

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: P798257

Luminaire Tested: 24GRSCT3-A125-UNV-LOW-4000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798257
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-4000K
Description: GRLED Selectable
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

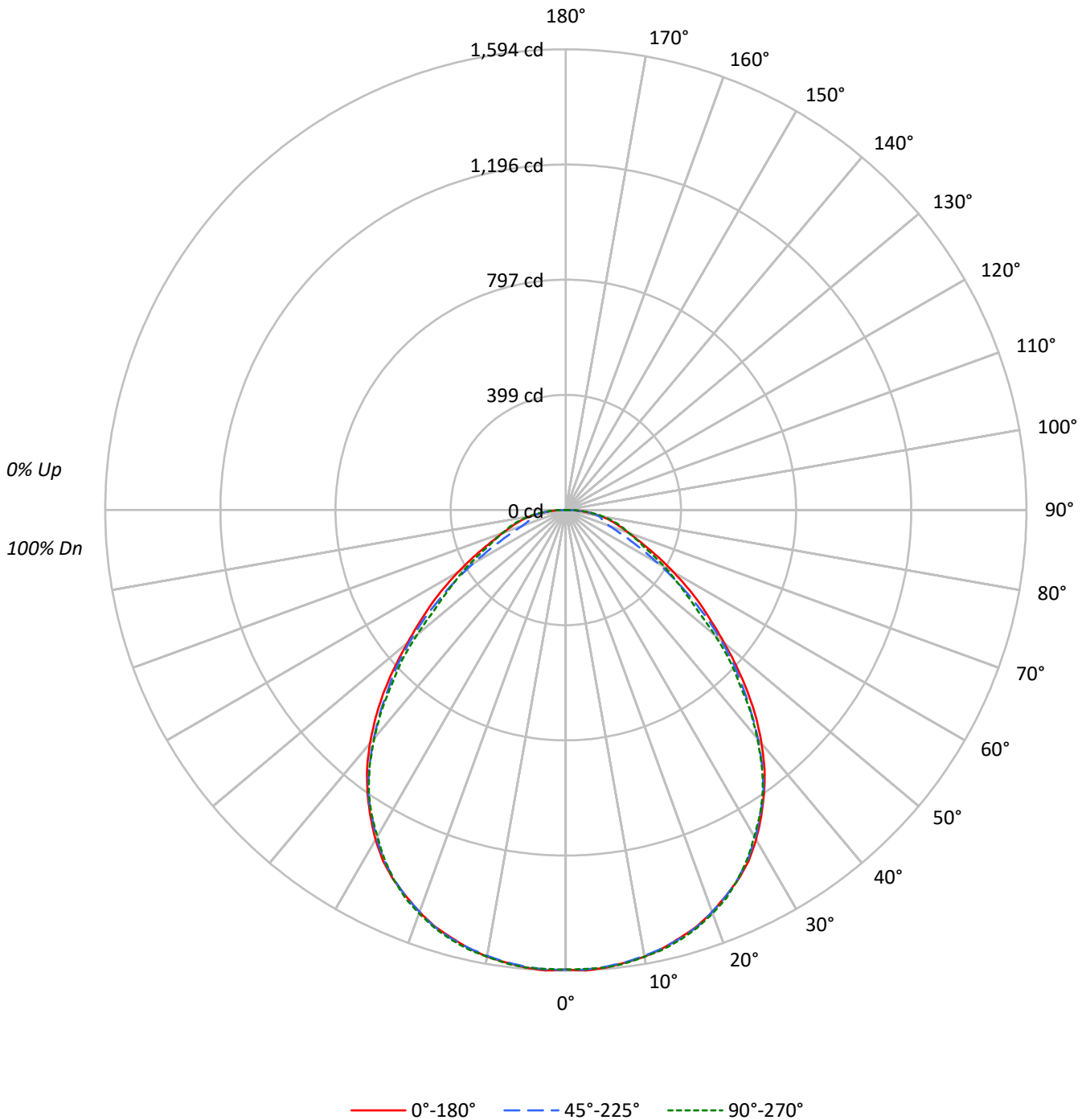
Lumens per Lamp: N/A
Luminaire Lumens: 3638.6 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24.1
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°	2139	2139	2139
5°	2147	2142	2146
10°	2144	2140	2144
15°	2133	2137	2143
20°	2119	2119	2127
25°	2095	2091	2093
30°	2046	2035	2026
35°	1965	1960	1952
40°	1851	1818	1810
45°	1694	1647	1617
50°	1497	1467	1410
55°	1331	1241	1193
60°	1160	993	1065
65°	1001	770	941
70°	913	630	911
75°	921	678	968
80°	959	884	1020
85°	999	1053	1130

