

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: P798200

Luminaire Tested: 22GRSCT3-A125-UNV-HIGH-4000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798200
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-4000K
Description: GRLED Selectable
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

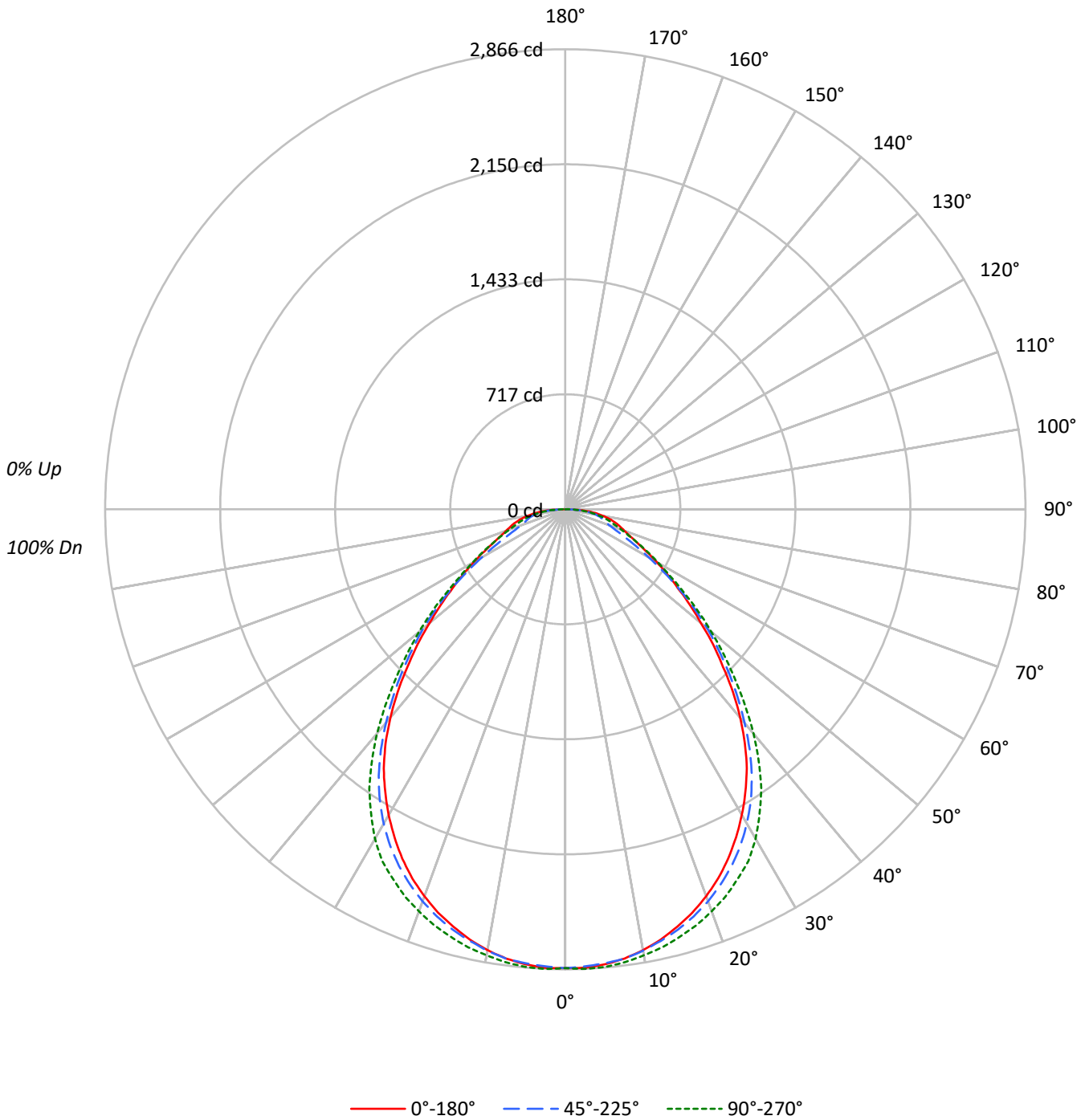
Lumens per Lamp: N/A
Luminaire Lumens: 6202.0 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.22 / 1.24
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	7693	7693	7693
5°	7687	7668	7730
10°	7621	7630	7709
15°	7501	7553	7682
20°	7346	7441	7632
25°	7131	7277	7543
30°	6834	7027	7364
35°	6475	6655	6992
40°	5953	6101	6405
45°	5289	5482	5679
50°	4620	4830	4977
55°	4016	4070	4221
60°	3533	3238	3603
65°	3140	2588	3158
70°	3083	2298	2913
75°	3367	2524	2976
80°	3696	3003	3180
85°	4418	3480	3572

