

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: P798180

Luminaire Tested: 22GRSCT3-A-UNV-HIGH-3000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798180  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P292160)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 22GRSCT3-A-UNV-HIGH-3000K  
Description: GRLED Selectable  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

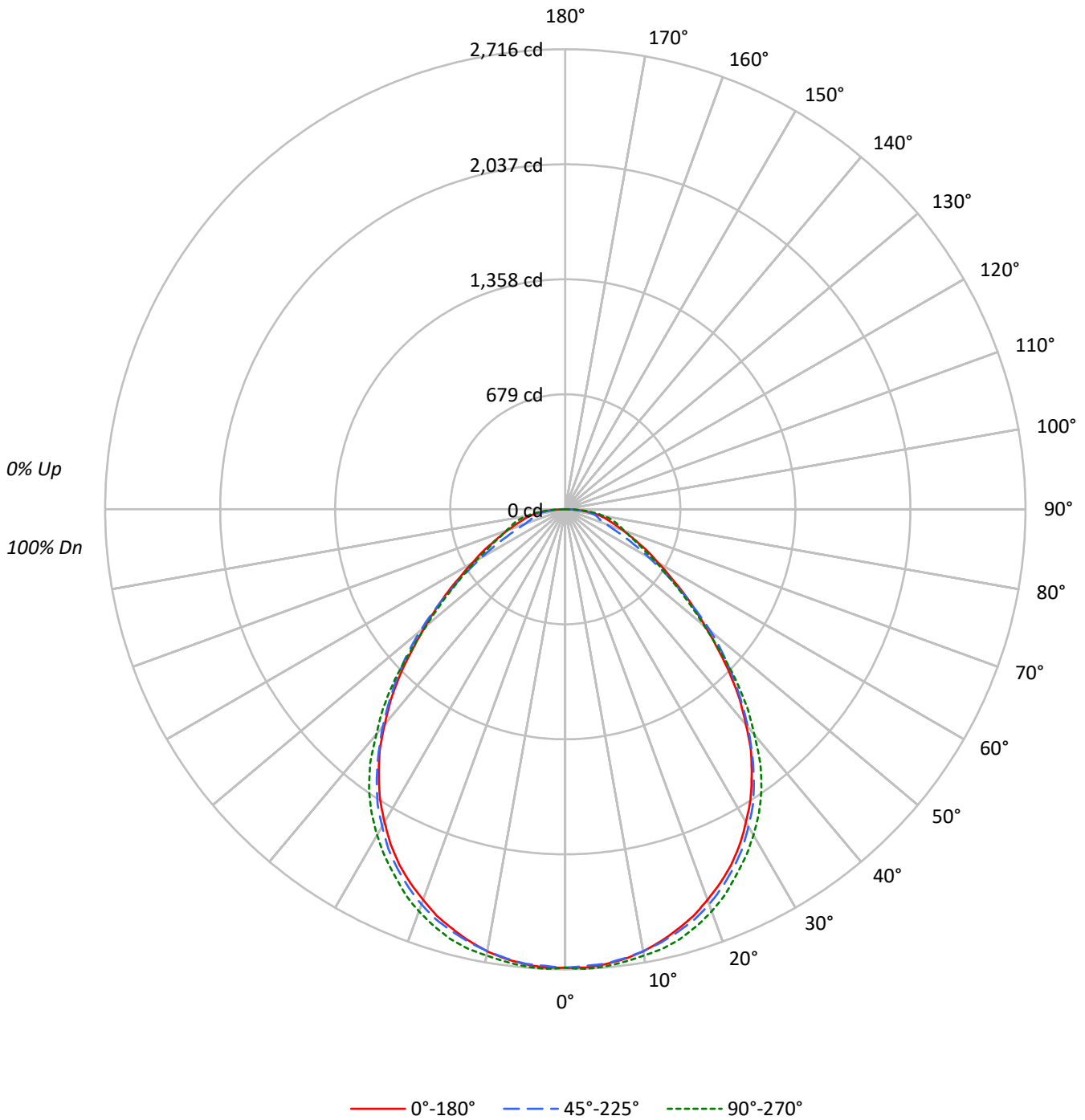
Lumens per Lamp: N/A  
Luminaire Lumens: 5910.0 lumens  
Efficiency: N/A  
Efficacy: 116.1 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.25  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 50.9  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74
3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51	49
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44
7	69	56	48	42	67	55	48	42	54	47	42	53	46	42	51	46	41	39
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36
9	60	48	40	35	59	47	40	35	46	39	34	45	39	34	44	38	34	32
10	57	44	37	32	55	44	36	32	43	36	31	42	36	31	41	35	31	30

