

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: P798266

Luminaire Tested: 24GRSCT3-F1-UNV-LOW-4000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798266  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P292954)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 24GRSCT3-F1-UNV-LOW-4000K  
Description: GRLED Selectable  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

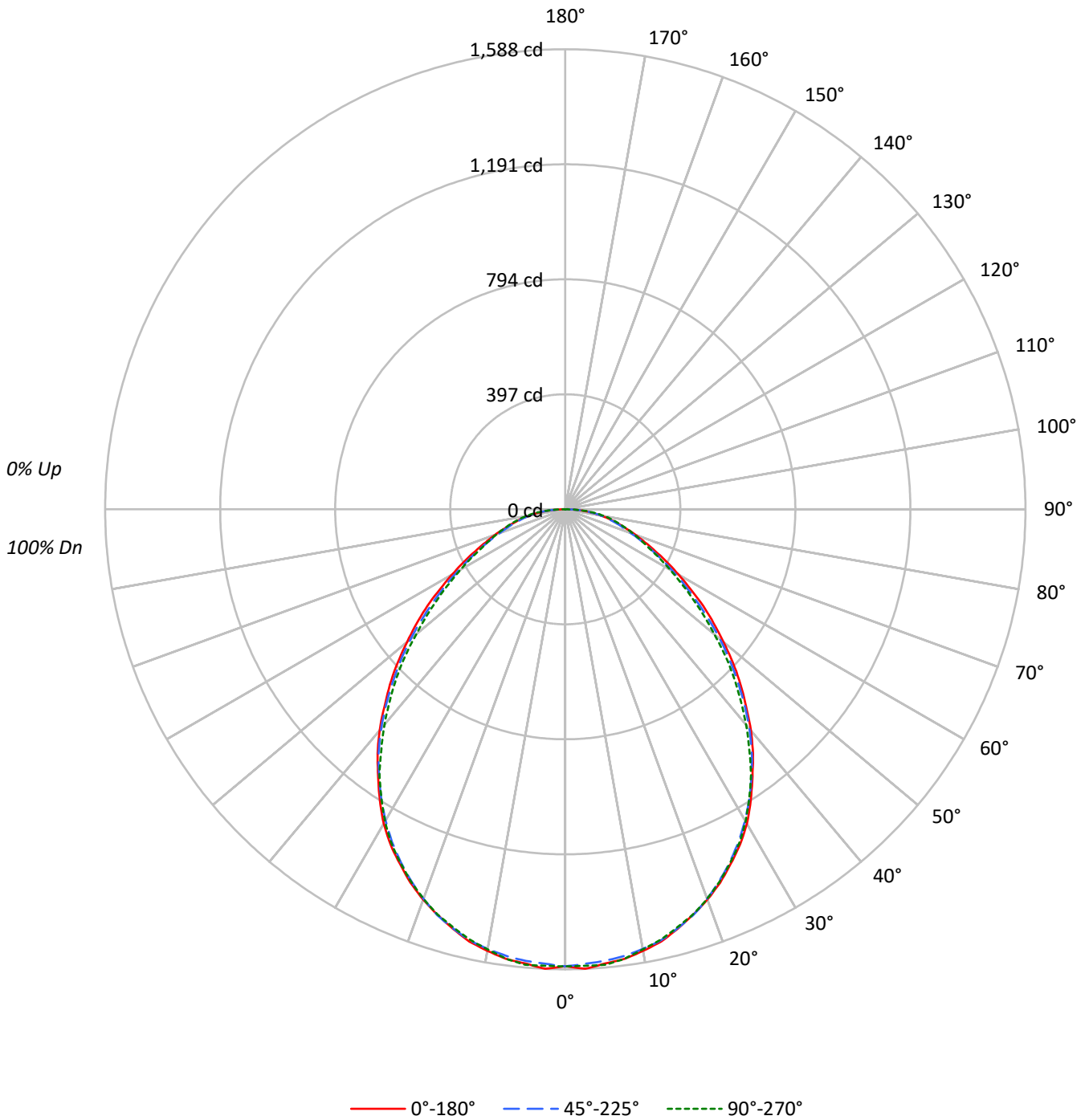
Lumens per Lamp: N/A  
Luminaire Lumens: 3632.2 lumens  
Efficiency: N/A  
Efficacy: 150.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.25  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 24.1  
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	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	72	72	72	72
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62	62	62	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54	54	54	54
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47	47	47	47
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42	42	42	42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37	37	37	37
8	63	50	42	36	62	49	42	36	48	41	36	47	40	36	46	40	36	34	34	34	34
9	59	46	38	33	58	46	38	33	44	38	33	43	37	32	42	37	32	31	31	31	31
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28	28	28	28

