

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: P798202

Luminaire Tested: 22GRSCT3-A125-UNV-LOW-3500K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798202  
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-LOW-3500K  
Description: GRLED Selectable  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

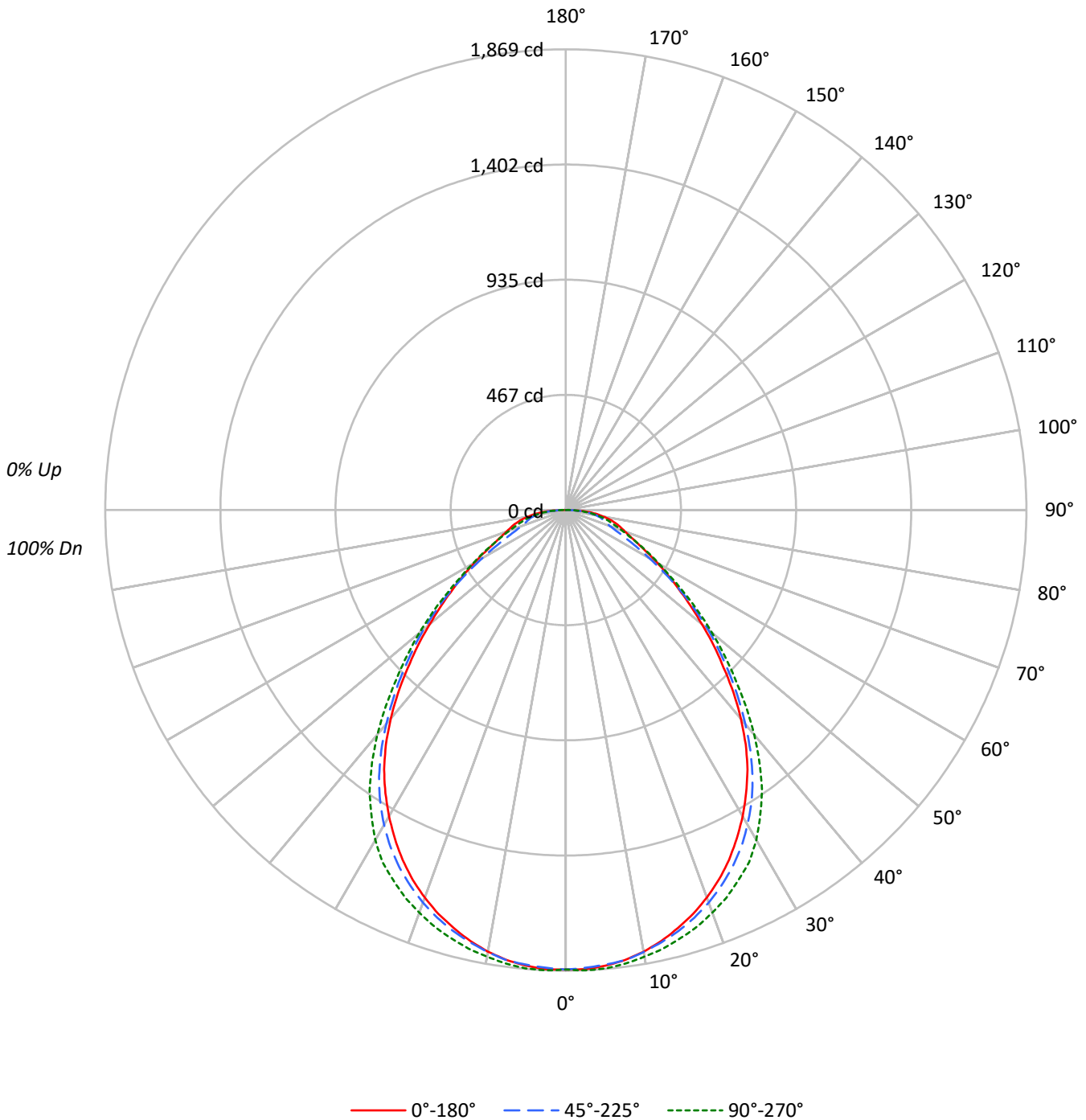
Lumens per Lamp: N/A  
Luminaire Lumens: 4045.0 lumens  
Efficiency: N/A  
Efficacy: 141.4 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.22 / 1.24  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.6  
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	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°	5018	5018	5018
5°	5014	5001	5042
10°	4971	4976	5028
15°	4892	4926	5010
20°	4792	4853	4978
25°	4651	4747	4920
30°	4457	4583	4803
35°	4223	4341	4560
40°	3882	3979	4177
45°	3449	3575	3704
50°	3013	3150	3246
55°	2620	2654	2753
60°	2305	2111	2350
65°	2048	1688	2060
70°	2010	1499	1900
75°	2196	1646	1941
80°	2411	1959	2073
85°	2881	2269	2328

