

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: P798148

Luminaire Tested: 14GRSCT3-A125-UNV-LOW-3500K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798148  
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-LOW-3500K  
Description: GRLED Selectable  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

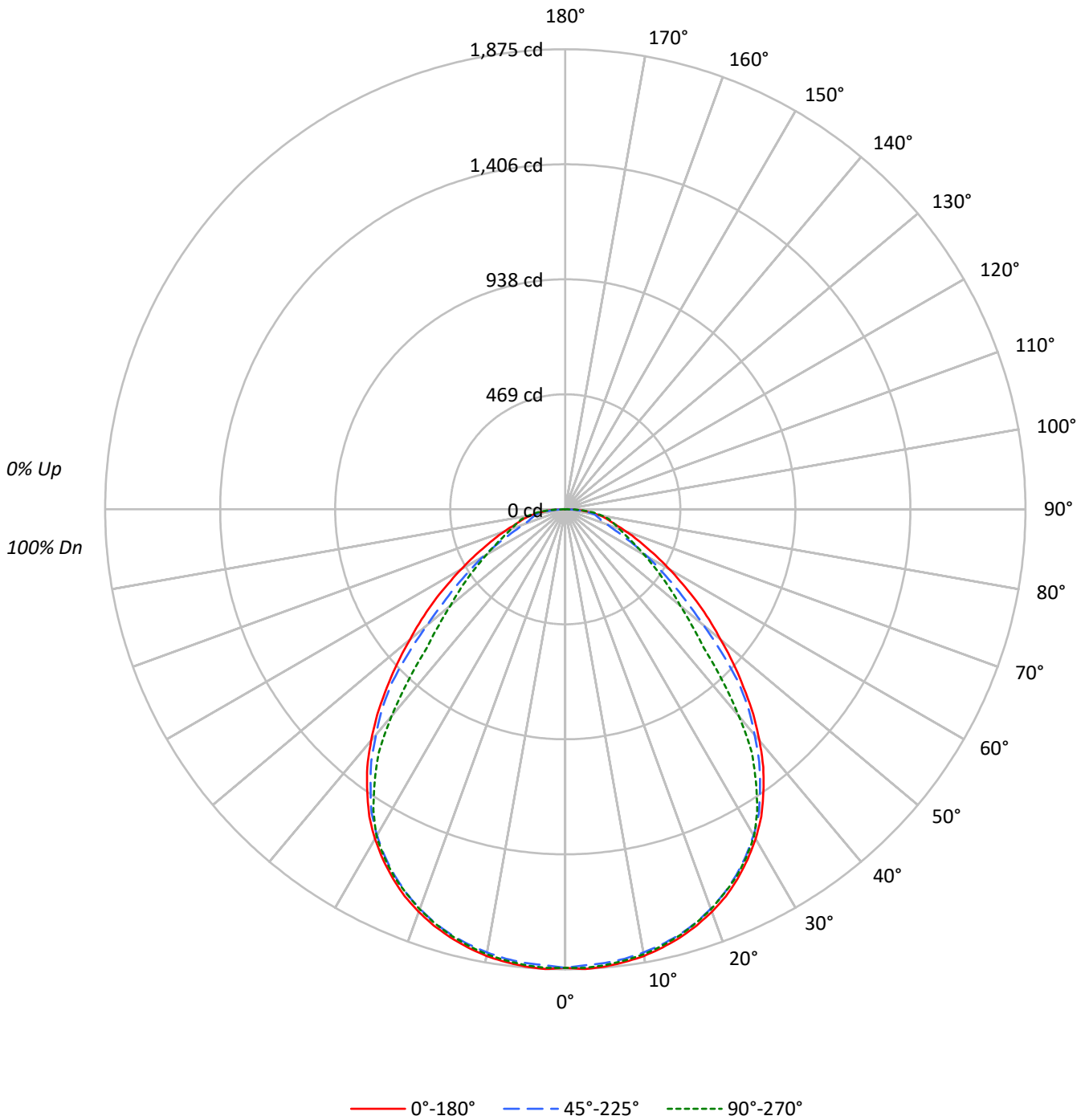
Lumens per Lamp: N/A  
Luminaire Lumens: 4095.1 lumens  
Efficiency: N/A  
Efficacy: 140.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.21 / 1.26  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 29.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	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	74
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	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	56
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	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	44
7	69	56	48	43	67	56	48	42	54	47	42	53	47	42	52	46	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	36
9	60	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	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	30