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

	0°	45°	90°
0°	2123	2123	2123
5°	2126	2114	2132
10°	2115	2105	2107
15°	2088	2086	2081
20°	2053	2049	2049
25°	2005	1994	1999
30°	1947	1927	1933
35°	1849	1841	1836
40°	1751	1736	1705
45°	1628	1600	1568
50°	1491	1458	1403
55°	1362	1301	1257
60°	1214	1155	1125
65°	1092	1035	1021
70°	1014	952	990
75°	970	927	1004
80°	969	969	1074
85°	1007	1019	1133

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1628 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.0	4.1
10°-20°	421.7	11.6
20°-30°	618.8	17.0
30°-40°	699.6	19.3
40°-50°	646.6	17.8
50°-60°	498.2	13.7
60°-70°	329.9	9.1
70°-80°	196.4	5.4
80°-90°	71.9	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°	1189.5	32.7
0°-40°	1889.1	52.0
0°-60°	3033.9	83.5
0°-90°	3632.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3632.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1578	1578	1578	1578	1578	
5°	1574	1574	1565	1566	1578	150
15°	1499	1496	1498	1497	1494	423
25°	1351	1347	1343	1342	1346	622
35°	1126	1124	1121	1116	1118	705
45°	856	850	841	826	824	659
55°	581	569	554	539	536	518
65°	343	338	325	322	321	344
75°	186	182	178	186	193	199
85°	65	61	66	73	73	69
90°	0	0	0	0	0	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1577.8	1577.8	1577.8	1577.8	1577.8
2.5°	1587.5	1579.2	1570.3	1570.3	1577.0
5°	1574.0	1574.0	1564.9	1565.7	1578.4
7.5°	1565.7	1561.3	1555.2	1555.2	1564.9
10°	1547.8	1544.0	1541.0	1539.5	1542.5
12.5°	1528.3	1522.3	1524.5	1522.3	1521.6
15°	1499.1	1496.1	1497.5	1496.8	1493.8
17.5°	1467.5	1466.1	1469.1	1463.9	1466.1
20°	1433.9	1429.4	1430.9	1427.9	1430.9
22.5°	1395.7	1392.7	1389.0	1385.2	1391.2
25°	1350.7	1347.0	1343.3	1341.7	1346.2
27.5°	1305.7	1299.8	1294.6	1293.0	1299.8
30°	1253.4	1246.6	1240.5	1239.1	1244.3
32.5°	1191.2	1189.6	1182.1	1179.1	1181.5
35°	1126.0	1124.5	1120.7	1115.5	1117.7
37.5°	1063.8	1063.0	1057.8	1048.9	1042.8
40°	997.2	991.9	988.1	975.4	971.0
42.5°	923.7	922.3	915.5	901.2	896.0
45°	855.5	849.5	840.6	825.5	824.1
47.5°	785.1	776.8	768.6	749.9	749.2
50°	712.4	706.4	696.7	678.0	670.5
52.5°	645.0	636.8	623.3	605.3	601.6
55°	580.6	568.7	554.4	539.4	535.7
57.5°	511.6	506.5	489.2	477.2	472.7
60°	451.0	446.5	429.3	418.0	418.0
62.5°	396.3	389.6	374.5	367.1	367.1
65°	343.1	337.9	325.2	322.2	320.6
67.5°	297.4	290.6	281.7	280.9	284.7
70°	257.8	249.5	241.9	249.5	251.7
72.5°	220.2	215.0	208.3	218.0	222.4
75°	186.5	182.1	178.3	186.5	193.2
77.5°	155.8	151.3	151.3	160.4	166.3
80°	125.1	122.1	125.1	132.6	138.6
82.5°	95.8	93.6	97.4	104.9	108.7
85°	65.2	61.4	66.0	72.7	73.4
87.5°	30.8	30.0	33.0	37.4	36.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)