

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: P798212

Luminaire Tested: 22GRSCT3-F1-UNV-LOW-4000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798212  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2311-232-58)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 22GRSCT3-F1-UNV-LOW-4000K  
Description: GRLED Selectable  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

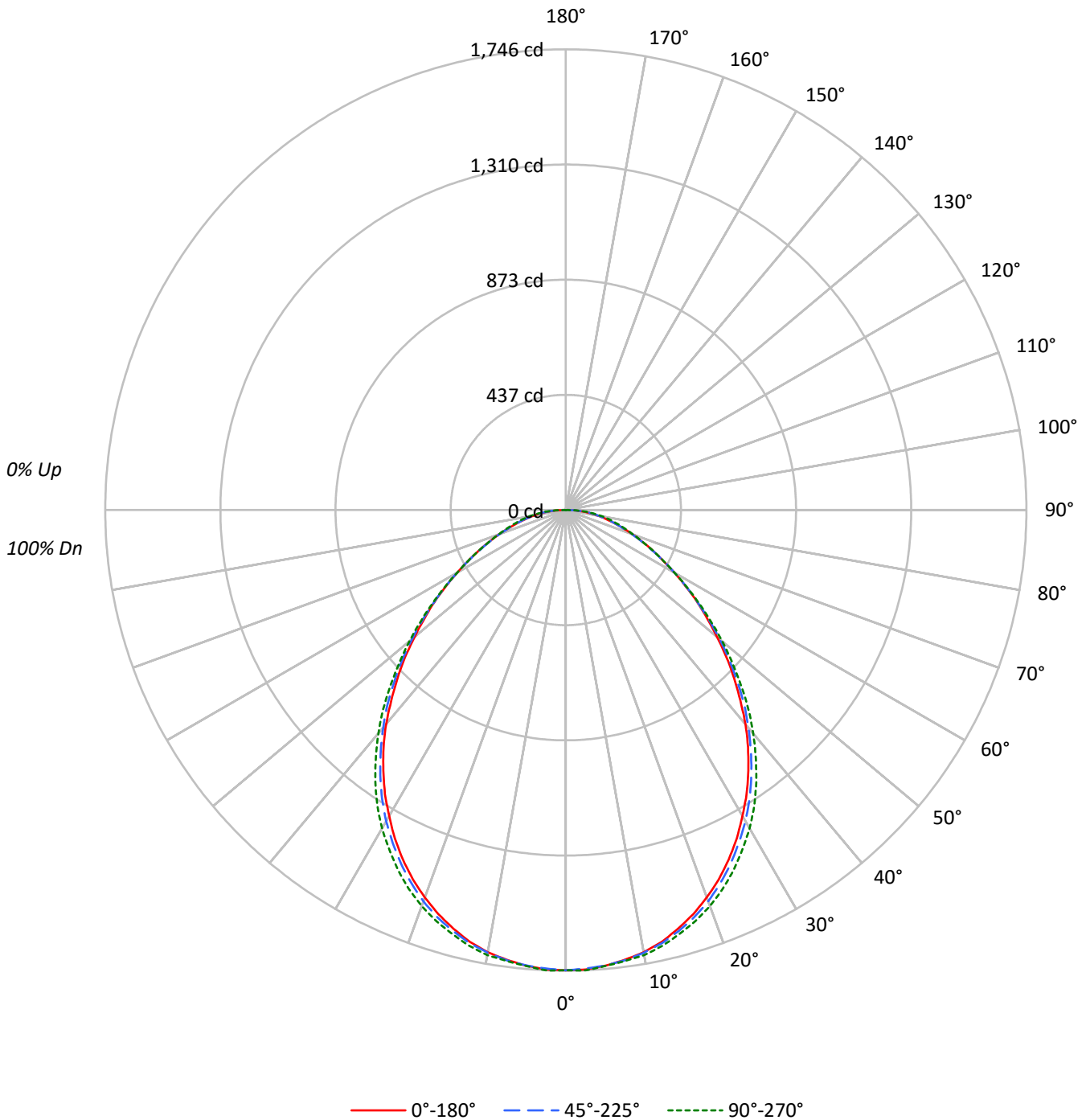
Lumens per Lamp: N/A  
Luminaire Lumens: 3981.0 lumens  
Efficiency: N/A  
Efficacy: 134.9 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.19 / 1.25  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 29.5  
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				
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	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	65	65	65	62
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	65	60	56	56	56	56	54
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	50	50	50	48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	44	44	44	42
7	68	55	46	41	66	54	46	40	52	45	40	51	45	40	50	44	40	40	40	40	38
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	36	36	36	34
9	59	46	38	33	58	46	38	33	45	38	33	44	37	33	43	37	32	32	32	32	31
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	40	34	30	30	30	30	28

