

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: P798132

Luminaire Tested: 14GRSCT3-A-UNV-MID-3000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798132  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P290984)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 14GRSCT3-A-UNV-MID-3000K  
Description: GRLED Selectable  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

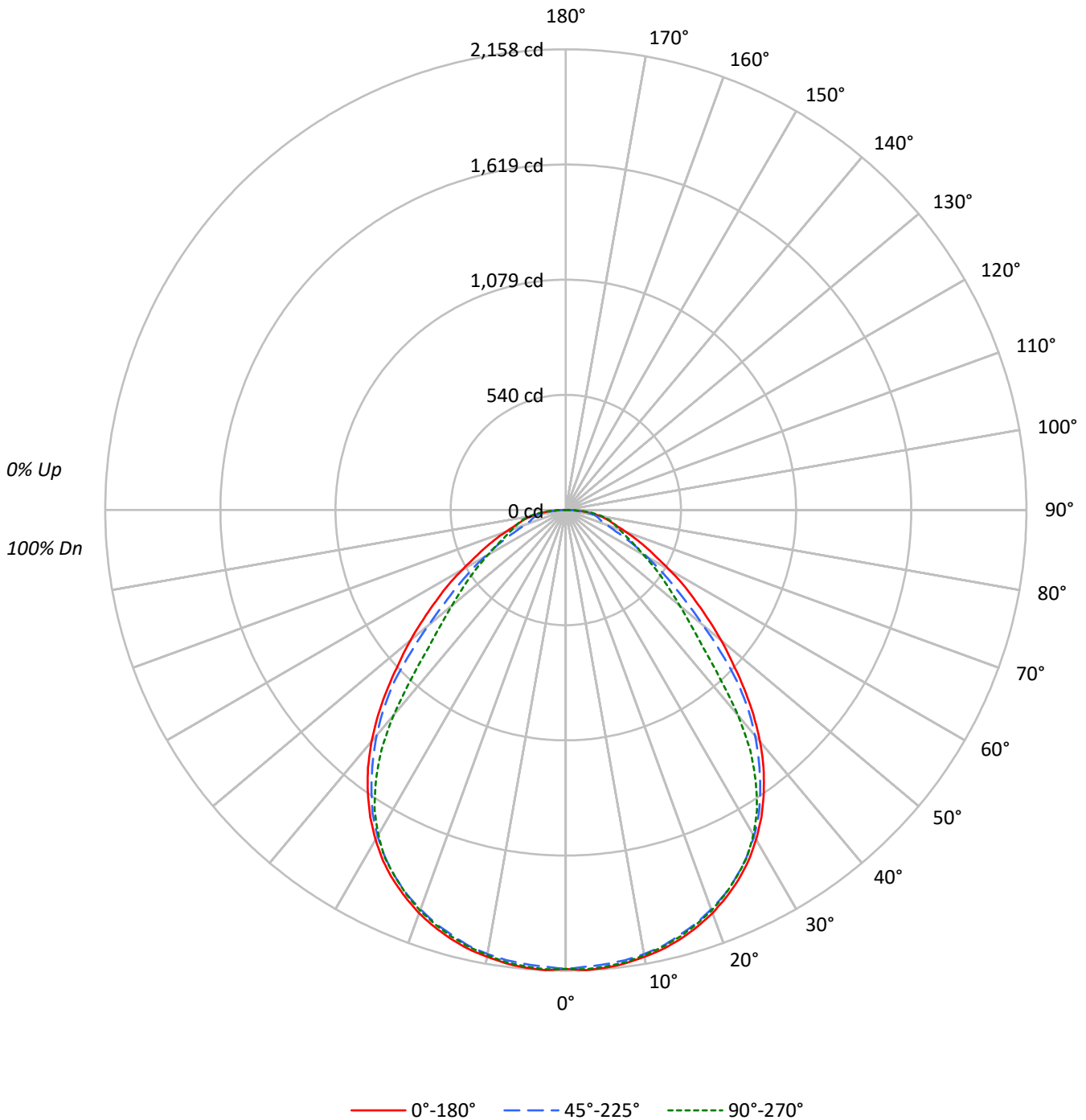
Lumens per Lamp: N/A  
Luminaire Lumens: 4691.5 lumens  
Efficiency: N/A  
Efficacy: 119.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.21 / 1.26  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 39.4  
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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	88	88	88	86
2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	76	76	76	74
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	66	66	66	64
4	86	75	67	61	84	74	67	61	72	65	60	69	64	59	67	62	58	58	58	58	56
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	52	52	52	50
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	46	46	46	44
7	69	57	48	43	67	56	48	43	54	47	42	53	47	42	52	46	42	42	42	42	40
8	65	52	44	38	63	51	44	38	50	43	38	49	43	38	48	42	38	38	38	38	36
9	61	48	40	35	59	47	40	35	46	39	35	45	39	35	44	39	34	34	34	34	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	31	31	31	31	30

