

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: P798223

Luminaire Tested: 22GRSCT3-F125-UNV-MID-3500K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798223  
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-3500K  
Description: GRLED Selectable  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

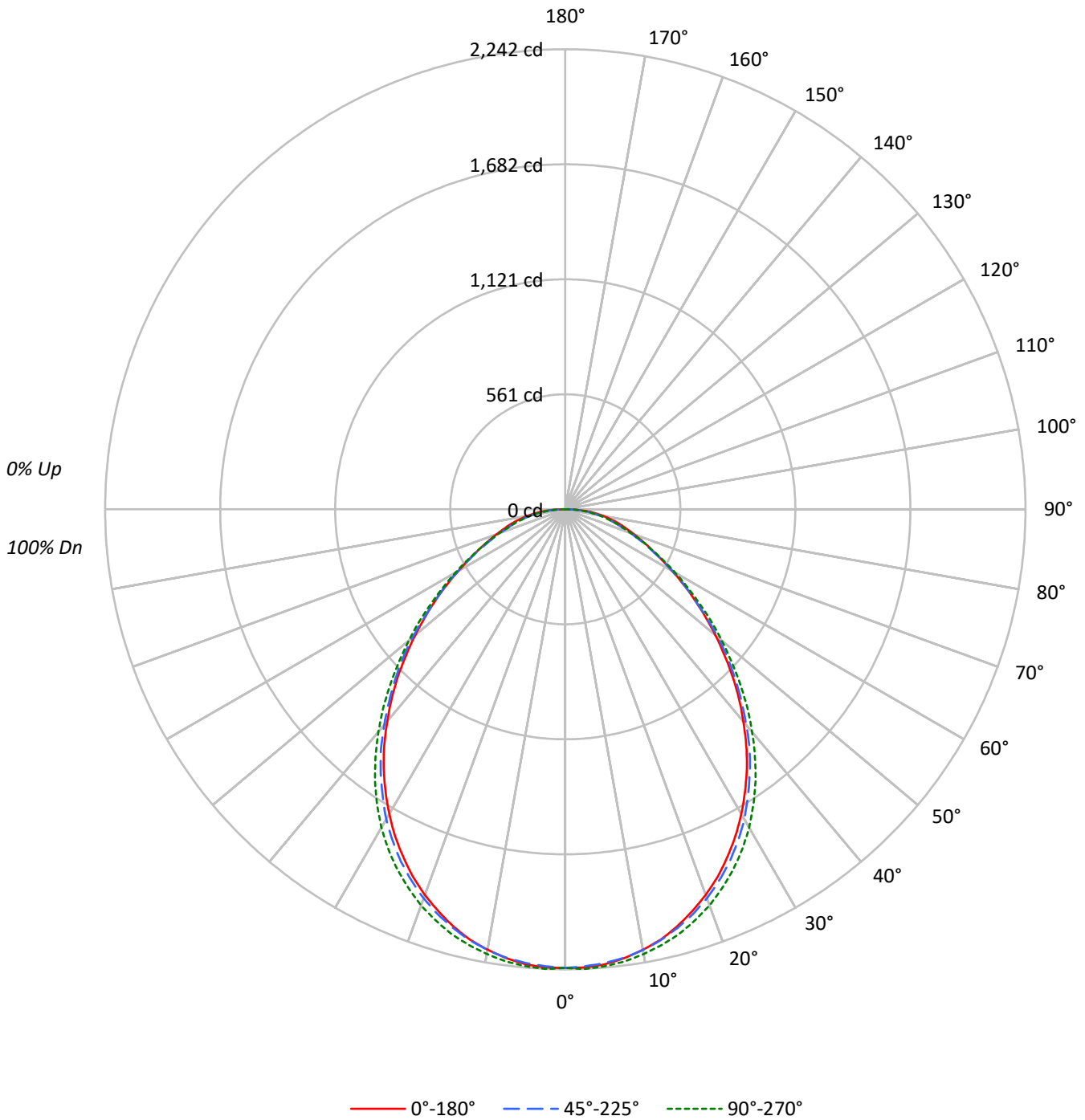
Lumens per Lamp: N/A  
Luminaire Lumens: 5091.0 lumens  
Efficiency: N/A  
Efficacy: 139.1 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.19 / 1.24  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 36.6  
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				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	97	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	65	65	65	62
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	65	60	56	56	56	56	54
5	78	66	58	52	76	65	57	51	63	56	51	61	55	50	59	54	50	50	50	50	48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	45	54	49	44	44	44	44	42
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	40	40	40	38
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	36	36	36	34
9	59	46	38	33	58	46	38	33	45	38	33	44	37	33	43	37	33	33	33	33	31
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	40	34	30	30	30	30	28

