

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: P798183

Luminaire Tested: 22GRSCT3-A-UNV-LOW-3000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798183  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P292160)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 22GRSCT3-A-UNV-LOW-3000K  
Description: GRLED Selectable  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

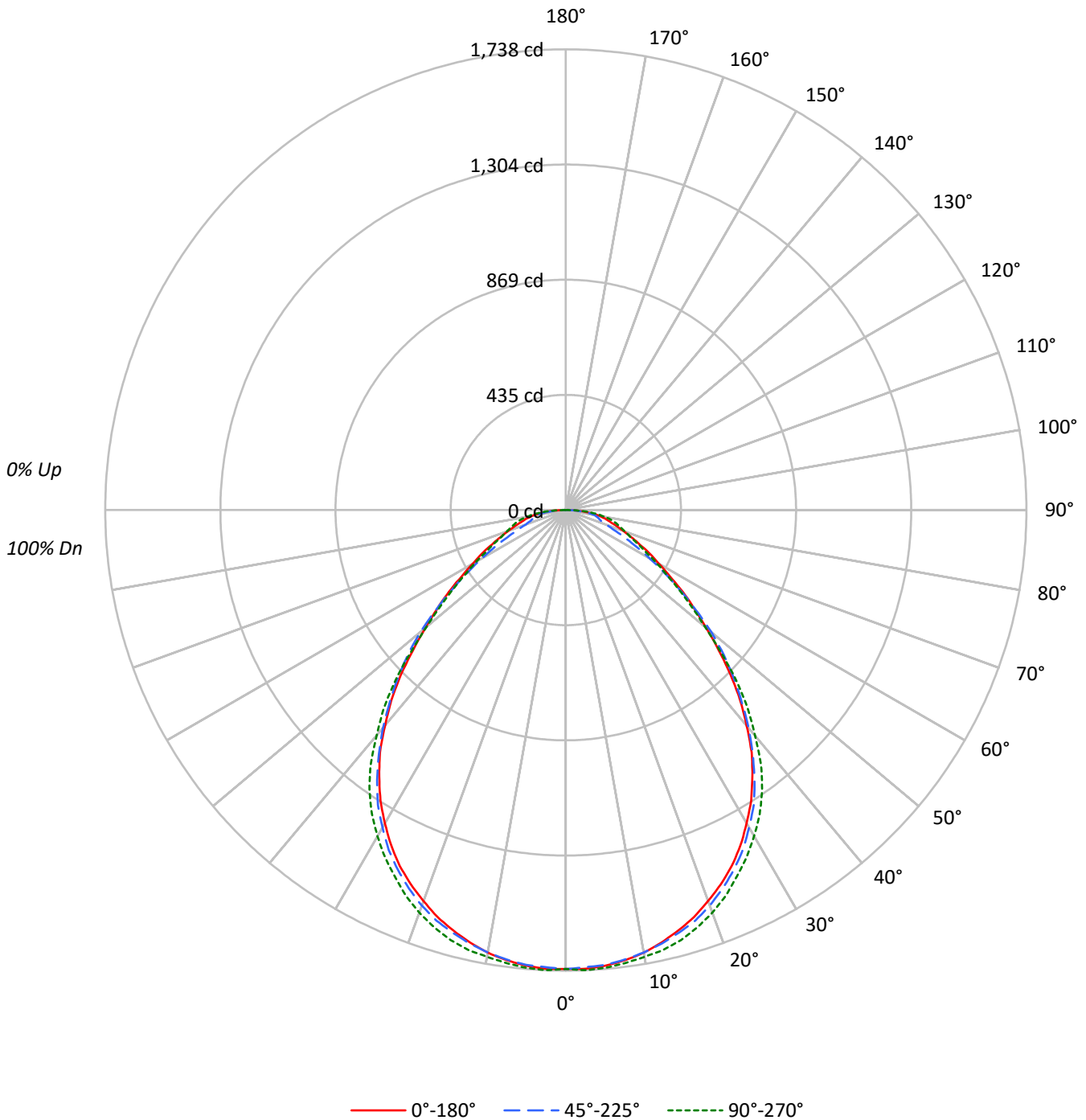
Lumens per Lamp: N/A  
Luminaire Lumens: 3781.0 lumens  
Efficiency: N/A  
Efficacy: 128.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.25  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

