

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: P798205

Luminaire Tested: 22GRSCT3-A125-UNV-MID-3500K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798205
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-MID-3500K
Description: GRLED Selectable
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

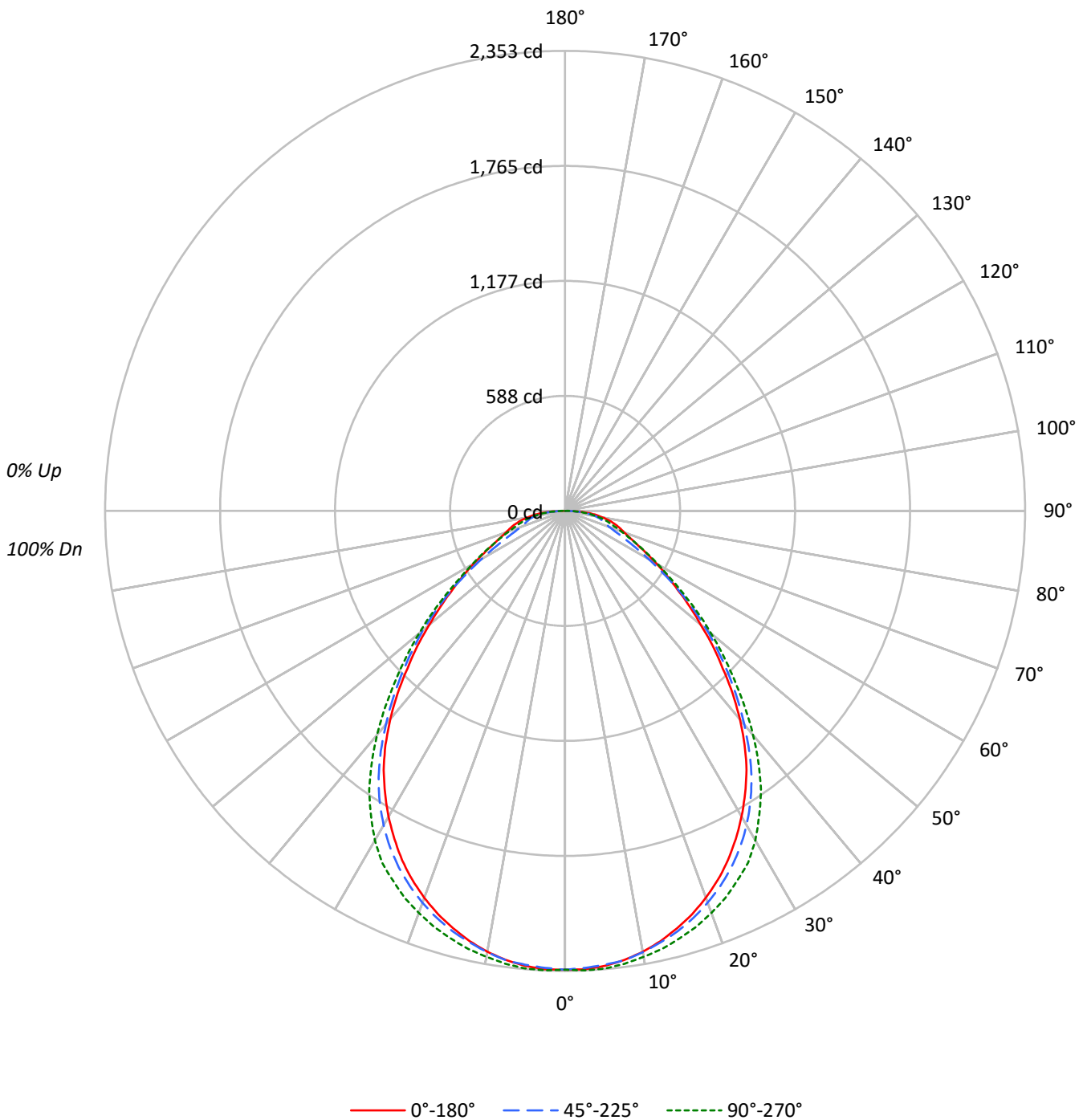
Lumens per Lamp: N/A
Luminaire Lumens: 5091.0 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.22 / 1.24
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P798205
CATALOG NUMBER: 22GRSCT3-A125-UNV-MID-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P798205