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 3704 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.2	4.4
10°-20°	499.7	12.4
20°-30°	737.7	18.2
30°-40°	825.5	20.4
40°-50°	724.9	17.9
50°-60°	513.0	12.7
60°-70°	298.6	7.4
70°-80°	186.0	4.6
80°-90°	83.2	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°	1413.7	34.9
0°-40°	2239.2	55.4
0°-60°	3477.1	86.0
0°-90°	4045.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4045.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1865	1865	1865	1865	1865	
5°	1856	1851	1851	1861	1866	176
15°	1756	1760	1768	1787	1798	495
25°	1566	1573	1599	1636	1657	720
35°	1286	1291	1321	1361	1388	799
45°	906	917	939	962	973	701
55°	558	570	566	576	587	505
65°	322	296	265	289	324	326
75°	211	182	158	162	187	221
85°	93	97	74	72	75	95
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1864.6	1864.6	1864.6	1864.6	<i>1864.6</i>
2.5°	<i>1864.6</i>	<i>1860.7</i>	<i>1858.8</i>	<i>1865.4</i>	<i>1869.3</i>
5°	1856.0	1851.4	1851.4	1860.7	<i>1866.5</i>
7.5°	1840.9	1836.2	1842.0	1850.3	<i>1856.0</i>
10°	1819.2	1817.5	1821.1	1832.4	<i>1840.1</i>
12.5°	1791.0	1791.9	1795.7	1813.6	<i>1823.0</i>
15°	1756.1	1759.9	1768.2	1787.2	<i>1798.5</i>
17.5°	1718.4	1721.1	1734.4	1756.1	<i>1772.1</i>
20°	1673.2	1678.7	1694.7	1722.2	<i>1738.2</i>
22.5°	1623.1	1629.7	1649.5	1682.6	<i>1702.4</i>
25°	1566.4	1573.0	1598.6	1636.3	<i>1657.0</i>
27.5°	1502.5	1512.7	1541.1	1582.6	<i>1610.7</i>
30°	1434.5	1443.0	1475.0	1522.1	<i>1545.7</i>
32.5°	1361.8	1372.3	1402.3	1447.7	<i>1468.4</i>
35°	1285.5	1291.1	1321.3	1361.0	<i>1388.2</i>
37.5°	1198.8	1201.6	1229.9	1266.6	<i>1291.1</i>
40°	1105.2	1107.1	1132.7	1167.7	<i>1189.2</i>
42.5°	1008.3	1009.1	1036.4	1062.8	<i>1081.8</i>
45°	906.4	916.6	939.4	962.0	<i>973.3</i>
47.5°	814.7	822.4	843.1	862.9	<i>873.4</i>
50°	719.7	738.5	752.5	763.0	<i>775.3</i>
52.5°	637.6	653.6	657.3	669.6	<i>680.1</i>
55°	558.4	569.7	565.8	576.3	<i>586.7</i>
57.5°	491.4	485.7	473.5	491.4	<i>504.7</i>
60°	428.2	413.0	392.3	416.9	<i>436.7</i>
62.5°	371.7	347.2	321.6	346.1	<i>379.1</i>
65°	321.6	296.2	265.1	288.6	<i>323.5</i>
67.5°	283.9	257.4	220.8	244.2	<i>279.2</i>
70°	255.5	228.2	190.5	210.3	<i>241.5</i>
72.5°	232.9	203.7	170.7	183.9	<i>210.3</i>
75°	211.2	182.0	158.3	162.2	<i>186.7</i>
77.5°	185.8	164.1	145.1	143.4	<i>162.2</i>
80°	155.6	149.0	126.4	123.6	<i>133.8</i>
82.5°	128.3	125.5	103.8	101.0	<i>104.6</i>
85°	93.3	97.2	73.5	71.6	<i>75.4</i>
87.5°	49.0	53.7	38.6	40.5	<i>41.6</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)