

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: P798156

Luminaire Tested: 14GRSCT3-F1-UNV-LOW-3000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798156  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2311-232-49)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 14GRSCT3-F1-UNV-LOW-3000K  
Description: GRLED Selectable  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

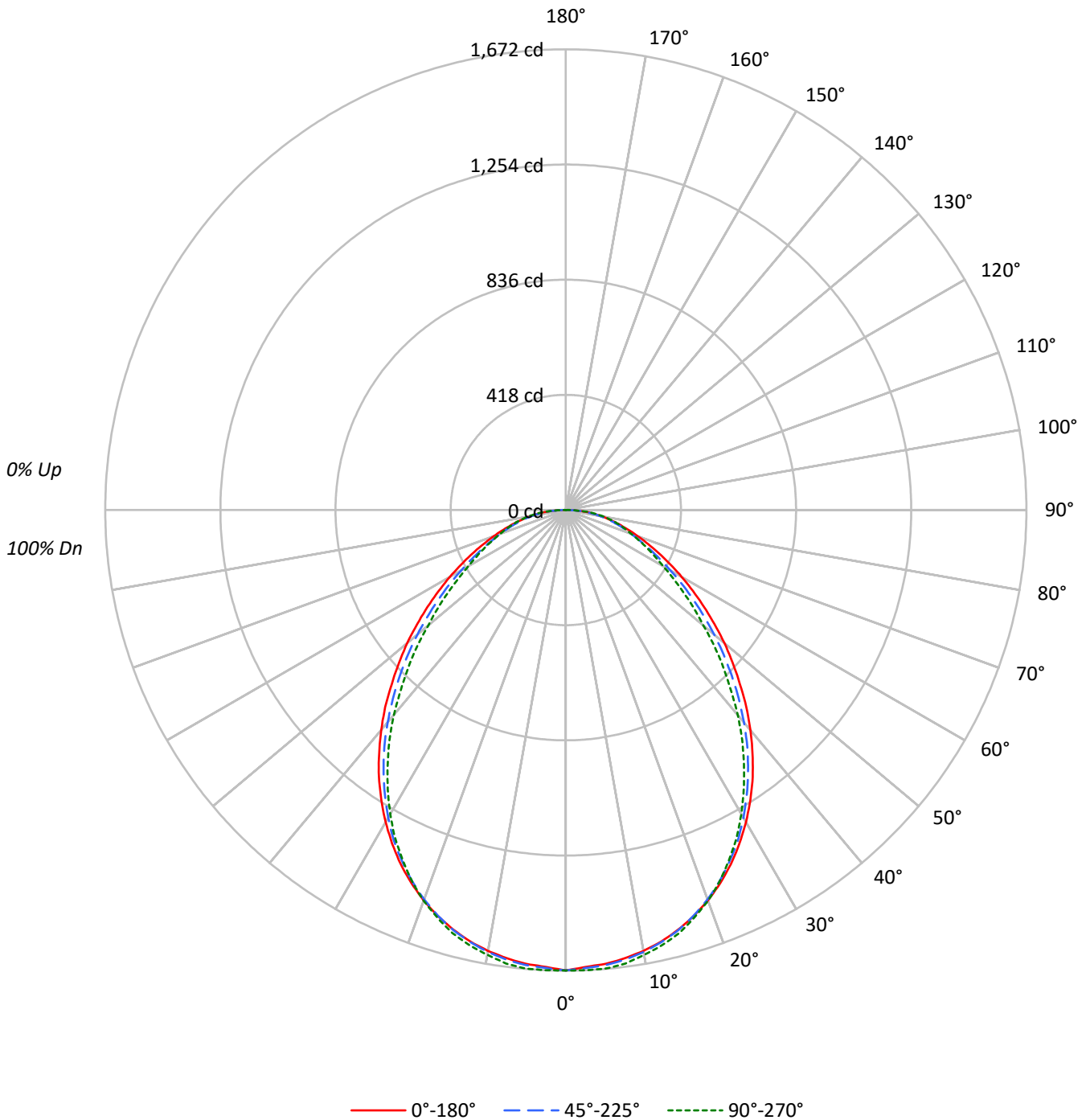
Lumens per Lamp: N/A  
Luminaire Lumens: 3759.0 lumens  
Efficiency: N/A  
Efficacy: 123.7 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.15 / 1.23  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 30.4  
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	100	100	100	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85	85	85	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73	73	73	73
3	92	82	75	68	90	81	74	68	78	72	67	75	70	66	73	68	64	62	62	62	62
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	65	60	56	54	54	54	54
5	78	66	58	52	76	65	57	51	63	56	51	61	55	50	59	54	50	48	48	48	48
6	73	60	52	46	71	59	51	45	57	50	45	56	49	45	54	49	44	42	42	42	42
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38	38	38	38
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	34	34	34	34
9	59	46	39	33	58	46	38	33	45	38	33	44	37	33	43	37	33	31	31	31	31
10	56	43	35	30	54	42	35	30	41	35	30	41	34	30	40	34	30	28	28	28	28

