

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P798142

Luminaire Tested: 14GRSCT3-A19 156-UNV-MID-3500K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798142  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P291376)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 14GRSCT3-A19 156-UNV-MID-3500K  
Description: GRLED Selectable  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

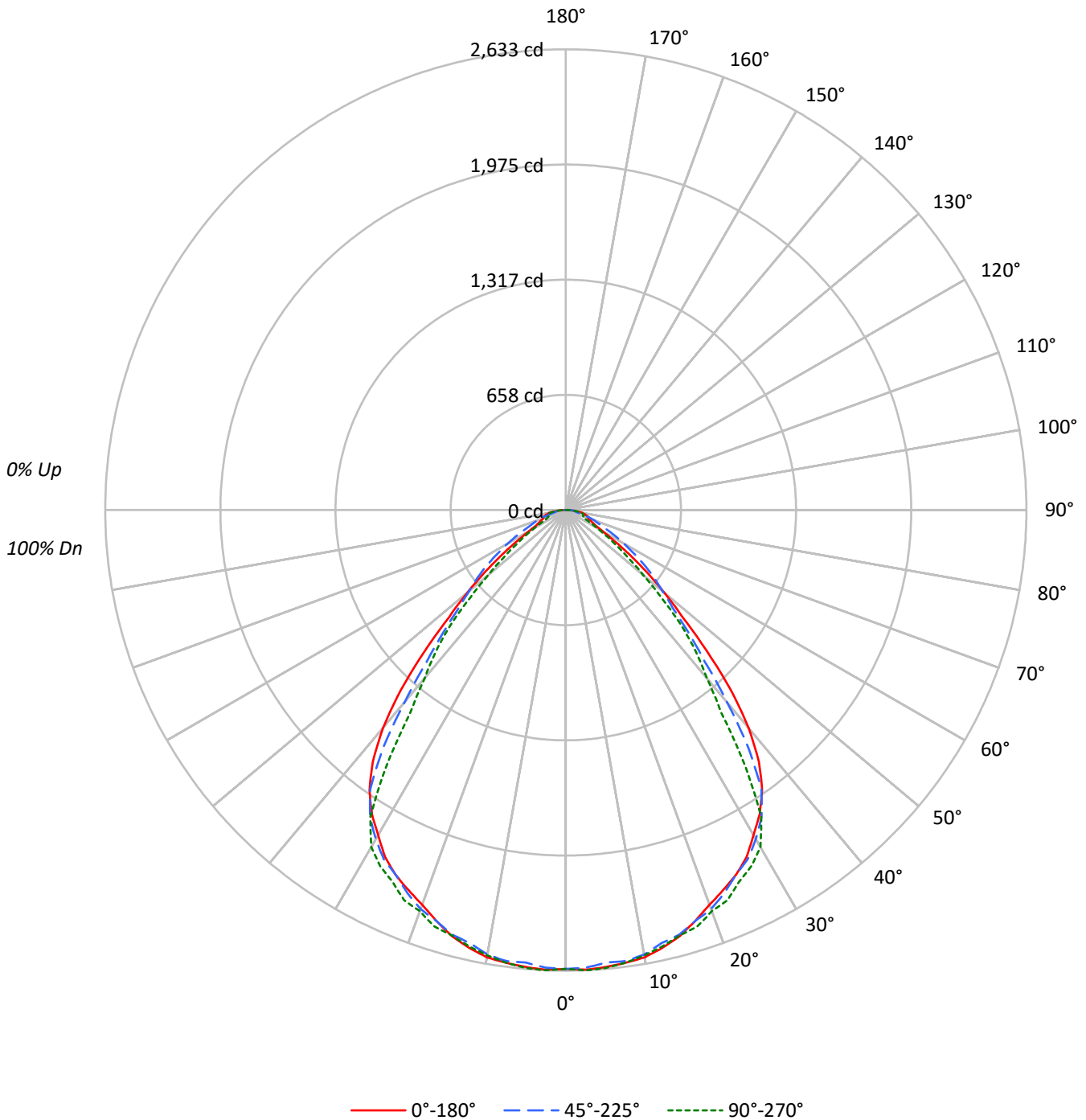
Lumens per Lamp: N/A  
Luminaire Lumens: 4932.5 lumens  
Efficiency: N/A  
Efficacy: 131.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.23 / 1.18  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 37.5  
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				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	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	79	79	77
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	70	70	70	68
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	63	63	63	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	56	56	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	51	51	51	49
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	46	46	46	44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	42	42	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	38	38	38	37
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	35	35	35	34

