

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: P798190

Luminaire Tested: 22GRSCT3-A19 156-UNV-HIGH-3500K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798190  
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-3500K  
Description: GRLED Selectable  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

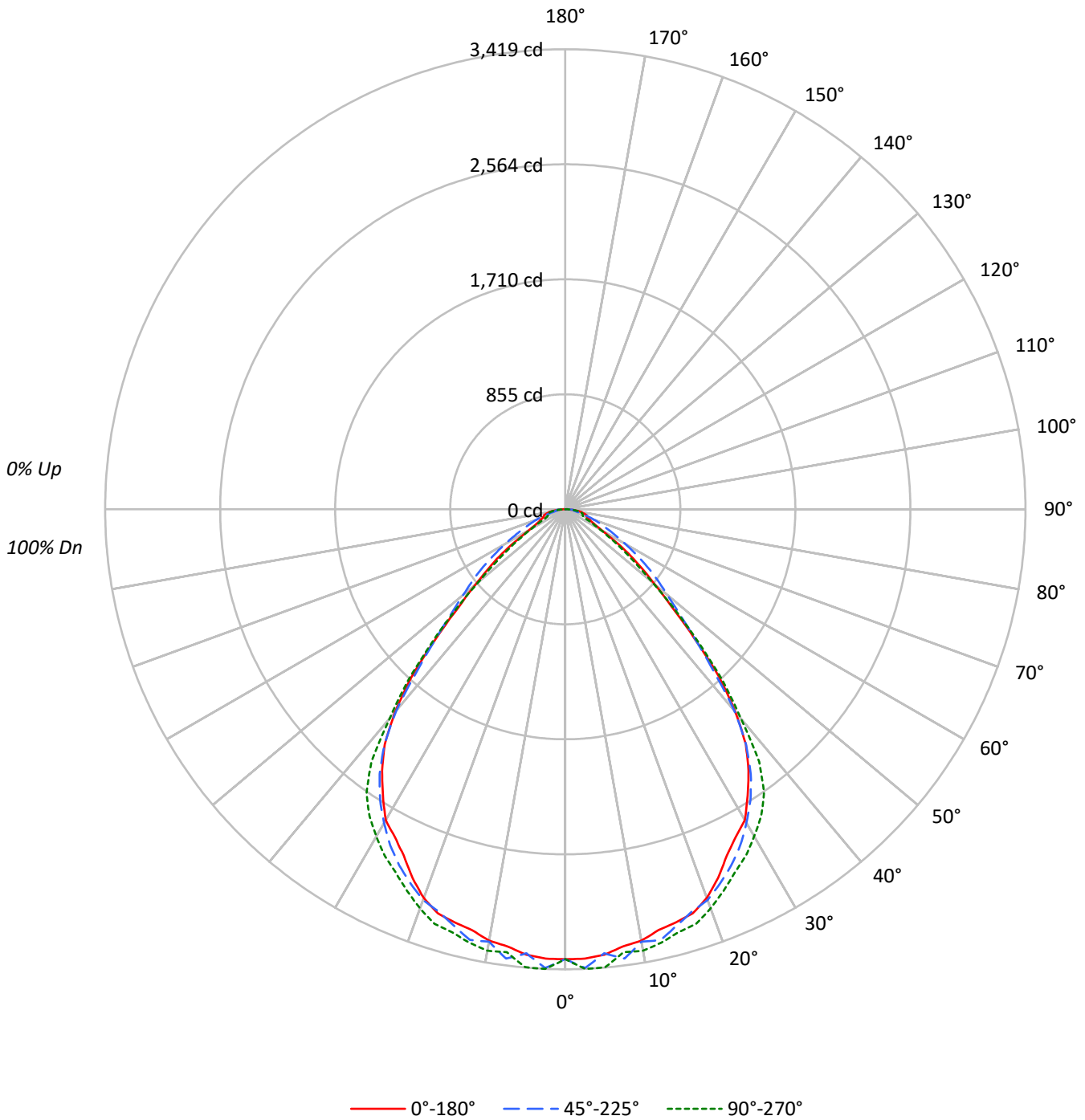
Lumens per Lamp: N/A  
Luminaire Lumens: 6415.8 lumens  
Efficiency: N/A  
Efficacy: 132.0 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.24 / 1.21  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 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	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°	8998	8998	8998
5°	8975	8947	9228
10°	8893	8918	9104
15°	8852	8920	9063
20°	8805	8848	9039
25°	8429	8667	8846
30°	8291	8366	8723
35°	7796	7895	8456
40°	6909	6861	7131
45°	5160	5172	5315
50°	3633	4132	3518
55°	2682	3489	2404
60°	1677	2758	1570
65°	1366	2184	1096
70°	1355	1820	1083
75°	1680	1336	1399
80°	1874	1054	1709
85°	1868	1961	1908