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

	0°	45°	90°
0°	4694	4694	4694
5°	4683	4681	4684
10°	4650	4655	4680
15°	4577	4603	4634
20°	4474	4520	4574
25°	4338	4391	4470
30°	4160	4232	4329
35°	3962	4027	4135
40°	3722	3782	3883
45°	3435	3500	3574
50°	3131	3185	3241
55°	2852	2864	2892
60°	2562	2562	2562
65°	2311	2299	2311
70°	2110	2091	2139
75°	1957	1963	2102
80°	1912	1979	2197
85°	2001	2130	2433

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3574 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.6	4.1
10°-20°	465.8	11.7
20°-30°	681.1	17.1
30°-40°	767.5	19.3
40°-50°	710.0	17.8
50°-60°	548.4	13.8
60°-70°	361.9	9.1
70°-80°	206.7	5.2
80°-90°	75.0	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°	1311.5	32.9
0°-40°	2078.9	52.2
0°-60°	3337.4	83.8
0°-90°	3981.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3981.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1744	1744	1744	1744	1744	
5°	1734	1736	1733	1733	1734	164
15°	1643	1649	1652	1658	1663	463
25°	1461	1469	1479	1495	1506	672
35°	1206	1214	1226	1248	1259	753
45°	902	911	920	933	939	696
55°	608	607	610	615	616	544
65°	363	362	361	363	363	362
75°	188	190	189	199	202	202
85°	65	67	69	76	79	69
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1744.5	1744.5	1744.5	1744.5	1744.5
2.5°	1742.6	1744.5	1739.0	1742.0	1746.3
5°	1733.5	1735.9	1732.8	1732.8	1734.1
7.5°	1718.8	1722.5	1720.6	1722.5	1723.7
10°	1701.7	1704.7	1703.5	1708.4	1712.7
12.5°	1676.6	1680.3	1681.5	1687.6	1691.9
15°	1643.0	1649.1	1652.2	1658.3	1663.2
17.5°	1605.8	1612.5	1618.0	1625.9	1633.3
20°	1562.4	1570.3	1578.3	1588.6	1597.2
22.5°	1515.3	1522.7	1530.6	1544.7	1554.4
25°	1460.9	1468.9	1478.7	1495.2	1505.5
27.5°	1403.5	1410.8	1421.2	1440.2	1449.9
30°	1338.7	1349.1	1362.0	1380.9	1393.1
32.5°	1275.8	1284.4	1296.6	1316.1	1329.6
35°	1206.2	1214.1	1225.7	1247.7	1258.7
37.5°	1134.7	1140.8	1152.4	1174.4	1182.9
40°	1059.5	1065.6	1076.6	1096.8	1105.3
42.5°	978.9	989.2	1000.8	1016.1	1024.7
45°	902.5	911.0	919.6	933.0	939.1
47.5°	826.7	832.2	840.2	851.1	854.8
50°	747.9	754.0	760.7	768.7	774.2
52.5°	675.8	679.5	684.3	689.2	692.9
55°	608.0	607.4	610.4	614.7	616.5
57.5°	538.9	539.5	541.4	543.8	545.0
60°	476.0	475.4	476.0	477.2	476.0
62.5°	416.7	416.1	415.5	416.7	417.3
65°	362.9	361.7	361.1	362.9	362.9
67.5°	313.5	312.2	311.0	314.7	314.1
70°	268.2	267.6	265.8	270.7	271.9
72.5°	226.1	226.7	224.9	234.6	235.9
75°	188.2	190.0	188.8	198.6	202.2
77.5°	155.2	157.6	158.3	166.8	171.1
80°	123.4	125.3	127.7	136.3	141.8
82.5°	94.1	95.3	100.2	105.7	110.0
85°	64.8	66.6	69.0	76.4	78.8
87.5°	33.6	35.4	37.3	44.0	42.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)