

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: P798256

Luminaire Tested: 24GRSCT3-A125-UNV-LOW-3500K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798256  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P293710)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 24GRSCT3-A125-UNV-LOW-3500K  
Description: GRLED Selectable  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

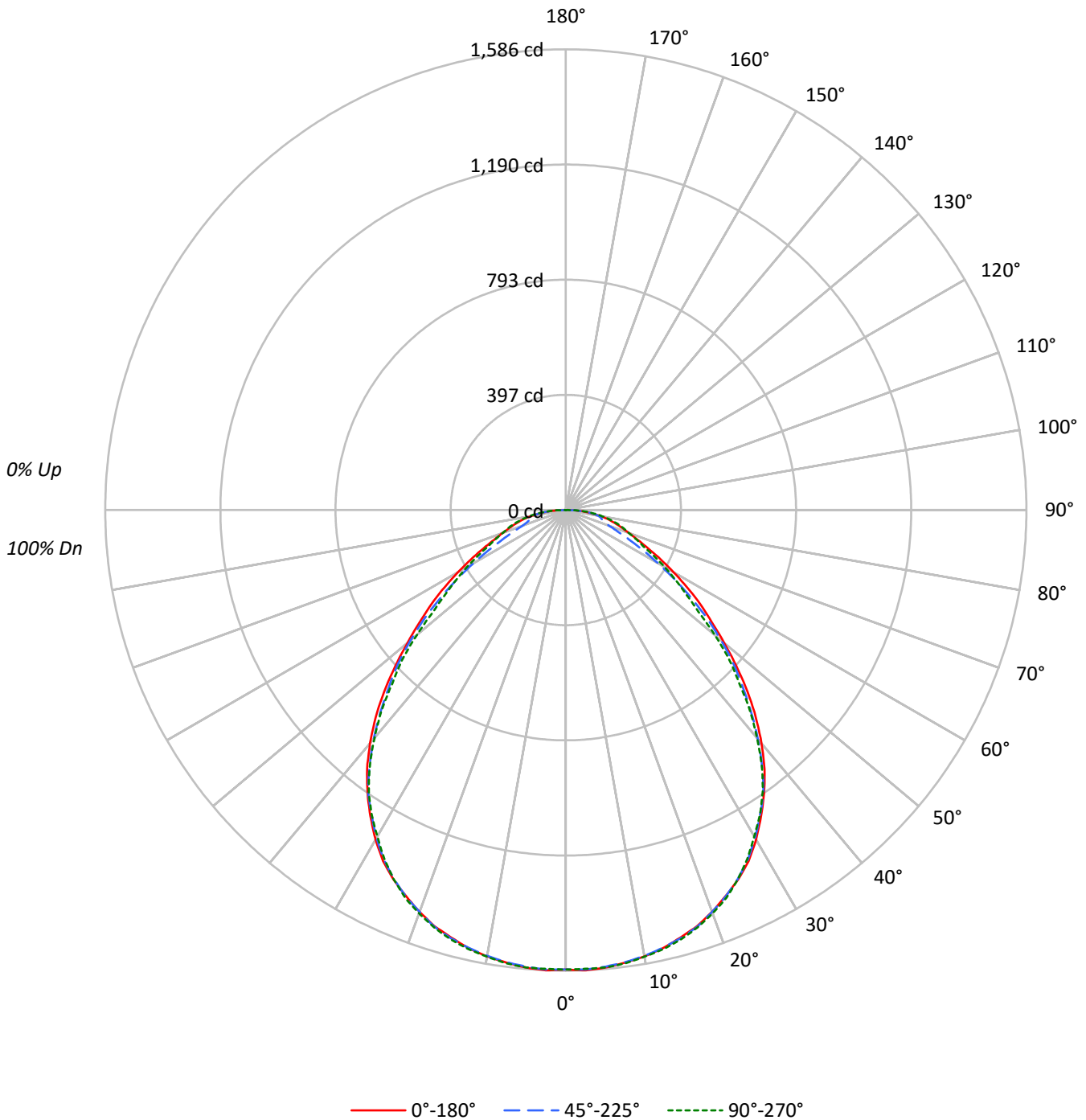
Lumens per Lamp: N/A  
Luminaire Lumens: 3619.8 lumens  
Efficiency: N/A  
Efficacy: 153.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 23.6  
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	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	88	88	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	79	76	76	76	76	74
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	73	69	66	66	66	66	64
4	86	75	66	60	83	73	66	60	71	64	59	68	63	58	66	61	57	57	57	57	55
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	51	51	51	49
6	73	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	45	45	45	43
7	68	56	47	42	67	55	47	41	53	46	41	52	46	41	51	45	41	41	41	41	39
8	64	51	43	37	62	50	43	37	49	42	37	48	41	37	47	41	37	37	37	37	35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	38	33	33	33	33	32
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	35	30	30	30	30	29