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

	0°	45°	90°
0°	5029	5029	5029
5°	5053	5015	5038
10°	5052	5013	5033
15°	5034	5002	5010
20°	5000	4962	4968
25°	4934	4888	4902
30°	4820	4767	4779
35°	4622	4544	4447
40°	4321	4215	3868
45°	3912	3800	3034
50°	3460	3075	2557
55°	3062	2527	2256
60°	2643	2091	1999
65°	2298	1663	1839
70°	2079	1428	1840
75°	1994	1491	2054
80°	2222	1901	2399
85°	2347	2022	2875

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3922 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.3	4.3
10°-20°	508.0	12.4
20°-30°	760.2	18.6
30°-40°	860.6	21.0
40°-50°	733.0	17.9
50°-60°	496.3	12.1
60°-70°	296.3	7.2
70°-80°	185.1	4.5
80°-90°	78.3	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°	1445.5	35.3
0°-40°	2306.1	56.3
0°-60°	3535.4	86.3
0°-90°	4095.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4095.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1869	1869	1869	1869	1869	
5°	1870	1866	1856	1868	1865	178
15°	1807	1800	1796	1807	1798	510
25°	1662	1657	1646	1654	1651	764
35°	1407	1398	1383	1369	1354	877
45°	1028	1031	998	851	797	793
55°	653	616	539	481	481	584
65°	361	301	261	279	289	364
75°	192	172	143	188	198	207
85°	76	70	66	83	93	81
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1868.8	1868.8	1868.8	1868.8	1868.8
2.5°	1875.4	1870.5	1860.2	1872.4	1870.5
5°	1870.5	1865.8	1856.4	1867.7	1864.9
7.5°	1861.1	1856.4	1847.8	1859.2	1854.5
10°	1848.7	1843.1	1834.5	1847.0	1842.0
12.5°	1829.8	1824.1	1816.6	1828.8	1822.1
15°	1806.9	1800.3	1795.6	1806.9	1798.4
17.5°	1779.3	1773.7	1767.1	1778.5	1769.0
20°	1746.1	1741.4	1732.9	1739.5	1734.8
22.5°	1708.2	1701.6	1693.0	1700.5	1693.9
25°	1661.6	1656.9	1646.4	1654.1	1651.1
27.5°	1608.5	1605.5	1593.3	1602.7	1598.0
30°	1551.3	1543.8	1534.2	1537.2	1538.1
32.5°	1485.8	1476.4	1468.7	1462.1	1455.4
35°	1407.1	1398.5	1383.3	1369.0	1353.8
37.5°	1325.3	1313.9	1298.7	1267.3	1248.4
40°	1230.2	1224.7	1199.8	1156.2	1101.2
42.5°	1133.5	1127.7	1105.9	1008.0	948.1
45°	1027.9	1030.7	998.4	851.1	797.2
47.5°	927.3	934.8	864.6	726.8	698.3
50°	826.5	835.1	734.5	628.1	610.9
52.5°	738.1	731.5	626.1	551.0	543.5
55°	652.7	616.5	538.6	480.8	480.8
57.5°	565.3	514.0	457.9	420.9	420.9
60°	491.1	427.5	388.5	363.9	371.4
62.5°	422.8	355.3	322.0	317.2	326.9
65°	360.9	301.2	261.2	279.4	288.8
67.5°	310.6	257.5	214.7	252.8	258.4
70°	264.2	224.1	181.5	232.7	233.8
72.5°	221.3	197.6	155.8	210.9	214.7
75°	191.8	171.9	143.4	188.2	197.6
77.5°	168.3	147.3	132.1	162.5	180.5
80°	143.4	120.7	122.7	136.8	154.8
82.5°	110.2	93.1	97.0	112.2	126.3
85°	76.0	70.2	65.5	82.6	93.1
87.5°	40.9	38.1	33.2	46.5	47.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)