

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: P798191

Luminaire Tested: 22GRSCT3-A19 156-UNV-HIGH-4000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798191  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P292552)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 22GRSCT3-A19 156-UNV-HIGH-4000K  
Description: GRLED Selectable  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

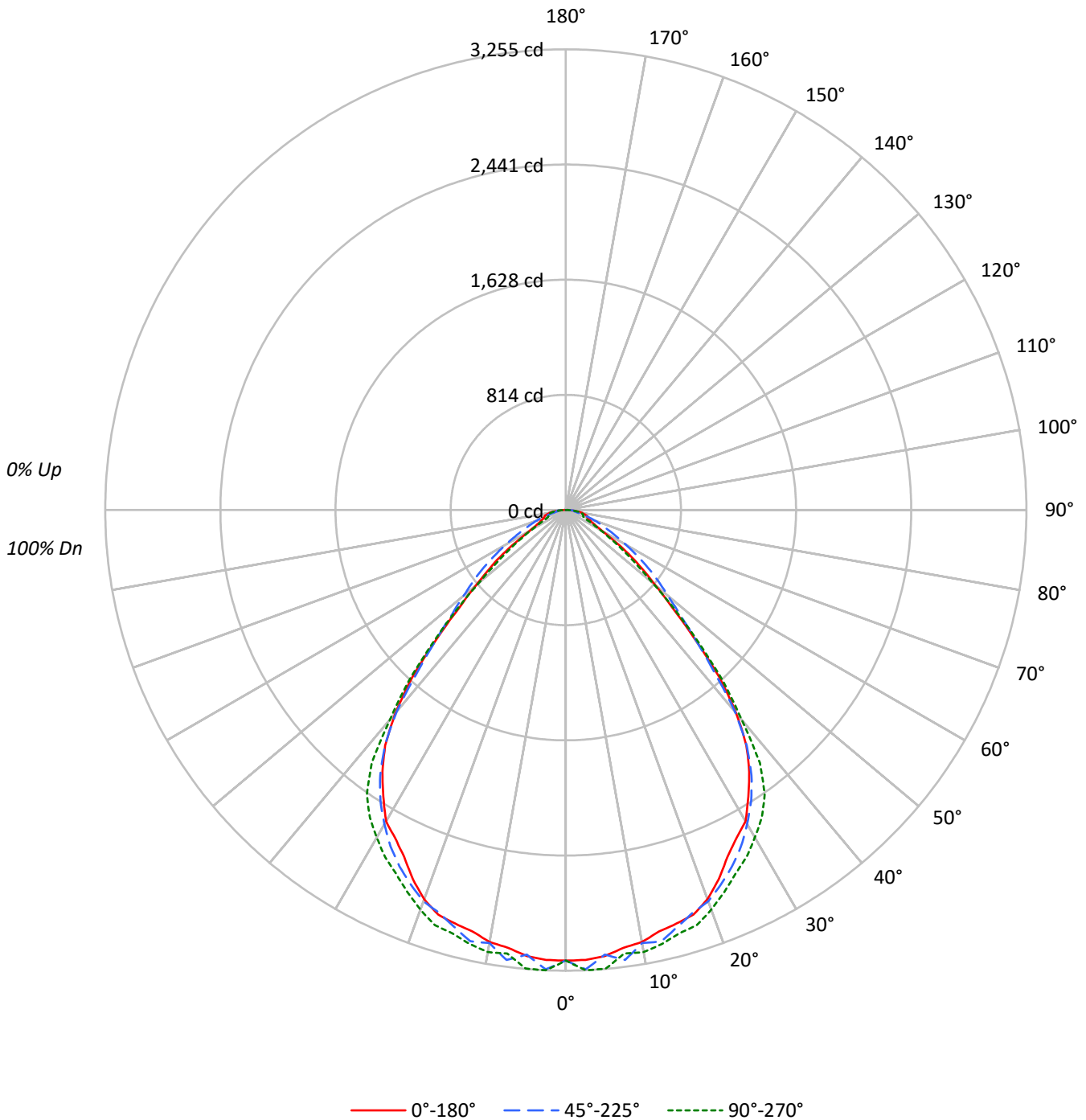
Lumens per Lamp: N/A  
Luminaire Lumens: 6107.6 lumens  
Efficiency: N/A  
Efficacy: 120.0 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.24 / 1.21  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

