	66	64	
4	86	75	67	61	84	74	66	60	71	65	59	69	63	59	67	62	58	58	58	58	56	
5	80	68	59	53	78	67	59	53	65	58	52	63	57	52	61	56	51	51	51	51	49	
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	46	46	46	44	
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	46	41	41	41	41	39	
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	37	37	37	36	
9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34	34	34	34	32	
10	57	44	37	32	55	44	36	32	43	36	31	42	36	31	41	35	31	31	31	31	29	

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

	0°	45°	90°
0°	7331	7331	7331
5°	7325	7307	7367
10°	7263	7270	7346
15°	7148	7197	7321
20°	7001	7091	7273
25°	6795	6935	7188
30°	6513	6696	7017
35°	6170	6342	6663
40°	5673	5814	6104
45°	5040	5224	5412
50°	4402	4603	4742
55°	3827	3879	4022
60°	3367	3085	3434
65°	2992	2467	3010
70°	2937	2190	2776
75°	3209	2406	2836
80°	3522	2861	3030
85°	4211	3316	3402

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 5412 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	257.5	4.4
10°-20°	730.1	12.4
20°-30°	1077.9	18.2
30°-40°	1206.1	20.4
40°-50°	1059.2	17.9
50°-60°	749.5	12.7
60°-70°	436.3	7.4
70°-80°	271.9	4.6
80°-90°	121.6	2.1
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°	2065.5	34.9
0°-40°	3271.6	55.4
0°-60°	5080.2	86.0
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°	2724	2724	2724	2724	2724	
5°	2712	2705	2705	2719	2727	257
15°	2566	2571	2584	2611	2628	723
25°	2289	2298	2336	2391	2421	1051
35°	1878	1886	1930	1988	2028	1168
45°	1324	1339	1373	1406	1422	1024
55°	816	832	827	842	857	737
65°	470	433	387	422	473	477
75°	309	266	231	237	273	322
85°	136	142	107	105	110	139
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2724.2	2724.2	2724.2	2724.2	2724.2
2.5°	2724.2	2718.6	2715.8	2725.5	2731.1
5°	2711.8	2704.9	2704.9	2718.6	2727.1
7.5°	2689.7	2682.8	2691.2	2703.4	2711.8
10°	2657.9	2655.4	2660.7	2677.2	2688.4
12.5°	2616.8	2618.1	2623.7	2649.8	2663.5
15°	2565.8	2571.4	2583.5	2611.2	2627.7
17.5°	2510.6	2514.7	2534.0	2565.8	2589.1
20°	2444.6	2452.7	2476.1	2516.2	2539.6
22.5°	2371.5	2381.1	2410.1	2458.3	2487.3
25°	2288.6	2298.3	2335.6	2390.8	2421.0
27.5°	2195.2	2210.2	2251.6	2312.3	2353.4
30°	2095.9	2108.3	2155.0	2223.9	2258.4
32.5°	1989.7	2005.0	2048.9	2115.2	2145.4
35°	1878.2	1886.3	1930.5	1988.5	2028.3
37.5°	1751.5	1755.6	1797.0	1850.5	1886.3
40°	1614.8	1617.6	1655.0	1706.0	1737.5
42.5°	1473.1	1474.4	1514.2	1552.8	1580.6
45°	1324.3	1339.2	1372.6	1405.6	1422.1
47.5°	1190.4	1201.6	1231.8	1260.8	1276.0
50°	1051.5	1078.9	1099.5	1114.7	1132.8
52.5°	931.6	955.0	960.3	978.4	993.6
55°	815.8	832.3	826.7	842.0	857.2
57.5°	718.0	709.6	691.9	718.0	737.3
60°	625.6	603.5	573.2	609.1	638.0
62.5°	543.0	507.2	469.9	505.7	553.9
65°	469.9	432.8	387.4	421.6	472.7
67.5°	414.8	376.1	322.6	356.8	407.9
70°	373.3	333.5	278.4	307.3	352.8
72.5°	340.3	297.7	249.4	268.7	307.3
75°	308.6	265.9	231.4	237.0	272.8
77.5°	271.5	239.8	212.0	209.6	237.0
80°	227.3	217.7	184.6	180.6	195.5
82.5°	187.4	183.4	151.6	147.6	152.9
85°	136.4	142.0	107.4	104.6	110.2
87.5°	71.6	78.5	56.4	59.2	60.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)