

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1439182

Luminaire Tested: CB3-055U-055D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439182  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-055U-055D-927-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

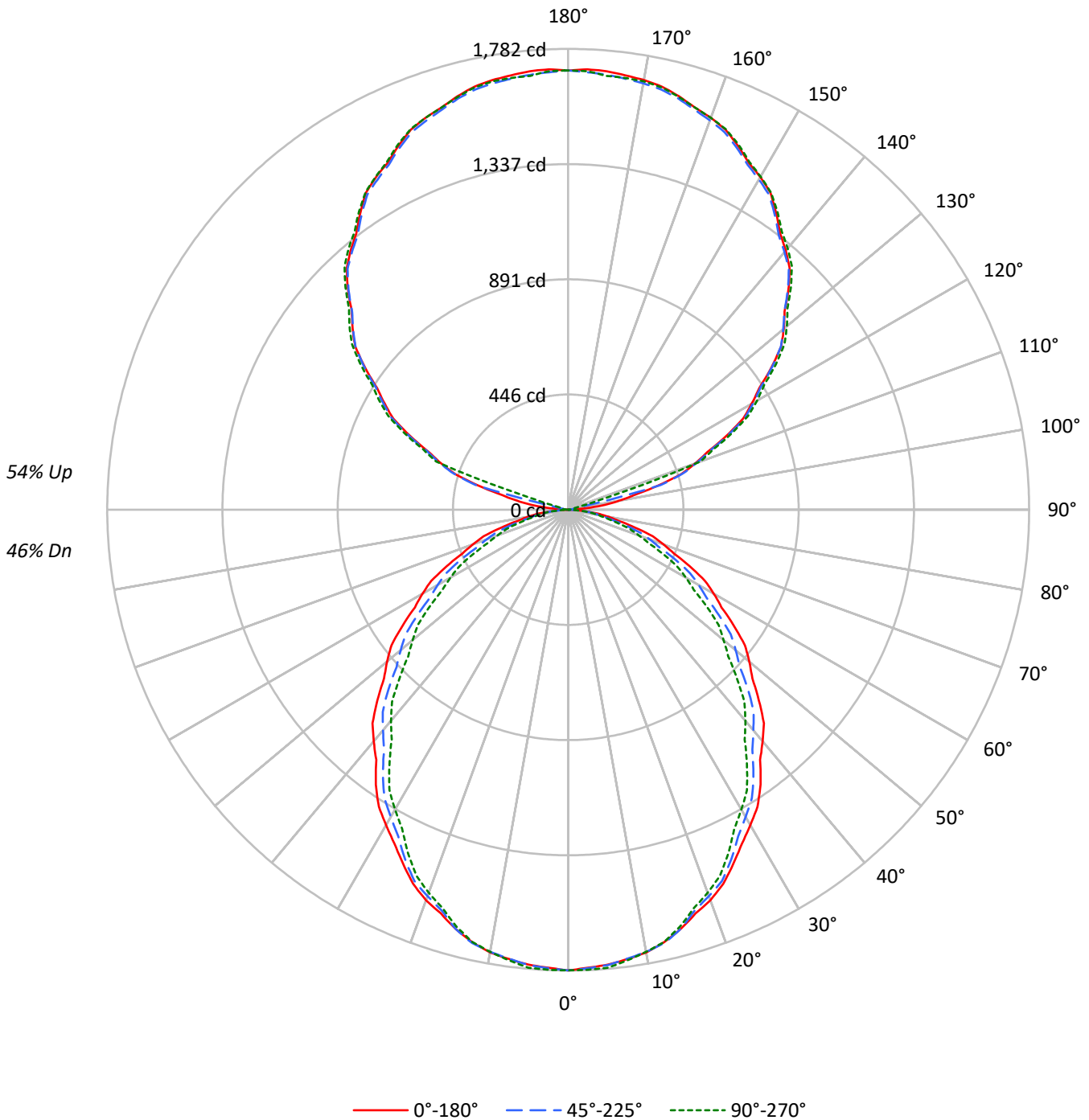
Lumens per Lamp: N/A  
Luminaire Lumens: 9277.6 lumens  
Efficiency: N/A  
Efficacy: 134.1 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 69.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46				
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	47	46	45	39				
2	88	81	75	70	81	75	70	65	63	59	56	52	49	47	41	39	38	33				
3	81	72	64	59	74	66	60	55	55	51	47	46	42	40	37	34	32	28				
4	74	63	56	50	68	59	52	46	49	44	40	41	37	34	33	30	28	24				
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	24	21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19				
7	58	46	38	32	53	42	35	31	36	31	27	30	26	23	25	22	19	17				
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	21	18	16	13				
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	19	16	14	12				