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	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	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	91	90	90	90	90	88
2	103	96	90	85	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	86	79	74	93	85	79	73	82	77	72	79	75	71	77	73	70	70	70	70	68
4	88	78	71	65	86	77	70	64	75	68	64	72	67	63	70	66	62	62	62	62	60
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	59	56	56	56	56	54
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	50	50	50	48
7	72	60	52	46	70	59	51	46	57	51	46	56	50	46	55	49	45	45	45	45	44
8	67	55	47	42	66	54	47	42	53	46	42	52	46	41	51	45	41	41	41	41	40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	38	38	38	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	35	35	35	33

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

	0°	45°	90°
0°	8566	8566	8566
5°	8544	8517	8785
10°	8466	8489	8666
15°	8427	8491	8627
20°	8382	8423	8604
25°	8024	8250	8421
30°	7892	7964	8304
35°	7422	7516	8050
40°	6577	6531	6789
45°	4912	4923	5060
50°	3458	3934	3349
55°	2553	3322	2289
60°	1596	2625	1495
65°	1300	2079	1044
70°	1290	1733	1031
75°	1599	1272	1332
80°	1784	1003	1627
85°	1778	1868	1819

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 5312 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	303.0	5.0
10°-20°	863.1	14.1
20°-30°	1278.3	20.9
30°-40°	1431.9	23.4
40°-50°	1052.1	17.2
50°-60°	588.1	9.6
60°-70°	327.8	5.4
70°-80°	192.6	3.2
80°-90°	70.8	1.2
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°	2444.4	40.0
0°-40°	3876.3	63.5
0°-60°	5516.5	90.3
0°-90°	6107.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6107.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3183	3183	3183	3183	3183	
5°	3163	3222	3153	3218	3252	299
15°	3025	3043	3048	3094	3097	854
25°	2703	2724	2779	2818	2836	1253
35°	2259	2261	2288	2392	2450	1400
45°	1291	1396	1294	1386	1330	1009
55°	544	662	708	707	488	485
65°	204	363	326	419	164	211
75°	154	217	122	246	128	155
85°	58	85	60	78	59	63
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3183.2	3183.2	3183.2	3183.2	3183.2
2.5°	3181.6	3210.6	3248.0	3252.2	3255.1
5°	3163.1	3221.9	3153.0	3217.7	3252.2
7.5°	3119.8	3155.9	3206.0	3141.3	3160.2
10°	3098.4	3106.8	3106.8	3187.5	3171.5
12.5°	3049.3	3106.8	3121.1	3105.5	3140.0
15°	3024.9	3043.4	3048.0	3093.8	3096.7
17.5°	2997.5	2993.3	2983.2	3016.1	3075.3
20°	2927.0	2911.0	2941.3	2981.6	3004.7
22.5°	2823.2	2827.8	2863.6	2896.7	2922.7
25°	2702.6	2724.0	2778.7	2817.7	2836.2
27.5°	2611.8	2643.4	2680.8	2727.0	2764.4
30°	2540.0	2537.0	2563.1	2629.1	2672.3
32.5°	2400.4	2410.5	2437.8	2516.9	2577.4
35°	2259.3	2260.6	2287.9	2391.7	2450.5
37.5°	2096.7	2085.3	2100.9	2213.1	2252.1
40°	1872.3	1874.9	1859.3	1938.3	1932.5
42.5°	1610.2	1633.2	1551.3	1654.7	1647.6
45°	1290.8	1395.8	1293.7	1385.8	1329.5
47.5°	1018.9	1174.4	1089.5	1157.1	1052.1
50°	826.1	985.7	939.6	969.8	800.0
52.5°	677.8	807.2	821.8	829.0	624.4
55°	544.1	661.8	708.0	706.7	487.8
57.5°	401.6	538.2	591.6	613.0	369.8
60°	296.6	447.5	487.8	535.3	277.7
62.5°	239.0	392.9	402.9	469.0	211.4
65°	204.2	362.6	326.5	418.9	163.9
67.5°	181.5	338.2	266.4	374.0	139.5
70°	163.9	300.8	220.2	335.3	131.1
72.5°	159.7	256.3	169.8	299.2	129.4
75°	153.8	217.2	122.3	246.2	128.1
77.5°	132.4	185.7	87.8	189.9	119.4
80°	115.1	148.3	64.7	142.4	105.0
82.5°	89.1	112.2	57.6	108.0	84.9
85°	57.6	84.9	60.5	77.7	58.9
87.5°	27.3	47.5	43.3	41.6	30.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)