

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: P798201

Luminaire Tested: 22GRSCT3-A125-UNV-LOW-3000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798201
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-3000K
Description: GRLED Selectable
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

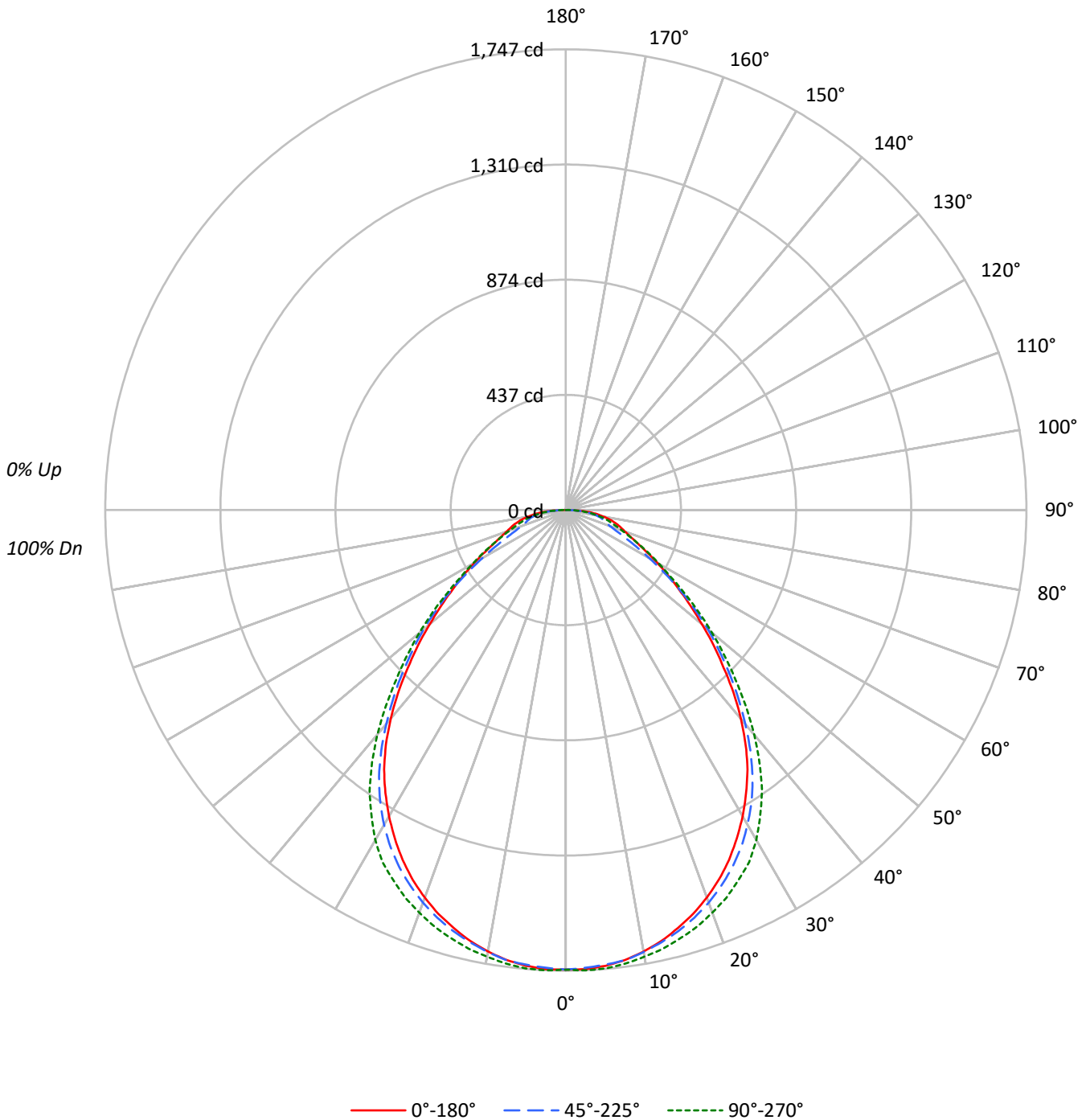
Lumens per Lamp: N/A
Luminaire Lumens: 3781.0 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.22 / 1.24
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	4690	4690	4690
5°	4686	4675	4713
10°	4646	4651	4700
15°	4573	4605	4683
20°	4479	4536	4653
25°	4347	4437	4599
30°	4167	4284	4490
35°	3947	4057	4263
40°	3629	3719	3905
45°	3224	3342	3462
50°	2816	2945	3034
55°	2449	2481	2573
60°	2154	1974	2197
65°	1914	1578	1926
70°	1880	1401	1776
75°	2052	1539	1814
80°	2253	1830	1939
85°	2695	2121	2177

