

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: P798203

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

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798203
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-4000K
Description: GRLED Selectable
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

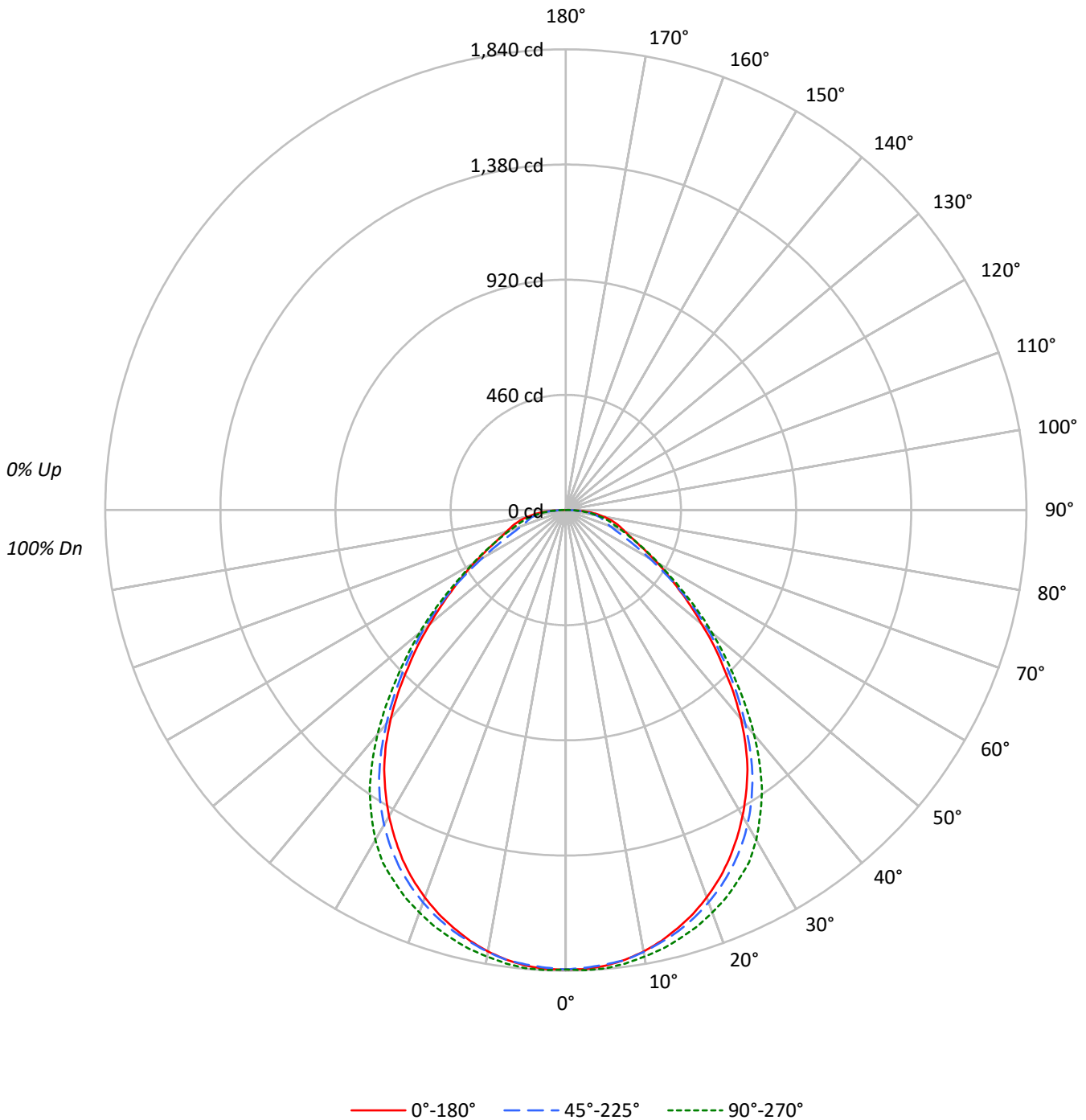
Lumens per Lamp: N/A
Luminaire Lumens: 3981.0 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.22 / 1.24
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 29.5
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°	4938	4938	4938
5°	4934	4922	4962
10°	4892	4897	4948
15°	4815	4848	4931
20°	4716	4776	4899
25°	4577	4671	4842
30°	4387	4511	4727
35°	4156	4272	4488
40°	3821	3916	4111
45°	3395	3519	3645
50°	2965	3100	3195
55°	2578	2613	2709
60°	2268	2078	2313
65°	2015	1661	2027
70°	1979	1475	1869
75°	2162	1620	1910
80°	2373	1928	2041
85°	2837	2235	2291