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1694 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	4.1
10°-20°	432.6	11.9
20°-30°	647.5	17.8
30°-40°	739.9	20.3
40°-50°	668.9	18.4
50°-60°	481.2	13.2
60°-70°	279.0	7.7
70°-80°	165.5	4.5
80°-90°	73.3	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°	1230.9	33.8
0°-40°	1970.7	54.2
0°-60°	3120.9	85.8
0°-90°	3638.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3638.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1590	1590	1590	1590	1590	
5°	1589	1587	1586	1584	1589	151
15°	1532	1534	1534	1533	1538	432
25°	1411	1410	1408	1406	1410	649
35°	1197	1191	1193	1178	1189	746
45°	890	875	866	858	850	684
55°	568	557	529	515	509	508
65°	314	279	242	270	296	318
75°	177	148	130	161	186	187
85°	65	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°	1590.0	1590.0	1590.0	1590.0	1590.0
2.5°	1594.5	1588.8	1591.7	1590.0	1589.3
5°	1589.3	1587.1	1586.0	1583.8	1588.8
7.5°	1579.2	1577.5	1578.0	1578.6	1582.1
10°	1568.9	1566.1	1566.7	1567.8	1569.5
12.5°	1553.1	1551.4	1551.9	1553.1	1557.0
15°	1531.5	1534.3	1534.3	1532.6	1538.3
17.5°	1509.9	1509.3	1512.2	1507.1	1515.1
20°	1479.9	1480.4	1479.9	1480.4	1485.4
22.5°	1445.7	1448.6	1446.9	1446.9	1452.6
25°	1411.2	1409.5	1408.3	1405.5	1409.5
27.5°	1369.7	1366.4	1363.5	1357.8	1360.7
30°	1316.9	1317.5	1310.1	1304.9	1303.9
32.5°	1257.9	1257.9	1251.1	1247.2	1250.5
35°	1196.6	1190.9	1193.1	1178.5	1188.6
37.5°	1130.2	1121.1	1116.0	1110.8	1114.3
40°	1054.1	1042.2	1034.8	1024.6	1030.3
42.5°	974.1	959.3	950.2	942.9	945.1
45°	890.0	874.7	865.6	857.7	849.8
47.5°	801.5	791.9	787.3	777.1	768.0
50°	715.3	711.9	701.0	692.5	673.8
52.5°	636.3	633.4	616.4	602.3	578.4
55°	567.6	556.8	529.0	515.4	508.7
57.5°	497.9	480.2	446.7	445.0	449.6
60°	430.9	409.3	368.9	378.0	395.7
62.5°	370.1	337.8	299.2	320.7	341.7
65°	314.5	279.3	241.8	270.2	295.7
67.5°	268.5	233.4	194.7	232.7	262.3
70°	232.2	196.3	160.1	203.7	231.5
72.5°	202.1	169.7	139.6	181.0	210.0
75°	177.1	148.2	130.5	161.2	186.2
77.5°	152.1	128.8	124.9	143.6	158.9
80°	123.8	113.0	114.1	126.0	131.7
82.5°	92.6	93.1	96.0	105.6	103.4
85°	64.7	69.9	68.2	78.3	73.2
87.5°	35.7	39.2	36.9	44.8	40.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)