

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: P798199

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

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798199
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-HIGH-3500K
Description: GRLED Selectable
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

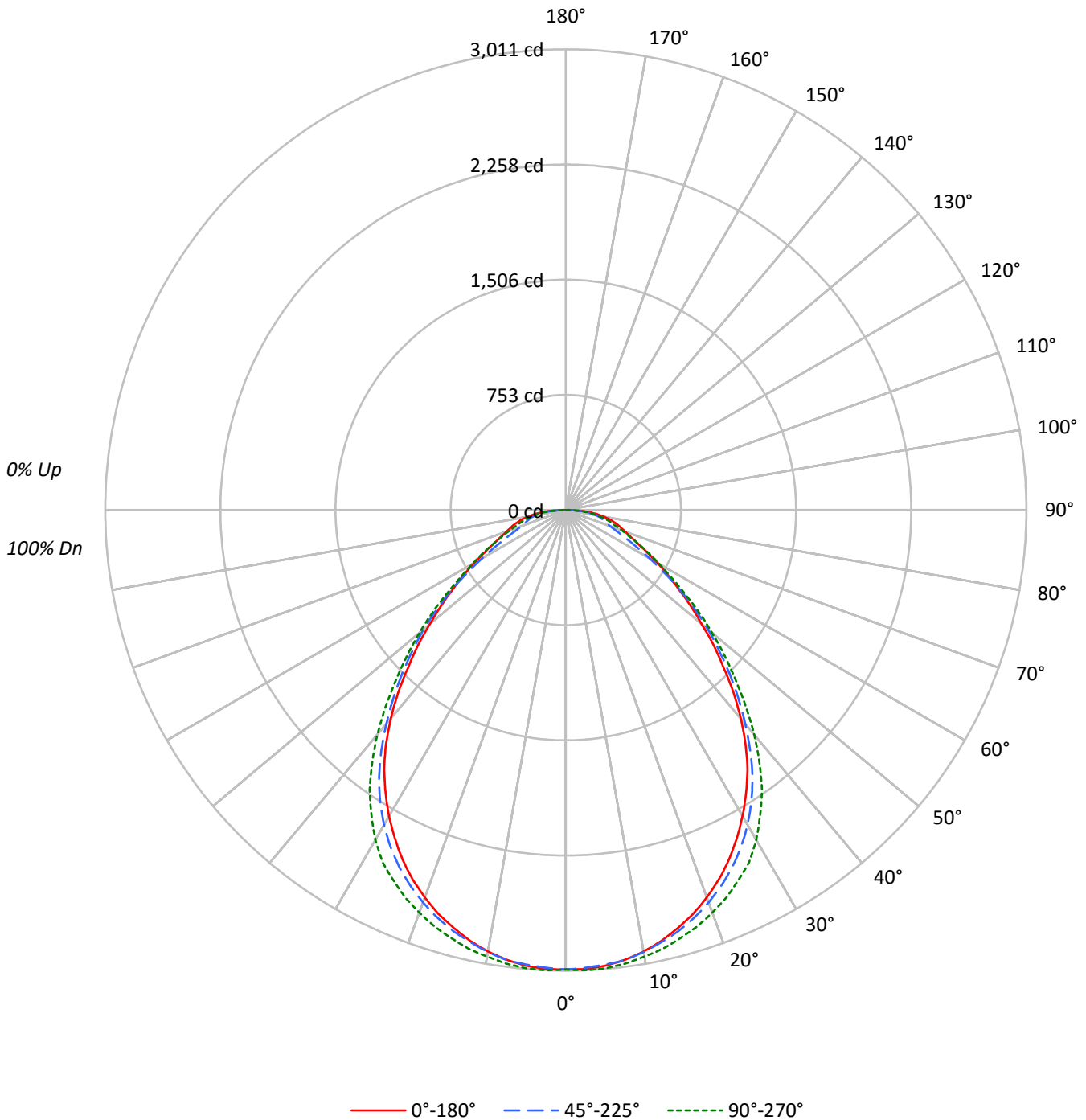
Lumens per Lamp: N/A
Luminaire Lumens: 6515.0 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.22 / 1.24
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 48.6
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			
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	88	86	
2	101	94	87	82	98	92	86	81	88	83	79	85	81	78	82	79	76	76	74	
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	66	64	
4	86	75	67	61	84	74	66	60	71	65	59	69	63	59	67	62	58	58	56	
5	80	68	59	53	78	67	59	53	65	58	52	63	57	52	61	56	51	51	49	
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	46	44	
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	46	41	41	39	
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	37	36	
9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34	34	32	
10	57	44	37	32	55	44	36	32	43	36	31	42	36	31	41	35	31	31	29	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8081	8081	8081
5°	8075	8055	8121
10°	8006	8015	8098
15°	7880	7934	8070
20°	7717	7817	8017
25°	7491	7645	7924
30°	7179	7382	7736
35°	6802	6991	7345
40°	6253	6409	6728
45°	5556	5758	5966
50°	4853	5074	5228
55°	4219	4275	4434
60°	3711	3401	3785
65°	3298	2719	3318
70°	3238	2415	3060
75°	3537	2651	3126
80°	3883	3154	3341
85°	4641	3656	3751