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

	0°	45°	90°
0°	2128	2128	2128
5°	2135	2131	2135
10°	2132	2129	2133
15°	2122	2126	2132
20°	2108	2108	2116
25°	2084	2080	2082
30°	2035	2025	2015
35°	1955	1950	1942
40°	1842	1808	1800
45°	1685	1639	1609
50°	1490	1460	1403
55°	1325	1235	1187
60°	1153	988	1059
65°	996	766	937
70°	909	627	906
75°	916	675	963
80°	954	880	1015
85°	993	1047	1125

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1685 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.0	4.1
10°-20°	430.3	11.9
20°-30°	644.1	17.8
30°-40°	736.0	20.3
40°-50°	665.5	18.4
50°-60°	478.7	13.2
60°-70°	277.6	7.7
70°-80°	164.6	4.5
80°-90°	72.9	2.0
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°	1224.5	33.8
0°-40°	1960.5	54.2
0°-60°	3104.7	85.8
0°-90°	3619.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3619.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1582	1582	1582	1582	1582	
5°	1581	1579	1578	1576	1581	150
15°	1524	1526	1526	1525	1530	430
25°	1404	1402	1401	1398	1402	645
35°	1190	1185	1187	1172	1182	742
45°	885	870	861	853	845	680
55°	565	554	526	513	506	505
65°	313	278	240	269	294	316
75°	176	147	130	160	185	186
85°	64	70	68	78	73	69
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1581.8	1581.8	1581.8	1581.8	1581.8
2.5°	1586.3	1580.6	1583.4	1581.8	1581.1
5°	1581.1	1578.9	1577.8	1575.6	1580.6
7.5°	1571.0	1569.4	1569.9	1570.4	1573.9
10°	1560.8	1558.0	1558.6	1559.7	1561.4
12.5°	1545.1	1543.4	1543.9	1545.1	1548.9
15°	1523.6	1526.3	1526.3	1524.7	1530.3
17.5°	1502.1	1501.5	1504.4	1499.3	1507.2
20°	1472.2	1472.7	1472.2	1472.7	1477.8
22.5°	1438.2	1441.1	1439.4	1439.4	1445.1
25°	1403.9	1402.2	1401.0	1398.2	1402.2
27.5°	1362.7	1359.3	1356.5	1350.8	1353.6
30°	1310.1	1310.7	1303.4	1298.2	1297.2
32.5°	1251.4	1251.4	1244.6	1240.7	1244.1
35°	1190.5	1184.8	1187.0	1172.4	1182.4
37.5°	1124.3	1115.3	1110.2	1105.1	1108.6
40°	1048.6	1036.9	1029.5	1019.3	1025.0
42.5°	969.0	954.3	945.3	938.0	940.2
45°	885.4	870.2	861.2	853.3	845.4
47.5°	797.3	787.8	783.3	773.1	764.0
50°	711.6	708.2	697.4	689.0	670.4
52.5°	633.0	630.2	613.2	599.2	575.4
55°	564.7	554.0	526.3	512.7	506.0
57.5°	495.3	477.7	444.4	442.7	447.2
60°	428.6	407.2	367.0	376.1	393.6
62.5°	368.2	336.0	297.6	319.1	339.9
65°	312.9	277.9	240.5	268.8	294.2
67.5°	267.2	232.1	193.7	231.5	261.0
70°	231.0	195.3	159.3	202.7	230.3
72.5°	201.0	168.8	138.9	180.1	208.9
75°	176.2	147.4	129.8	160.3	185.3
77.5°	151.3	128.2	124.3	142.9	158.1
80°	123.1	112.4	113.6	125.3	131.0
82.5°	92.1	92.6	95.5	105.0	102.8
85°	64.3	69.5	67.8	77.9	72.9
87.5°	35.5	39.0	36.7	44.6	40.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)