

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: P798146

Luminaire Tested: 14GRSCT3-A125-UNV-HIGH-4000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798146  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P291180)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 14GRSCT3-A125-UNV-HIGH-4000K  
Description: GRLED Selectable  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

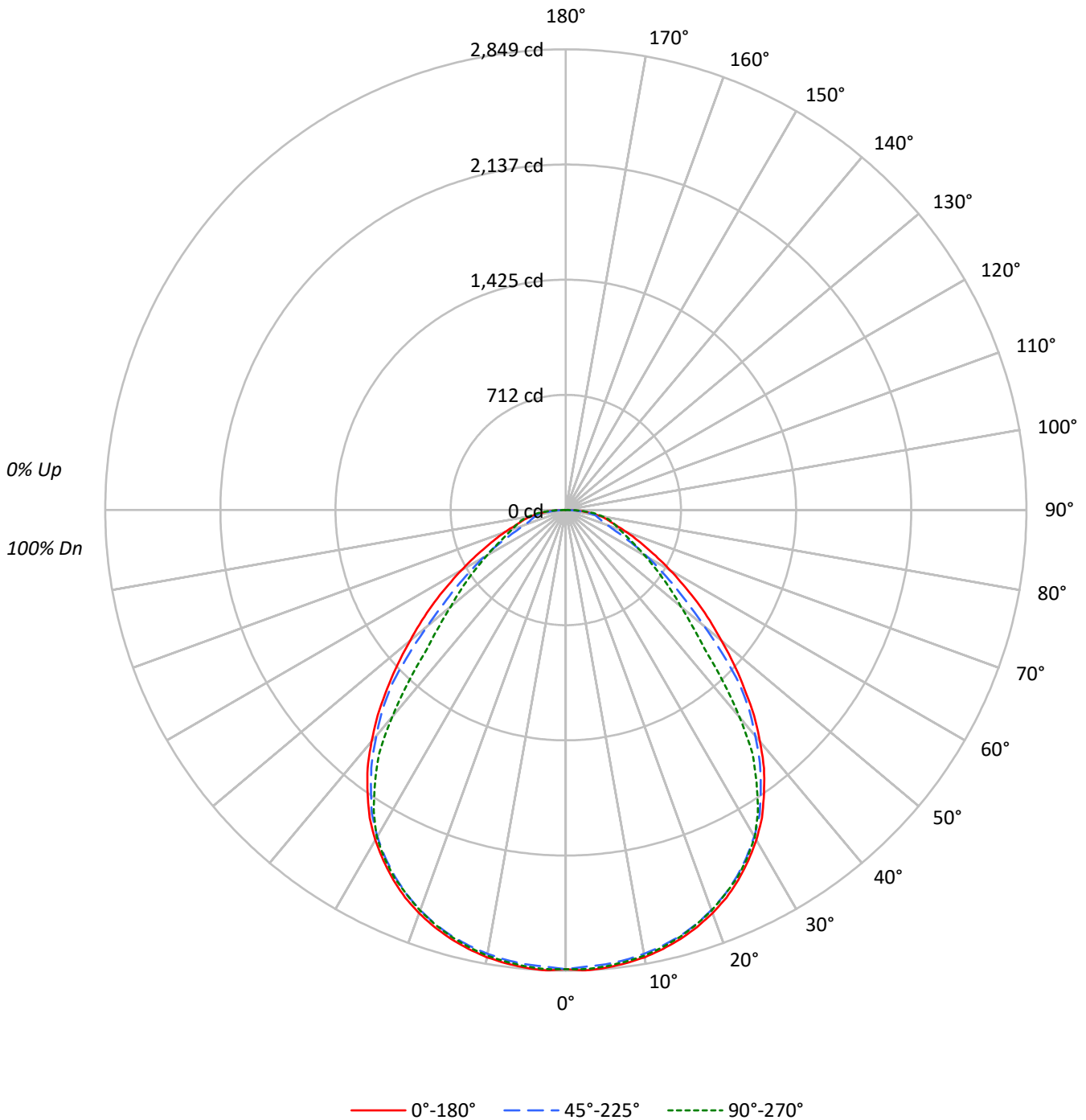
Lumens per Lamp: N/A  
Luminaire Lumens: 6221.6 lumens  
Efficiency: N/A  
Efficacy: 117.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.21 / 1.26  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 52.9  
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									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	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	102	102	102	102	102	102	102	100																	
	1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	88	88	88	88	88	88	88	88	88	88	86																	
	2	101	94	88	82	99	92	86	82	88	84	80	85	81	78	82	79	76	76	76	76	76	76	76	76	76	76	74																		
	3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	66	66	66	66	66	66	66	66	66	64																		
	4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	58	58	58	58	58	58	58	58	56																			
	5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	52	52	52	52	52	52	52	52	50																			
	6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	46	46	46	46	46	46	46	46	44																			
	7	69	56	48	43	67	56	48	42	54	47	42	53	47	42	52	46	42	42	42	42	42	42	42	42	42	40																			
	8	65	52	44	38	63	51	44	38	50	43	38	49	42	38	48	42	38	38	38	38	38	38	38	38	38	36																			
	9	60	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	34	34	34	34	34	34	34	34	33																			
	10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	35	31	31	31	31	31	31	31	31	31	30																			