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 5966 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.8	4.4
10°-20°	804.9	12.4
20°-30°	1188.2	18.2
30°-40°	1329.6	20.4
40°-50°	1167.6	17.9
50°-60°	826.2	12.7
60°-70°	480.9	7.4
70°-80°	299.7	4.6
80°-90°	134.1	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°	2276.9	34.9
0°-40°	3606.5	55.4
0°-60°	5600.3	86.0
0°-90°	6515.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6515.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3003	3003	3003	3003	3003	
5°	2989	2982	2982	2997	3006	283
15°	2828	2835	2848	2878	2897	797
25°	2523	2534	2575	2636	2669	1159
35°	2070	2079	2128	2192	2236	1288
45°	1460	1476	1513	1549	1568	1129
55°	899	918	911	928	945	813
65°	518	477	427	465	521	525
75°	340	293	255	261	301	355
85°	150	156	118	115	122	153
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3003.1	3003.1	3003.1	3003.1	3003.1
2.5°	3003.1	2996.9	2993.9	3004.5	3010.7
5°	2989.4	2981.8	2981.8	2996.9	3006.2
7.5°	2965.0	2957.5	2966.7	2980.1	2989.4
10°	2930.0	2927.3	2933.1	2951.3	2963.7
12.5°	2884.7	2886.1	2892.3	2921.1	2936.2
15°	2828.4	2834.6	2848.0	2878.5	2896.7
17.5°	2767.7	2772.1	2793.4	2828.4	2854.2
20°	2694.9	2703.8	2729.6	2773.8	2799.6
22.5°	2614.2	2624.9	2656.8	2710.0	2741.9
25°	2522.9	2533.6	2574.7	2635.5	2668.8
27.5°	2419.9	2436.4	2482.1	2549.0	2594.3
30°	2310.4	2324.2	2375.7	2451.5	2489.6
32.5°	2193.4	2210.2	2258.6	2331.7	2365.0
35°	2070.5	2079.4	2128.2	2192.0	2236.0
37.5°	1930.8	1935.3	1980.9	2040.0	2079.4
40°	1780.1	1783.2	1824.4	1880.7	1915.4
42.5°	1623.9	1625.3	1669.2	1711.8	1742.4
45°	1459.9	1476.3	1513.1	1549.4	1567.6
47.5°	1312.3	1324.6	1357.9	1389.8	1406.7
50°	1159.2	1189.4	1212.0	1228.8	1248.8
52.5°	1027.0	1052.8	1058.6	1078.5	1095.3
55°	899.3	917.5	911.3	928.2	945.0
57.5°	791.5	782.3	762.7	791.5	812.8
60°	689.6	665.2	631.9	671.4	703.3
62.5°	598.6	559.2	518.0	557.4	610.6
65°	518.0	477.1	427.0	464.8	521.1
67.5°	457.2	414.7	355.6	393.4	449.7
70°	411.6	367.6	306.9	338.8	388.9
72.5°	375.2	328.2	274.9	296.2	338.8
75°	340.2	293.1	255.0	261.2	300.7
77.5°	299.3	264.3	233.8	231.0	261.2
80°	250.6	239.9	203.5	199.1	215.6
82.5°	206.6	202.2	167.2	162.7	168.5
85°	150.3	156.5	118.4	115.3	121.5
87.5°	78.9	86.5	62.1	65.2	66.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)