

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: P798224

Luminaire Tested: 22GRSCT3-F125-UNV-MID-4000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798224
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P291964)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22GRSCT3-F125-UNV-MID-4000K
Description: GRLED Selectable
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

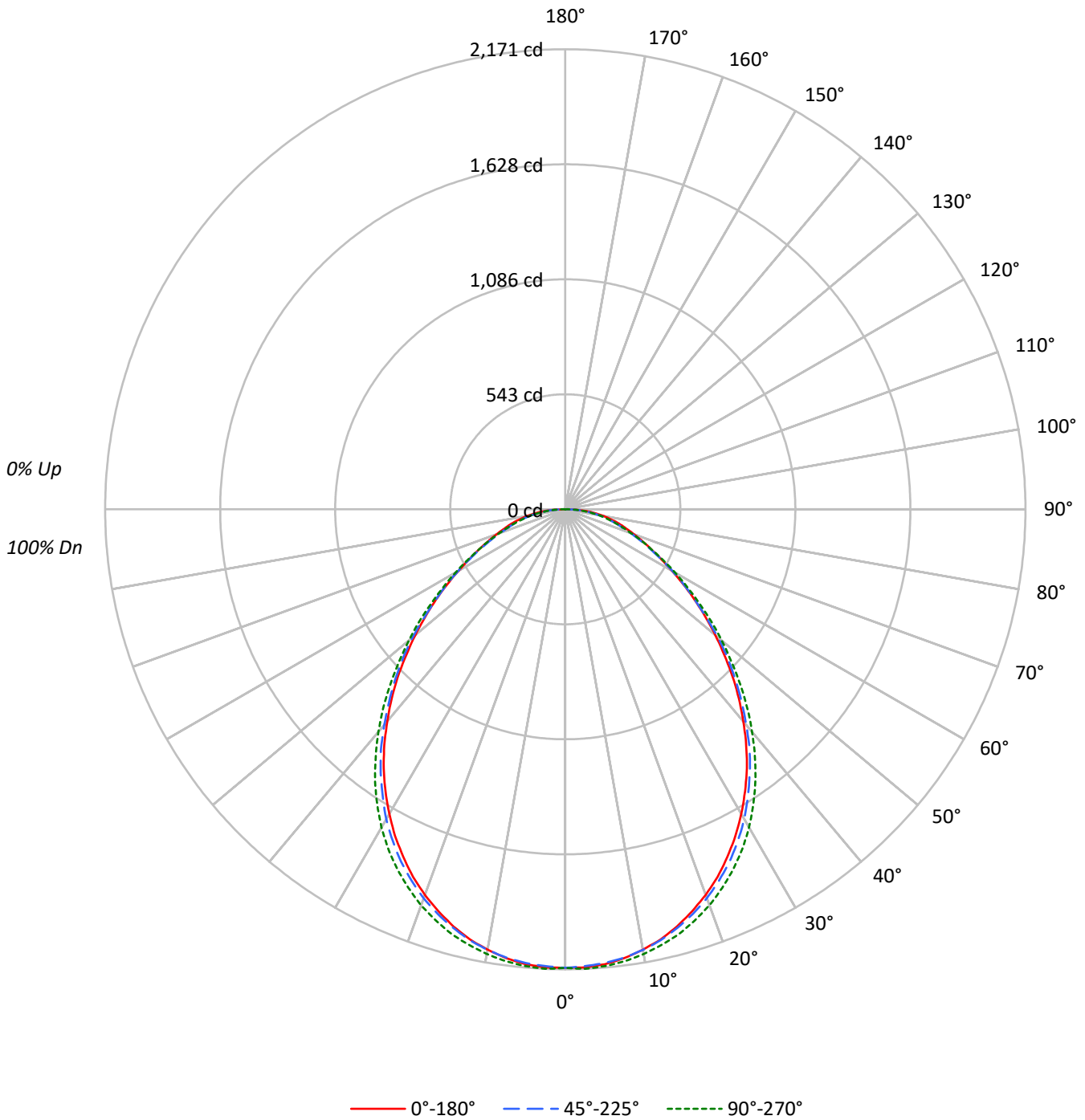
Lumens per Lamp: N/A
Luminaire Lumens: 4929.0 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.19 / 1.24
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 38
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	100	100	100	100
1	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85	85	85	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73	73	73	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62	62	62	62
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	65	60	56	54	54	54	54
5	78	66	58	52	76	65	57	51	63	56	51	61	55	50	59	54	50	48	48	48	48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	45	54	49	44	42	42	42	42
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38	38	38	38
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34	34	34	34
9	59	46	38	33	58	46	38	33	45	38	33	44	37	33	43	37	33	31	31	31	31
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	40	34	30	28	28	28	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5823	5823	5823
5°	5820	5805	5845
10°	5766	5769	5822
15°	5678	5697	5780
20°	5545	5594	5696
25°	5372	5447	5565
30°	5160	5249	5388
35°	4907	4986	5139
40°	4588	4664	4817
45°	4248	4313	4440
50°	3868	3931	4032
55°	3493	3504	3605
60°	3132	3145	3218
65°	2854	2797	2862
70°	2718	2565	2610
75°	2734	2473	2485
80°	2834	2498	2483
85°	3109	2649	2504