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

	0°	45°	90°
0°	5785	5785	5785
5°	5814	5769	5798
10°	5806	5770	5785
15°	5795	5743	5762
20°	5754	5701	5716
25°	5678	5623	5626
30°	5539	5482	5458
35°	5312	5215	5097
40°	4973	4846	4410
45°	4491	4321	3446
50°	3983	3508	2915
55°	3476	2878	2572
60°	3015	2369	2270
65°	2644	1901	2095
70°	2357	1612	2108
75°	2299	1699	2357
80°	2551	2145	2704
85°	2658	2288	3159

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 4507 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	204.0	4.3
10°-20°	584.3	12.5
20°-30°	874.1	18.6
30°-40°	986.7	21.0
40°-50°	837.1	17.8
50°-60°	566.4	12.1
60°-70°	338.1	7.2
70°-80°	211.7	4.5
80°-90°	89.1	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°	1662.4	35.4
0°-40°	2649.2	56.5
0°-60°	4052.6	86.4
0°-90°	4691.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4691.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2150	2150	2150	2150	2150	
5°	2152	2146	2136	2151	2146	205
15°	2080	2076	2062	2076	2068	587
25°	1912	1906	1894	1903	1895	879
35°	1617	1606	1588	1573	1552	1007
45°	1180	1184	1135	973	905	909
55°	741	706	613	549	548	667
65°	415	344	299	318	329	415
75°	221	197	163	216	227	238
85°	86	82	74	96	102	93
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2149.9	2149.9	2149.9	2149.9	2149.9
2.5°	2157.6	2150.9	2141.1	2154.1	2153.1
5°	2152.2	2145.5	2135.7	2150.9	2146.5
7.5°	2142.3	2136.7	2126.9	2141.1	2136.7
10°	2124.7	2120.5	2111.7	2123.7	2117.1
12.5°	2106.3	2103.1	2092.0	2103.1	2096.5
15°	2080.0	2075.8	2061.6	2075.8	2068.2
17.5°	2047.4	2042.0	2030.0	2042.0	2035.4
20°	2009.4	2002.7	1990.7	2002.7	1996.1
22.5°	1963.5	1958.1	1947.3	1958.1	1949.5
25°	1912.4	1905.8	1893.8	1902.6	1894.8
27.5°	1853.5	1844.7	1833.9	1840.3	1836.1
30°	1782.6	1771.8	1764.2	1764.2	1756.6
32.5°	1705.3	1697.7	1684.5	1676.9	1667.1
35°	1617.0	1606.2	1587.6	1573.3	1551.7
37.5°	1522.3	1509.0	1486.2	1450.4	1420.9
40°	1415.6	1399.1	1379.5	1308.6	1255.3
42.5°	1301.0	1297.8	1263.9	1142.9	1068.8
45°	1180.0	1184.4	1135.3	973.1	905.4
47.5°	1058.0	1073.3	983.9	824.9	790.1
50°	951.3	956.7	837.9	716.0	696.4
52.5°	841.1	832.5	714.8	629.9	615.6
55°	741.0	706.2	613.4	549.1	548.2
57.5°	652.7	588.4	524.1	476.3	481.7
60°	560.2	488.0	440.2	413.9	421.8
62.5°	478.2	409.8	367.3	359.5	372.7
65°	415.2	344.3	298.6	318.2	329.0
67.5°	355.3	295.2	242.9	289.8	294.2
70°	299.6	256.2	204.9	267.0	267.9
72.5°	254.0	226.7	177.6	241.9	245.1
75°	221.1	197.3	163.4	215.7	226.7
77.5°	193.8	168.8	151.4	186.2	204.9
80°	164.6	136.2	138.4	155.8	174.5
82.5°	126.4	105.8	110.2	128.6	141.6
85°	86.1	81.7	74.1	95.9	102.3
87.5°	45.9	43.7	38.0	54.5	51.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)