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 3462 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.7	4.4
10°-20°	467.1	12.4
20°-30°	689.6	18.2
30°-40°	771.6	20.4
40°-50°	677.6	17.9
50°-60°	479.5	12.7
60°-70°	279.1	7.4
70°-80°	173.9	4.6
80°-90°	77.8	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°	1321.4	34.9
0°-40°	2093.0	55.4
0°-60°	3250.2	86.0
0°-90°	3781.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3781.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1743	1743	1743	1743	1743	
5°	1735	1730	1730	1739	1745	165
15°	1642	1645	1653	1671	1681	462
25°	1464	1470	1494	1530	1549	673
35°	1202	1207	1235	1272	1298	747
45°	847	857	878	899	910	655
55°	522	532	529	539	548	472
65°	301	277	248	270	302	305
75°	197	170	148	152	174	206
85°	87	91	69	67	70	89
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1742.9	1742.9	1742.9	1742.9	1742.9
2.5°	1742.9	1739.3	1737.5	1743.7	1747.3
5°	1734.9	1730.5	1730.5	1739.3	1744.7
7.5°	1720.8	1716.4	1721.8	1729.5	1734.9
10°	1700.4	1698.8	1702.2	1712.8	1720.0
12.5°	1674.1	1674.9	1678.5	1695.3	1704.0
15°	1641.5	1645.1	1652.8	1670.6	1681.1
17.5°	1606.2	1608.8	1621.2	1641.5	1656.4
20°	1564.0	1569.2	1584.1	1609.8	1624.7
22.5°	1517.2	1523.3	1541.9	1572.8	1591.3
25°	1464.2	1470.4	1494.3	1529.5	1548.8
27.5°	1404.4	1414.0	1440.5	1479.3	1505.6
30°	1340.9	1348.8	1378.7	1422.7	1444.9
32.5°	1272.9	1282.7	1310.8	1353.2	1372.5
35°	1201.6	1206.8	1235.1	1272.1	1297.6
37.5°	1120.5	1123.1	1149.6	1183.9	1206.8
40°	1033.1	1034.9	1058.8	1091.5	1111.6
42.5°	942.5	943.3	968.8	993.5	1011.2
45°	847.2	856.8	878.1	899.2	909.8
47.5°	761.6	768.7	788.1	806.6	816.4
50°	672.7	690.3	703.4	713.2	724.7
52.5°	596.0	611.0	614.4	625.9	635.7
55°	521.9	532.5	528.9	538.7	548.4
57.5°	459.4	454.0	442.6	459.4	471.7
60°	400.2	386.1	366.7	389.7	408.2
62.5°	347.4	324.5	300.6	323.5	354.4
65°	300.6	276.9	247.8	269.7	302.4
67.5°	265.3	240.6	206.4	228.3	261.0
70°	238.9	213.4	178.1	196.6	225.7
72.5°	217.7	190.4	159.6	171.9	196.6
75°	197.4	170.1	148.0	151.6	174.5
77.5°	173.7	153.4	135.7	134.1	151.6
80°	145.4	139.2	118.1	115.5	125.1
82.5°	119.9	117.3	97.0	94.4	97.8
85°	87.3	90.8	68.7	66.9	70.5
87.5°	45.8	50.2	36.1	37.8	38.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)