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 5679 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.2	4.4
10°-20°	766.2	12.4
20°-30°	1131.1	18.2
30°-40°	1265.7	20.4
40°-50°	1111.5	17.9
50°-60°	786.5	12.7
60°-70°	457.8	7.4
70°-80°	285.3	4.6
80°-90°	127.6	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°	2167.5	34.9
0°-40°	3433.2	55.4
0°-60°	5331.2	86.0
0°-90°	6202.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6202.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2859	2859	2859	2859	2859	
5°	2846	2839	2839	2853	2862	270
15°	2692	2698	2711	2740	2758	759
25°	2402	2412	2451	2509	2541	1103
35°	1971	1980	2026	2087	2128	1226
45°	1390	1405	1440	1475	1492	1075
55°	856	873	868	884	900	774
65°	493	454	406	442	496	500
75°	324	279	243	249	286	338
85°	143	149	113	110	116	145
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2858.8	2858.8	2858.8	2858.8	2858.8
2.5°	2858.8	2853.0	2850.0	2860.2	2866.0
5°	2845.8	2838.6	2838.6	2853.0	2861.8
7.5°	2822.6	2815.4	2824.2	2837.0	2845.8
10°	2789.2	2786.6	2792.2	2809.5	2821.3
12.5°	2746.1	2747.4	2753.3	2780.8	2795.1
15°	2692.5	2698.4	2711.2	2740.2	2757.6
17.5°	2634.7	2638.9	2659.2	2692.5	2717.0
20°	2565.4	2573.9	2598.4	2640.6	2665.1
22.5°	2488.6	2498.8	2529.1	2579.8	2610.2
25°	2401.7	2411.8	2451.0	2508.9	2540.6
27.5°	2303.7	2319.4	2362.8	2426.5	2469.7
30°	2199.4	2212.5	2261.5	2333.7	2370.0
32.5°	2088.0	2104.0	2150.1	2219.7	2251.4
35°	1971.0	1979.5	2025.9	2086.7	2128.5
37.5°	1838.0	1842.3	1885.7	1942.0	1979.5
40°	1694.6	1697.5	1736.7	1790.3	1823.3
42.5°	1545.9	1547.2	1589.0	1629.6	1658.6
45°	1389.7	1405.4	1440.4	1475.0	1492.3
47.5°	1249.2	1261.0	1292.7	1323.1	1339.1
50°	1103.5	1132.2	1153.8	1169.8	1188.8
52.5°	977.7	1002.2	1007.7	1026.7	1042.7
55°	856.1	873.4	867.6	883.6	899.6
57.5°	753.5	744.7	726.1	753.5	773.8
60°	656.5	633.3	601.6	639.1	669.5
62.5°	569.9	532.3	493.1	530.7	581.3
65°	493.1	454.2	406.5	442.4	496.0
67.5°	435.2	394.7	338.5	374.5	428.1
70°	391.8	350.0	292.1	322.5	370.2
72.5°	357.2	312.4	261.7	282.0	322.5
75°	323.8	279.1	242.8	248.7	286.2
77.5°	284.9	251.6	222.5	219.9	248.7
80°	238.5	228.4	193.8	189.5	205.2
82.5°	196.7	192.5	159.1	154.9	160.4
85°	143.1	149.0	112.7	109.8	115.7
87.5°	75.2	82.3	59.1	62.1	63.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)