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

	0°	45°	90°
0°	7640	7640	7640
5°	7676	7618	7653
10°	7674	7616	7647
15°	7648	7600	7612
20°	7597	7539	7548
25°	7495	7427	7448
30°	7324	7243	7261
35°	7023	6904	6756
40°	6566	6404	5877
45°	5943	5772	4609
50°	5257	4671	3886
55°	4652	3839	3427
60°	4015	3177	3037
65°	3491	2527	2793
70°	3157	2170	2794
75°	3030	2266	3121
80°	3377	2889	3643
85°	3566	3072	4369

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 5960 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	269.3	4.3
10°-20°	771.8	12.4
20°-30°	1155.0	18.6
30°-40°	1307.4	21.0
40°-50°	1113.7	17.9
50°-60°	754.1	12.1
60°-70°	450.2	7.2
70°-80°	281.3	4.5
80°-90°	118.9	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°	2196.1	35.3
0°-40°	3503.5	56.3
0°-60°	5371.2	86.3
0°-90°	6221.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6221.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2839	2839	2839	2839	2839	
5°	2842	2835	2820	2838	2833	270
15°	2745	2735	2728	2745	2732	774
25°	2524	2517	2501	2513	2508	1161
35°	2138	2125	2102	2080	2057	1332
45°	1562	1566	1517	1293	1211	1205
55°	992	937	818	730	730	887
65°	548	458	397	424	439	553
75°	291	261	218	286	300	315
85°	116	107	100	126	142	124
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2839.2	2839.2	2839.2	2839.2	2839.2
2.5°	2849.3	2841.8	2826.2	2844.7	2841.8
5°	2841.8	2834.6	2820.3	2837.6	2833.3
7.5°	2827.5	2820.3	2807.3	2824.6	2817.4
10°	2808.6	2800.2	2787.2	2806.0	2798.5
12.5°	2780.0	2771.2	2759.8	2778.4	2768.3
15°	2745.2	2735.1	2728.0	2745.2	2732.2
17.5°	2703.3	2694.8	2684.7	2702.0	2687.6
20°	2652.8	2645.7	2632.7	2642.8	2635.6
22.5°	2595.3	2585.2	2572.2	2583.6	2573.5
25°	2524.4	2517.2	2501.3	2513.0	2508.4
27.5°	2443.7	2439.2	2420.6	2434.9	2427.8
30°	2356.9	2345.5	2330.9	2335.4	2336.7
32.5°	2257.4	2243.1	2231.4	2221.3	2211.2
35°	2137.7	2124.7	2101.6	2079.8	2056.7
37.5°	2013.5	1996.2	1973.1	1925.3	1896.7
40°	1869.1	1860.6	1822.9	1756.5	1673.0
42.5°	1722.1	1713.3	1680.1	1531.5	1440.4
45°	1561.7	1566.0	1516.8	1293.1	1211.1
47.5°	1408.9	1420.3	1313.6	1104.1	1060.9
50°	1255.7	1268.7	1115.8	954.2	928.2
52.5°	1121.4	1111.3	951.3	837.1	825.7
55°	991.6	936.6	818.3	730.5	730.5
57.5°	858.9	780.9	695.7	639.4	639.4
60°	746.1	649.5	590.3	552.9	564.3
62.5°	642.3	539.9	489.1	482.0	496.6
65°	548.3	457.6	396.8	424.4	438.7
67.5°	471.9	391.2	326.2	384.1	392.5
70°	401.3	340.5	275.8	353.5	355.1
72.5°	336.3	300.2	236.8	320.3	326.2
75°	291.4	261.2	217.9	285.9	300.2
77.5°	255.6	223.8	200.7	246.8	274.2
80°	217.9	183.4	186.4	207.8	235.1
82.5°	167.5	141.5	147.3	170.4	191.9
85°	115.5	106.7	99.5	125.5	141.5
87.5°	62.1	57.9	50.4	70.6	72.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)