CATALOG NUMBER: 22GRSCT3-A125-UNV-MID-3500K

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°	6315	6315	6315
5°	6310	6294	6346
10°	6256	6263	6328
15°	6157	6200	6306
20°	6031	6108	6265
25°	5854	5974	6192
30°	5610	5768	6045
35°	5315	5463	5740
40°	4886	5008	5258
45°	4341	4499	4662
50°	3792	3965	4085
55°	3297	3341	3464
60°	2900	2658	2958
65°	2578	2125	2593
70°	2530	1887	2391
75°	2764	2072	2443
80°	3034	2466	2610
85°	3628	2856	2933

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 4662 cd/sqm



TEST NUMBER: P798205
 CATALOG NUMBER: 22GRSCT3-A125-UNV-MID-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.8	4.4
10°-20°	629.0	12.4
20°-30°	928.5	18.2
30°-40°	1039.0	20.4
40°-50°	912.4	17.9
50°-60°	645.6	12.7
60°-70°	375.8	7.4
70°-80°	234.2	4.6
80°-90°	104.8	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°	1779.2	34.9
0°-40°	2818.2	55.4
0°-60°	4376.2	86.0
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°	2347	2347	2347	2347	2347	
5°	2336	2330	2330	2342	2349	221
15°	2210	2215	2226	2249	2264	623
25°	1972	1980	2012	2060	2086	906
35°	1618	1625	1663	1713	1747	1006
45°	1141	1154	1182	1211	1225	882
55°	703	717	712	725	738	635
65°	405	373	334	363	407	411
75°	266	229	199	204	235	278
85°	118	122	92	90	95	119
90°	0	0	0	0	0	



TEST NUMBER: P798205

CATALOG NUMBER: 22GRSCT3-A125-UNV-MID-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2346.7	2346.7	2346.7	2346.7	2346.7
2.5°	2346.7	2341.9	2339.5	2347.8	2352.6
5°	2336.0	2330.1	2330.1	2341.9	2349.1
7.5°	2317.0	2311.1	2318.3	2328.8	2336.0
10°	2289.6	2287.4	2292.0	2306.2	2315.9
12.5°	2254.2	2255.3	2260.1	2282.6	2294.4
15°	2210.2	2215.0	2225.5	2249.4	2263.6
17.5°	2162.7	2166.2	2182.8	2210.2	2230.3
20°	2105.9	2112.8	2132.9	2167.6	2187.7
22.5°	2042.8	2051.1	2076.1	2117.7	2142.6
25°	1971.5	1979.8	2012.0	2059.5	2085.5
27.5°	1891.0	1903.9	1939.6	1991.9	2027.3
30°	1805.4	1816.2	1856.4	1915.7	1945.5
32.5°	1714.0	1727.1	1764.9	1822.1	1848.1
35°	1618.0	1624.9	1663.0	1712.9	1747.2
37.5°	1508.8	1512.3	1547.9	1594.1	1624.9
40°	1391.0	1393.4	1425.6	1469.6	1496.7
42.5°	1269.0	1270.1	1304.4	1337.7	1361.5
45°	1140.8	1153.6	1182.3	1210.8	1225.0
47.5°	1025.4	1035.1	1061.1	1086.1	1099.2
50°	905.8	929.4	947.1	960.3	975.8
52.5°	802.5	822.7	827.2	842.8	855.9
55°	702.8	717.0	712.1	725.3	738.4
57.5°	618.5	611.3	596.0	618.5	635.2
60°	538.9	519.8	493.8	524.7	549.6
62.5°	467.8	436.9	404.8	435.6	477.2
65°	404.8	372.8	333.7	363.2	407.2
67.5°	357.3	324.0	277.9	307.4	351.4
70°	321.6	287.3	239.8	264.7	303.9
72.5°	293.2	256.4	214.9	231.5	264.7
75°	265.8	229.1	199.3	204.1	235.0
77.5°	233.9	206.5	182.7	180.5	204.1
80°	195.8	187.5	159.1	155.6	168.4
82.5°	161.5	158.0	130.6	127.1	131.7
85°	117.5	122.3	92.5	90.1	95.0
87.5°	61.7	67.6	48.5	51.0	52.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)