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

	0°	45°	90°
0°	10078	10078	10078
5°	10031	10038	10095
10°	9987	9973	9973
15°	9834	9834	9775
20°	9674	9575	9491
25°	9430	9312	9146
30°	9199	8960	8745
35°	8957	8625	8319
40°	8634	8223	7868
45°	8341	7865	7380
50°	8040	7439	6905
55°	7712	7026	6452
60°	7358	6600	5941
65°	6945	6115	5403
70°	6467	5546	4813
75°	5862	4868	4286
80°	5112	4082	3792
85°	3940	3447	3447

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8341 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.1	1.8
10°-20°	472.2	5.1
20°-30°	686.1	7.4
30°-40°	780.0	8.4
40°-50°	757.3	8.2
50°-60°	639.3	6.9
60°-70°	454.9	4.9
70°-80°	243.0	2.6
80°-90°	64.3	0.7
90°-100°	39.2	0.4
100°-110°	284.1	3.1
110°-120°	675.3	7.3
120°-130°	862.8	9.3
130°-140°	930.6	10.0
140°-150°	877.3	9.5
150°-160°	715.7	7.7
160°-170°	466.3	5.0
170°-180°	161.2	1.7
0°-30°	1326.4	14.3
0°-40°	2106.5	22.7
0°-60°	3503.0	37.8
0°-90°	4265.2	46.0
90°-120°	998.6	10.8
90°-150°	3669.3	39.5
90°-180°	5012.0	54.0
0°-180°	9277.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1782	1782	1782	1782	1782	
5°	1766	1789	1768	1765	1778	168
15°	1679	1694	1679	1669	1669	473
25°	1511	1516	1492	1471	1465	696
35°	1297	1284	1249	1212	1204	808
45°	1043	1026	983	936	922	804
55°	782	761	712	666	654	699
65°	519	500	457	416	404	514
75°	268	253	223	200	196	286
85°	61	56	53	53	53	72
90°	0	0	0	1	0	5
95°	72	13	17	18	18	89
105°	360	365	370	27	28	379
115°	674	680	681	691	695	665
125°	959	965	962	973	979	855
135°	1204	1211	1200	1210	1217	927
145°	1402	1410	1392	1402	1409	877
155°	1552	1565	1544	1548	1558	716
165°	1655	1664	1646	1641	1652	467
175°	1702	1711	1688	1679	1684	162
180°	1698	1698	1698	1698	1698	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1781.5	1781.5	1781.5	1781.5	1781.5
2.5°	1772.4	1790.2	1774.4	1776.5	1780.5
5°	1766.3	1788.6	1767.6	1765.3	1777.7
7.5°	1752.7	1772.9	1751.1	1746.1	1757.2
10°	1738.5	1760.8	1736.0	1729.8	1736.0
12.5°	1713.2	1736.4	1716.7	1706.5	1711.7
15°	1679.0	1693.9	1679.0	1668.9	1668.9
17.5°	1637.3	1652.8	1624.9	1617.7	1615.0
20°	1606.9	1620.5	1590.4	1580.2	1576.5
22.5°	1566.4	1579.0	1554.0	1536.7	1532.0
25°	1510.7	1515.7	1491.8	1471.4	1465.2
27.5°	1454.8	1456.0	1423.2	1398.4	1390.3
30°	1408.2	1409.5	1371.6	1344.8	1338.7
32.5°	1361.7	1358.0	1322.0	1290.2	1286.0
35°	1296.9	1284.5	1248.8	1212.0	1204.5
37.5°	1218.7	1211.3	1169.1	1132.2	1121.0
40°	1169.1	1156.7	1113.4	1076.5	1065.4
42.5°	1119.5	1105.2	1060.8	1019.8	1007.7
45°	1042.6	1026.5	983.1	936.0	922.4
47.5°	965.1	947.6	899.9	854.2	839.1
50°	913.5	895.0	845.2	800.6	784.5
52.5°	860.9	841.3	791.6	746.0	732.8
55°	781.9	760.9	712.3	666.5	654.1
57.5°	703.0	682.2	633.9	590.5	575.7
60°	650.3	630.6	583.3	539.9	525.1
62.5°	596.7	577.9	531.7	489.3	475.5
65°	518.8	500.2	456.8	416.0	403.6
67.5°	441.6	425.7	382.9	345.4	335.5
70°	391.0	376.1	335.3	300.9	291.0
72.5°	342.4	326.5	287.7	258.5	251.5
75°	268.2	253.4	222.7	199.8	196.1
77.5°	200.4	188.3	161.7	148.8	146.8
80°	156.9	145.8	125.3	116.4	116.4
82.5°	116.4	107.2	93.9	90.1	90.1
85°	60.7	55.8	53.1	53.1	53.1
87.5°	18.2	18.2	17.2	16.4	16.2
90°	0.0	0.0	0.0	1.3	0.0
92.5°	19.5	7.4	6.1	7.4	7.2
95°	71.7	12.9	16.6	17.9	17.9
97.5°	144.4	141.6	19.5	23.3	23.6
100°	199.7	205.9	20.5	24.3	25.6
102.5°	261.1	266.4	37.9	25.4	26.6
105°	359.7	364.7	369.9	26.9	28.2
107.5°	457.7	461.4	464.9	418.5	156.7
110°	522.2	526.0	527.3	540.2	542.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	582.6	587.4	589.8	600.6	605.1
115°	674.5	679.5	680.9	691.2	695.0
117.5°	761.8	767.1	769.5	777.8	783.8
120°	819.1	825.4	826.8	837.2	842.2
122.5°	875.5	882.7	882.1	891.5	898.5
125°	958.6	964.9	962.5	972.9	979.1
127.5°	1037.7	1041.5	1036.2	1048.9	1054.1
130°	1087.9	1091.7	1085.4	1097.0	1103.3
132.5°	1134.0	1139.7	1132.5	1143.1	1149.3
135°	1204.4	1210.6	1200.5	1209.7	1217.2
137.5°	1267.1	1274.6	1262.5	1273.1	1279.6
140°	1308.1	1315.6	1300.4	1312.1	1319.6
142.5°	1345.9	1355.5	1337.2	1347.9	1356.4
145°	1401.5	1410.2	1392.5	1401.7	1409.2
147.5°	1454.2	1461.7	1444.7	1451.3	1456.5
150°	1486.0	1493.5	1474.4	1481.0	1487.2
152.5°	1511.6	1522.1	1503.1	1507.7	1516.9
155°	1552.5	1565.0	1543.6	1547.6	1557.6
157.5°	1590.1	1601.4	1579.9	1583.4	1592.2
160°	1612.7	1623.9	1602.4	1603.9	1612.7
162.5°	1630.1	1640.3	1621.9	1619.3	1630.1
165°	1654.9	1663.7	1645.9	1641.1	1652.3
167.5°	1675.6	1685.7	1663.9	1659.8	1672.6
170°	1686.9	1696.9	1674.1	1668.0	1681.8
172.5°	1694.1	1703.1	1681.3	1673.1	1683.8
175°	1702.3	1711.0	1688.2	1679.3	1684.3
177.5°	1704.6	1711.6	1693.3	1685.4	1697.4
180°	1698.4	1698.4	1698.4	1698.4	1698.4