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

	0°	45°	90°
0°	7283	7283	7283
5°	7285	7274	7318
10°	7242	7238	7310
15°	7149	7188	7314
20°	7026	7109	7235
25°	6876	6955	7081
30°	6628	6718	6902
35°	6302	6375	6632
40°	5827	5889	6097
45°	5234	5328	5412
50°	4526	4687	4479
55°	3949	3846	3795
60°	3420	3078	3286
65°	3057	2418	2952
70°	2836	2002	2912
75°	2830	2116	3230
80°	3135	2662	3645
85°	3273	2887	4116

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 5412 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.1	4.3
10°-20°	729.5	12.3
20°-30°	1078.9	18.3
30°-40°	1217.5	20.6
40°-50°	1073.2	18.2
50°-60°	736.2	12.5
60°-70°	434.4	7.4
70°-80°	271.1	4.6
80°-90°	113.0	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°	2064.5	34.9
0°-40°	3282.0	55.5
0°-60°	5091.4	86.1
0°-90°	5910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5910.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2706	2706	2706	2706	2706	
5°	2697	2692	2693	2702	2709	256
15°	2566	2569	2580	2612	2625	723
25°	2316	2324	2342	2372	2385	1064
35°	1918	1935	1940	1987	2019	1195
45°	1375	1382	1400	1408	1422	1057
55°	842	821	820	792	809	755
65°	480	422	380	439	464	484
75°	272	245	204	285	311	292
85°	106	99	94	122	133	114
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2706.4	2706.4	2706.4	2706.4	2706.4
2.5°	2708.0	2701.2	2698.4	2709.2	2716.1
5°	2696.8	2691.5	2692.8	2702.4	2709.2
7.5°	2677.8	2673.5	2673.5	2687.5	2694.3
10°	2650.2	2649.0	2649.0	2665.4	2675.1
12.5°	2611.7	2613.2	2618.5	2640.6	2657.0
15°	2566.3	2569.1	2580.0	2611.7	2625.3
17.5°	2516.9	2516.9	2538.6	2563.5	2580.0
20°	2453.5	2457.5	2482.4	2510.1	2526.5
22.5°	2388.9	2395.7	2416.5	2447.9	2463.1
25°	2315.9	2324.2	2342.3	2372.4	2384.8
27.5°	2230.7	2241.6	2260.9	2282.9	2309.0
30°	2133.1	2149.6	2162.0	2192.2	2221.1
32.5°	2034.0	2049.2	2062.9	2094.6	2127.6
35°	1918.4	1934.9	1940.5	1987.4	2018.8
37.5°	1800.4	1807.2	1810.0	1856.6	1891.1
40°	1658.7	1672.3	1676.4	1713.7	1735.7
42.5°	1522.6	1527.8	1536.2	1563.6	1590.0
45°	1375.3	1382.1	1400.1	1408.2	1422.2
47.5°	1221.2	1242.0	1262.5	1236.4	1237.6
50°	1081.0	1097.5	1119.6	1069.8	1069.8
52.5°	955.8	964.2	965.4	924.1	932.5
55°	841.8	820.9	819.7	792.0	808.8
57.5°	727.4	700.1	690.4	682.0	701.3
60°	635.4	585.7	572.0	584.5	610.6
62.5°	559.6	496.5	470.4	502.1	525.4
65°	480.1	422.3	379.7	438.7	463.6
67.5°	418.2	362.9	307.9	391.8	409.8
70°	360.4	317.6	254.5	356.1	370.1
72.5°	313.5	280.6	220.0	321.9	338.4
75°	272.2	244.9	203.5	284.6	310.7
77.5°	239.3	209.1	189.9	246.1	277.8
80°	202.3	171.8	171.8	206.3	235.2
82.5°	159.4	134.9	138.9	167.8	188.3
85°	106.0	99.1	93.5	122.4	133.3
87.5°	53.8	55.0	49.4	63.4	64.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)