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 4440 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.4	4.1
10°-20°	577.5	11.7
20°-30°	845.2	17.1
30°-40°	950.3	19.3
40°-50°	876.4	17.8
50°-60°	675.5	13.7
60°-70°	445.7	9.0
70°-80°	259.4	5.3
80°-90°	94.5	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°	1627.1	33.0
0°-40°	2577.5	52.3
0°-60°	4129.4	83.8
0°-90°	4929.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4929.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2164	2164	2164	2164	2164	
5°	2155	2150	2149	2159	2164	204
15°	2038	2038	2045	2063	2075	574
25°	1809	1818	1834	1860	1874	832
35°	1494	1500	1518	1548	1564	931
45°	1116	1117	1133	1156	1167	860
55°	744	744	747	760	768	668
65°	448	446	439	442	450	450
75°	263	252	238	233	239	277
85°	101	100	86	79	81	106
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2163.8	2163.8	2163.8	2163.8	2163.8
2.5°	2163.8	2159.1	2158.1	2166.1	2170.7
5°	2154.7	2150.1	2149.0	2159.1	2163.8
7.5°	2136.4	2133.0	2134.1	2145.4	2151.4
10°	2110.0	2109.0	2111.3	2123.7	2130.7
12.5°	2079.3	2078.0	2082.7	2096.4	2105.4
15°	2038.0	2038.0	2044.9	2063.3	2074.7
17.5°	1988.9	1992.2	2002.6	2020.9	2033.6
20°	1936.2	1939.5	1953.5	1973.9	1988.9
22.5°	1877.8	1882.5	1896.1	1921.5	1933.9
25°	1809.3	1818.4	1834.4	1859.7	1874.4
27.5°	1738.3	1748.6	1763.6	1794.4	1808.1
30°	1660.5	1667.5	1689.2	1717.9	1733.9
32.5°	1578.1	1585.1	1603.5	1637.8	1651.5
35°	1493.7	1500.4	1517.7	1548.4	1564.4
37.5°	1402.2	1407.9	1428.6	1452.6	1469.6
40°	1306.1	1314.1	1327.8	1356.5	1371.2
42.5°	1212.3	1215.7	1230.7	1259.1	1270.7
45°	1116.2	1117.3	1133.3	1156.3	1166.6
47.5°	1016.8	1019.1	1038.5	1052.2	1062.5
50°	924.0	925.3	939.0	951.4	963.1
52.5°	831.6	831.6	838.3	852.0	867.0
55°	744.5	743.5	746.8	759.5	768.5
57.5°	662.1	661.1	665.7	673.7	680.4
60°	582.0	580.0	584.3	589.0	598.0
62.5°	511.2	513.6	507.9	514.6	521.6
65°	448.2	446.1	439.2	442.5	449.5
67.5°	394.5	391.1	379.7	382.1	390.1
70°	345.4	338.4	326.0	326.0	331.7
72.5°	300.7	294.0	278.0	279.0	281.3
75°	263.0	251.6	237.9	233.3	239.0
77.5°	221.9	212.6	200.2	196.6	198.9
80°	182.9	176.2	161.2	156.8	160.2
82.5°	145.2	139.5	122.4	118.8	120.1
85°	100.7	99.5	85.8	78.8	81.1
87.5°	53.7	55.0	44.7	40.0	42.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)