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 5580 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.3	5.0
10°-20°	906.6	14.1
20°-30°	1342.8	20.9
30°-40°	1504.1	23.4
40°-50°	1105.2	17.2
50°-60°	617.8	9.6
60°-70°	344.3	5.4
70°-80°	202.3	3.2
80°-90°	74.4	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°	2567.8	40.0
0°-40°	4071.9	63.5
0°-60°	5794.9	90.3
0°-90°	6415.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6415.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3344	3344	3344	3344	3344	
5°	3323	3384	3312	3380	3416	314
15°	3178	3197	3202	3250	3253	897
25°	2839	2862	2919	2960	2979	1316
35°	2373	2375	2403	2512	2574	1470
45°	1356	1466	1359	1456	1397	1059
55°	572	695	744	742	512	510
65°	214	381	343	440	172	222
75°	162	228	128	259	135	162
85°	60	89	64	82	62	66
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3343.9	3343.9	3343.9	3343.9	3343.9
2.5°	3342.2	3372.6	3411.9	3416.3	3419.4
5°	3322.7	3384.5	3312.1	3380.1	3416.3
7.5°	3277.3	3315.2	3367.8	3299.8	3319.6
10°	3254.7	3263.6	3263.6	3348.3	3331.6
12.5°	3203.1	3263.6	3278.6	3262.2	3298.5
15°	3177.5	3197.0	3201.8	3249.9	3253.0
17.5°	3148.8	3144.4	3133.8	3168.3	3230.5
20°	3074.7	3057.9	3089.7	3132.1	3156.3
22.5°	2965.7	2970.5	3008.1	3042.9	3070.2
25°	2839.0	2861.5	2918.9	2959.9	2979.4
27.5°	2743.6	2776.8	2816.1	2864.6	2903.9
30°	2668.1	2665.1	2692.4	2761.8	2807.2
32.5°	2521.6	2532.2	2560.9	2643.9	2707.4
35°	2373.3	2374.7	2403.4	2512.4	2574.2
37.5°	2202.5	2190.5	2206.9	2324.8	2365.8
40°	1966.8	1969.5	1953.1	2036.1	2030.0
42.5°	1691.4	1715.7	1629.6	1738.2	1730.7
45°	1355.9	1466.3	1359.0	1455.7	1396.6
47.5°	1070.3	1233.6	1144.5	1215.5	1105.2
50°	867.7	1035.5	987.0	1018.7	840.4
52.5°	712.0	847.9	863.3	870.8	655.9
55°	571.6	695.2	743.7	742.4	512.4
57.5°	421.9	565.4	621.4	644.0	388.4
60°	311.6	470.1	512.4	562.3	291.8
62.5°	251.1	412.7	423.3	492.6	222.1
65°	214.5	380.9	343.0	440.0	172.2
67.5°	190.6	355.3	279.8	392.9	146.6
70°	172.2	316.0	231.3	352.2	137.7
72.5°	167.7	269.2	178.3	314.3	136.0
75°	161.6	228.2	128.5	258.6	134.6
77.5°	139.0	195.1	92.2	199.5	125.4
80°	120.9	155.8	68.0	149.6	110.3
82.5°	93.6	117.9	60.5	113.4	89.2
85°	60.5	89.2	63.5	81.7	61.8
87.5°	28.7	49.9	45.4	43.7	31.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)