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

	0°	45°	90°
0°	7058	7058	7058
5°	7082	7015	7097
10°	7093	7050	7062
15°	7021	6995	7011
20°	6874	6949	6987
25°	6832	6829	6959
30°	6666	6747	6912
35°	6428	6402	5883
40°	5708	5037	4410
45°	4331	3768	3566
50°	3072	3016	2420
55°	2103	2575	1664
60°	1301	2054	1111
65°	1071	1582	804
70°	1065	1378	827
75°	1280	987	1104
80°	1471	910	1384
85°	1392	1606	1565

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 4521 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	248.9	5.0
10°-20°	710.3	14.4
20°-30°	1068.2	21.7
30°-40°	1164.5	23.6
40°-50°	815.4	16.5
50°-60°	461.6	9.4
60°-70°	252.6	5.1
70°-80°	153.1	3.1
80°-90°	58.0	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°	2027.3	41.1
0°-40°	3191.9	64.7
0°-60°	4468.8	90.6
0°-90°	4932.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4932.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2623	2623	2623	2623	2623	
5°	2622	2617	2597	2627	2627	249
15°	2520	2513	2511	2547	2517	709
25°	2301	2306	2300	2353	2344	1057
35°	1957	1948	1949	1849	1791	1206
45°	1138	1188	990	978	937	884
55°	448	536	549	544	355	410
65°	168	276	248	314	126	173
75°	123	177	95	186	106	128
85°	45	74	52	63	51	50
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2622.9	2622.9	2622.9	2622.9	2622.9
2.5°	2629.6	2626.3	2618.3	2634.1	2633.1
5°	2621.8	2617.2	2596.8	2627.4	2627.4
7.5°	2610.5	2599.3	2600.3	2617.2	2609.5
10°	2595.8	2576.5	2579.9	2584.5	2584.5
12.5°	2562.0	2543.7	2534.9	2549.4	2553.9
15°	2520.1	2513.4	2511.0	2547.2	2516.6
17.5°	2461.4	2476.1	2462.5	2492.0	2496.5
20°	2400.5	2428.7	2426.5	2446.6	2439.9
22.5°	2350.9	2368.9	2368.9	2393.8	2413.9
25°	2301.0	2305.6	2299.9	2353.0	2343.9
27.5°	2236.6	2233.4	2251.4	2278.5	2296.4
30°	2145.2	2146.5	2171.2	2207.4	2224.3
32.5°	2061.8	2051.6	2082.1	2098.0	2079.7
35°	1956.6	1947.8	1948.8	1849.3	1790.9
37.5°	1813.4	1821.2	1717.4	1535.5	1458.8
40°	1624.8	1640.7	1433.9	1298.4	1255.5
42.5°	1396.6	1401.1	1175.3	1131.3	1103.2
45°	1138.0	1187.9	990.2	977.9	937.1
47.5°	902.3	994.8	829.9	837.9	740.8
50°	733.8	826.4	720.4	723.6	578.0
52.5°	580.4	670.8	635.7	625.5	453.8
55°	448.2	536.4	548.8	544.2	354.6
57.5°	329.6	424.6	460.8	477.7	273.3
60°	241.7	346.5	381.7	415.5	206.5
62.5°	192.0	300.4	312.7	362.4	160.4
65°	168.2	276.5	248.4	313.8	126.3
67.5°	150.2	263.1	202.2	277.9	110.8
70°	135.4	237.1	175.1	248.4	105.1
72.5°	135.4	207.9	137.9	220.2	106.2
75°	123.1	177.3	94.9	186.4	106.2
77.5°	109.4	151.3	71.1	151.3	99.2
80°	94.9	118.6	58.7	116.4	89.3
82.5°	70.0	89.3	50.7	86.9	72.1
85°	45.1	73.5	52.0	63.3	50.7
87.5°	21.5	37.3	32.7	31.6	26.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)