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 3645 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.4	4.4
10°-20°	491.8	12.4
20°-30°	726.1	18.2
30°-40°	812.4	20.4
40°-50°	713.5	17.9
50°-60°	504.9	12.7
60°-70°	293.9	7.4
70°-80°	183.1	4.6
80°-90°	81.9	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°	1391.3	34.9
0°-40°	2203.8	55.4
0°-60°	3422.1	86.0
0°-90°	3981.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3981.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1835	1835	1835	1835	1835	
5°	1827	1822	1822	1831	1837	173
15°	1728	1732	1740	1759	1770	487
25°	1542	1548	1573	1610	1631	708
35°	1265	1271	1300	1339	1366	787
45°	892	902	925	947	958	690
55°	550	561	557	567	577	497
65°	316	292	261	284	318	321
75°	208	179	156	160	184	217
85°	92	96	72	70	74	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1835.1	1835.1	1835.1	1835.1	1835.1
2.5°	1835.1	1831.3	1829.4	1835.9	1839.7
5°	1826.7	1822.1	1822.1	1831.3	1837.0
7.5°	1811.8	1807.2	1812.8	1821.0	1826.7
10°	1790.4	1788.7	1792.3	1803.4	1810.9
12.5°	1762.7	1763.5	1767.3	1784.9	1794.2
15°	1728.3	1732.1	1740.3	1758.9	1770.0
17.5°	1691.2	1693.9	1706.9	1728.3	1744.0
20°	1646.7	1652.2	1667.9	1695.0	1710.7
22.5°	1597.4	1603.9	1623.4	1655.9	1675.4
25°	1541.6	1548.1	1573.3	1610.4	1630.8
27.5°	1478.7	1488.8	1516.7	1557.6	1585.3
30°	1411.8	1420.2	1451.7	1498.0	1521.3
32.5°	1340.3	1350.6	1380.1	1424.8	1445.1
35°	1265.2	1270.6	1300.4	1339.4	1366.3
37.5°	1179.8	1182.5	1210.4	1246.5	1270.6
40°	1087.7	1089.6	1114.8	1149.2	1170.4
42.5°	992.3	993.1	1020.0	1046.0	1064.7
45°	892.0	902.1	924.6	946.8	957.9
47.5°	801.9	809.4	829.8	849.3	859.5
50°	708.3	726.8	740.6	750.9	763.1
52.5°	627.6	643.3	646.9	659.0	669.3
55°	549.5	560.7	556.9	567.2	577.4
57.5°	483.7	478.0	466.1	483.7	496.7
60°	421.4	406.5	386.1	410.3	429.8
62.5°	365.8	341.7	316.5	340.6	373.1
65°	316.5	291.5	260.9	284.0	318.4
67.5°	279.4	253.4	217.3	240.4	274.8
70°	251.5	224.6	187.5	207.0	237.6
72.5°	229.3	200.5	168.0	181.0	207.0
75°	207.9	179.1	155.8	159.6	183.7
77.5°	182.9	161.5	142.8	141.2	159.6
80°	153.1	146.6	124.4	121.7	131.7
82.5°	126.3	123.5	102.1	99.4	103.0
85°	91.9	95.6	72.4	70.5	74.2
87.5°	48.2	52.9	38.0	39.9	40.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)