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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.79	15.61	15.78	16.61	17.94	13.71	14.53	14.71	15.53	16.86
	3H	16.45	17.19	17.46	18.20	19.55	15.12	15.85	16.13	16.87	18.22
	4H	17.08	17.77	18.10	18.79	20.15	15.64	16.33	16.65	17.35	18.70
	6H	17.47	18.10	18.49	19.12	20.49	15.95	16.59	16.98	17.61	18.98
	8H	17.60	18.21	18.63	19.24	20.61	16.07	16.68	17.11	17.72	19.08
	12H	17.67	18.24	18.70	19.27	20.66	16.15	16.73	17.19	17.76	19.15
4H	2H	15.19	15.89	16.22	16.90	18.26	14.33	15.03	15.36	16.04	17.40
	3H	17.08	17.66	18.11	18.70	20.07	15.95	16.53	16.98	17.57	18.94
	4H	17.83	18.35	18.86	19.39	20.78	16.55	17.08	17.59	18.12	19.51
	6H	18.33	18.78	19.37	19.84	21.23	16.96	17.42	18.01	18.48	19.87
	8H	18.52	18.94	19.57	19.99	21.40	17.13	17.56	18.18	18.61	20.01
	12H	18.61	18.99	19.68	20.06	21.47	17.24	17.62	18.30	18.69	20.09
8H	4H	17.95	18.37	19.00	19.43	20.83	16.81	17.24	17.86	18.29	19.69
	6H	18.57	18.92	19.64	20.01	21.41	17.34	17.69	18.41	18.78	20.18
	8H	18.84	19.15	19.92	20.23	21.65	17.59	17.90	18.67	18.98	20.40
	12H	19.01	19.28	20.09	20.35	21.81	17.77	18.04	18.85	19.11	20.57
12H	4H	17.92	18.31	18.99	19.37	20.78	16.81	17.19	17.88	18.26	19.67
	6H	18.59	18.89	19.67	19.97	21.39	17.40	17.70	18.48	18.78	20.20
	8H	18.88	19.15	19.97	20.23	21.69	17.68	17.95	18.76	19.02	20.48