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

	0°	45°	90°
0°	4497	4497	4497
5°	4467	4478	4512
10°	4439	4450	4479
15°	4392	4398	4429
20°	4319	4307	4322
25°	4211	4177	4161
30°	4065	4005	3959
35°	3886	3789	3703
40°	3661	3532	3410
45°	3401	3242	3079
50°	3145	2943	2727
55°	2872	2640	2447
60°	2617	2358	2199
65°	2377	2133	2071
70°	2189	1975	1993
75°	2073	1929	2054
80°	2056	1967	2201
85°	2164	2075	2399

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3401 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.8	4.2
10°-20°	445.5	11.9
20°-30°	648.2	17.2
30°-40°	721.2	19.2
40°-50°	658.2	17.5
50°-60°	506.9	13.5
60°-70°	341.6	9.1
70°-80°	204.3	5.4
80°-90°	75.3	2.0
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°	1251.5	33.3
0°-40°	1972.6	52.5
0°-60°	3137.8	83.5
0°-90°	3759.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3759.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1671	1671	1671	1671	1671	
5°	1654	1671	1658	1660	1670	157
15°	1576	1590	1579	1580	1590	444
25°	1418	1425	1407	1401	1402	652
35°	1183	1180	1153	1134	1127	738
45°	894	887	852	821	809	690
55°	612	596	563	532	522	549
65°	373	358	335	325	325	373
75°	199	193	186	192	198	213
85°	70	67	67	78	78	75
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1671.0	1671.0	1671.0	1671.0	1671.0
2.5°	1659.4	1677.9	1664.0	1667.5	1671.6
5°	1653.6	1671.0	1657.7	1660.0	1670.4
7.5°	1640.9	1659.4	1646.1	1647.8	1660.0
10°	1624.6	1641.4	1628.7	1630.4	1639.1
12.5°	1603.8	1618.8	1606.1	1607.2	1617.7
15°	1576.5	1589.8	1578.8	1580.0	1589.8
17.5°	1545.2	1557.4	1543.5	1544.1	1551.0
20°	1508.1	1519.1	1504.1	1500.6	1509.3
22.5°	1465.2	1473.9	1458.3	1453.1	1458.9
25°	1418.3	1424.7	1406.7	1400.9	1401.5
27.5°	1365.0	1370.2	1352.2	1341.2	1342.4
30°	1308.2	1309.3	1289.0	1276.3	1274.0
32.5°	1246.7	1247.3	1223.0	1209.0	1202.7
35°	1183.0	1179.5	1153.4	1134.3	1127.3
37.5°	1113.4	1109.4	1082.1	1058.9	1051.4
40°	1042.1	1036.3	1005.6	980.7	970.8
42.5°	970.3	962.7	929.1	902.4	886.2
45°	893.7	887.4	852.0	821.3	809.1
47.5°	821.3	812.6	776.7	744.2	731.5
50°	751.2	738.4	703.1	668.9	651.5
52.5°	679.9	666.0	630.0	597.0	586.0
55°	612.1	596.4	562.8	531.5	521.6
57.5°	547.1	531.5	498.5	471.2	461.9
60°	486.3	468.9	438.2	416.2	408.6
62.5°	427.7	410.9	384.9	367.5	364.0
65°	373.3	358.2	335.0	324.6	325.2
67.5°	324.0	310.7	291.5	288.1	286.3
70°	278.2	267.2	251.0	252.7	253.3
72.5°	237.1	228.4	219.1	221.4	224.9
75°	199.4	193.0	185.5	192.4	197.6
77.5°	165.2	158.8	155.9	164.0	168.7
80°	132.7	127.5	126.9	136.2	142.0
82.5°	100.9	97.4	96.8	107.2	111.3
85°	70.1	67.2	67.2	78.2	77.7
87.5°	37.7	36.5	34.2	41.2	37.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)