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6014	6014	6014
5°	6012	5996	6037
10°	5955	5959	6013
15°	5864	5884	5970
20°	5727	5778	5883
25°	5549	5626	5749
30°	5329	5421	5565
35°	5068	5150	5308
40°	4739	4818	4975
45°	4387	4454	4586
50°	3996	4060	4164
55°	3608	3619	3724
60°	3235	3248	3324
65°	2947	2888	2956
70°	2806	2649	2696
75°	2824	2555	2566
80°	2927	2580	2563
85°	3214	2736	2587

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4586 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.1	4.1
10°-20°	596.5	11.7
20°-30°	873.0	17.1
30°-40°	981.6	19.3
40°-50°	905.2	17.8
50°-60°	697.7	13.7
60°-70°	460.4	9.0
70°-80°	267.9	5.3
80°-90°	97.6	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°	1680.6	33.0
0°-40°	2662.2	52.3
0°-60°	4265.1	83.8
0°-90°	5091.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5091.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2235	2235	2235	2235	2235	
5°	2226	2221	2220	2230	2235	211
15°	2105	2105	2112	2131	2143	592
25°	1869	1878	1895	1921	1936	860
35°	1543	1550	1568	1599	1616	962
45°	1153	1154	1170	1194	1205	888
55°	769	768	771	784	794	690
65°	463	461	454	457	464	464
75°	272	260	246	241	247	286
85°	104	103	89	81	84	110
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2234.9	2234.9	2234.9	2234.9	2234.9
2.5°	2234.9	2230.1	2229.0	2237.3	2242.1
5°	2225.6	2220.7	2219.7	2230.1	2234.9
7.5°	2206.6	2203.1	2204.2	2215.9	2222.1
10°	2179.4	2178.3	2180.7	2193.5	2200.7
12.5°	2147.6	2146.3	2151.1	2165.3	2174.6
15°	2104.9	2104.9	2112.2	2131.1	2142.8
17.5°	2054.3	2057.7	2068.4	2087.3	2100.4
20°	1999.8	2003.3	2017.7	2038.8	2054.3
22.5°	1939.5	1944.3	1958.5	1984.6	1997.4
25°	1868.8	1878.2	1894.7	1920.8	1936.1
27.5°	1795.4	1806.1	1821.6	1853.3	1867.5
30°	1715.1	1722.3	1744.7	1774.4	1790.9
32.5°	1630.0	1637.2	1656.2	1691.6	1705.8
35°	1542.8	1549.7	1567.6	1599.3	1615.9
37.5°	1448.3	1454.2	1475.5	1500.3	1517.9
40°	1349.0	1357.3	1371.5	1401.1	1416.3
42.5°	1252.2	1255.7	1271.1	1300.5	1312.5
45°	1152.9	1154.0	1170.5	1194.3	1205.0
47.5°	1050.2	1052.6	1072.6	1086.8	1097.4
50°	954.4	955.8	969.9	982.7	994.7
52.5°	858.9	858.9	865.8	880.0	895.5
55°	769.0	767.9	771.4	784.5	793.8
57.5°	683.9	682.8	687.6	695.9	702.8
60°	601.1	599.0	603.5	608.4	617.7
62.5°	528.0	530.4	524.6	531.5	538.7
65°	462.9	460.8	453.6	457.1	464.3
67.5°	407.4	404.0	392.2	394.6	402.9
70°	356.7	349.5	336.7	336.7	342.6
72.5°	310.6	303.6	287.1	288.2	290.6
75°	271.6	259.9	245.7	240.9	246.8
77.5°	229.2	219.6	206.8	203.1	205.5
80°	188.9	182.0	166.5	162.0	165.4
82.5°	150.0	144.1	126.5	122.7	124.1
85°	104.1	102.7	88.6	81.4	83.8
87.5°	55.5	56.8	46.2	41.4	43.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)