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	100			100	
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86			86	
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74			74	
3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64			64	
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56			56	
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51	49			49	
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44			44	
7	69	56	48	42	67	55	48	42	54	47	42	53	46	42	51	46	41	39			39	
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36			36	
9	60	48	40	35	59	47	40	35	46	39	34	45	39	34	44	38	34	32			32	
10	57	44	37	32	55	44	36	32	43	36	31	42	36	31	41	35	31	30			30	

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

	0°	45°	90°
0°	4659	4659	4659
5°	4660	4653	4682
10°	4633	4631	4676
15°	4574	4598	4679
20°	4495	4548	4629
25°	4399	4449	4530
30°	4240	4298	4415
35°	4032	4078	4243
40°	3728	3768	3901
45°	3349	3409	3463
50°	2895	2998	2865
55°	2526	2460	2428
60°	2188	1970	2102
65°	1955	1547	1889
70°	1814	1281	1863
75°	1810	1354	2067
80°	2005	1703	2332
85°	2093	1846	2634

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 3463 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.9	4.3
10°-20°	466.7	12.3
20°-30°	690.2	18.3
30°-40°	778.9	20.6
40°-50°	686.6	18.2
50°-60°	471.0	12.5
60°-70°	277.9	7.4
70°-80°	173.4	4.6
80°-90°	72.3	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°	1320.8	34.9
0°-40°	2099.7	55.5
0°-60°	3257.3	86.1
0°-90°	3781.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3781.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1732	1732	1732	1732	1732	
5°	1725	1722	1723	1729	1733	164
15°	1642	1644	1651	1671	1680	463
25°	1482	1487	1498	1518	1526	680
35°	1227	1238	1242	1272	1292	765
45°	880	884	896	901	910	676
55°	538	525	524	507	518	483
65°	307	270	243	281	297	309
75°	174	157	130	182	199	187
85°	68	63	60	78	85	73
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1731.5	1731.5	1731.5	1731.5	1731.5
2.5°	1732.5	1728.1	1726.3	1733.3	1737.6
5°	1725.3	1721.9	1722.7	1728.9	1733.3
7.5°	1713.2	1710.4	1710.4	1719.4	1723.7
10°	1695.5	1694.7	1694.7	1705.2	1711.4
12.5°	1670.8	1671.8	1675.2	1689.3	1699.9
15°	1641.8	1643.6	1650.6	1670.8	1679.6
17.5°	1610.2	1610.2	1624.1	1640.0	1650.6
20°	1569.7	1572.2	1588.1	1605.8	1616.4
22.5°	1528.3	1532.7	1546.0	1566.1	1575.8
25°	1481.6	1487.0	1498.5	1517.8	1525.7
27.5°	1427.1	1434.1	1446.4	1460.5	1477.2
30°	1364.7	1375.2	1383.2	1402.5	1421.0
32.5°	1301.3	1311.0	1319.8	1340.1	1361.1
35°	1227.3	1237.9	1241.5	1271.5	1291.6
37.5°	1151.8	1156.2	1158.0	1187.8	1209.8
40°	1061.2	1069.9	1072.5	1096.3	1110.5
42.5°	974.1	977.5	982.8	1000.3	1017.2
45°	879.9	884.2	895.8	900.9	909.9
47.5°	781.3	794.6	807.7	791.0	791.8
50°	691.6	702.1	716.2	684.4	684.4
52.5°	611.5	616.9	617.6	591.2	596.6
55°	538.5	525.2	524.4	506.7	517.5
57.5°	465.4	447.9	441.7	436.3	448.7
60°	406.5	374.7	366.0	373.9	390.6
62.5°	358.0	317.7	301.0	321.2	336.2
65°	307.1	270.2	242.9	280.7	296.6
67.5°	267.6	232.2	197.0	250.7	262.2
70°	230.6	203.2	162.8	227.8	236.8
72.5°	200.6	179.5	140.7	205.9	216.5
75°	174.1	156.6	130.2	182.1	198.8
77.5°	153.1	133.8	121.5	157.4	177.7
80°	129.4	109.9	109.9	132.0	150.5
82.5°	102.0	86.3	88.9	107.3	120.5
85°	67.8	63.4	59.8	78.3	85.3
87.5°	34.4	35.2	31.6	40.6	41.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)