

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: P1439538

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

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439538  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-D-055U-055D-927-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

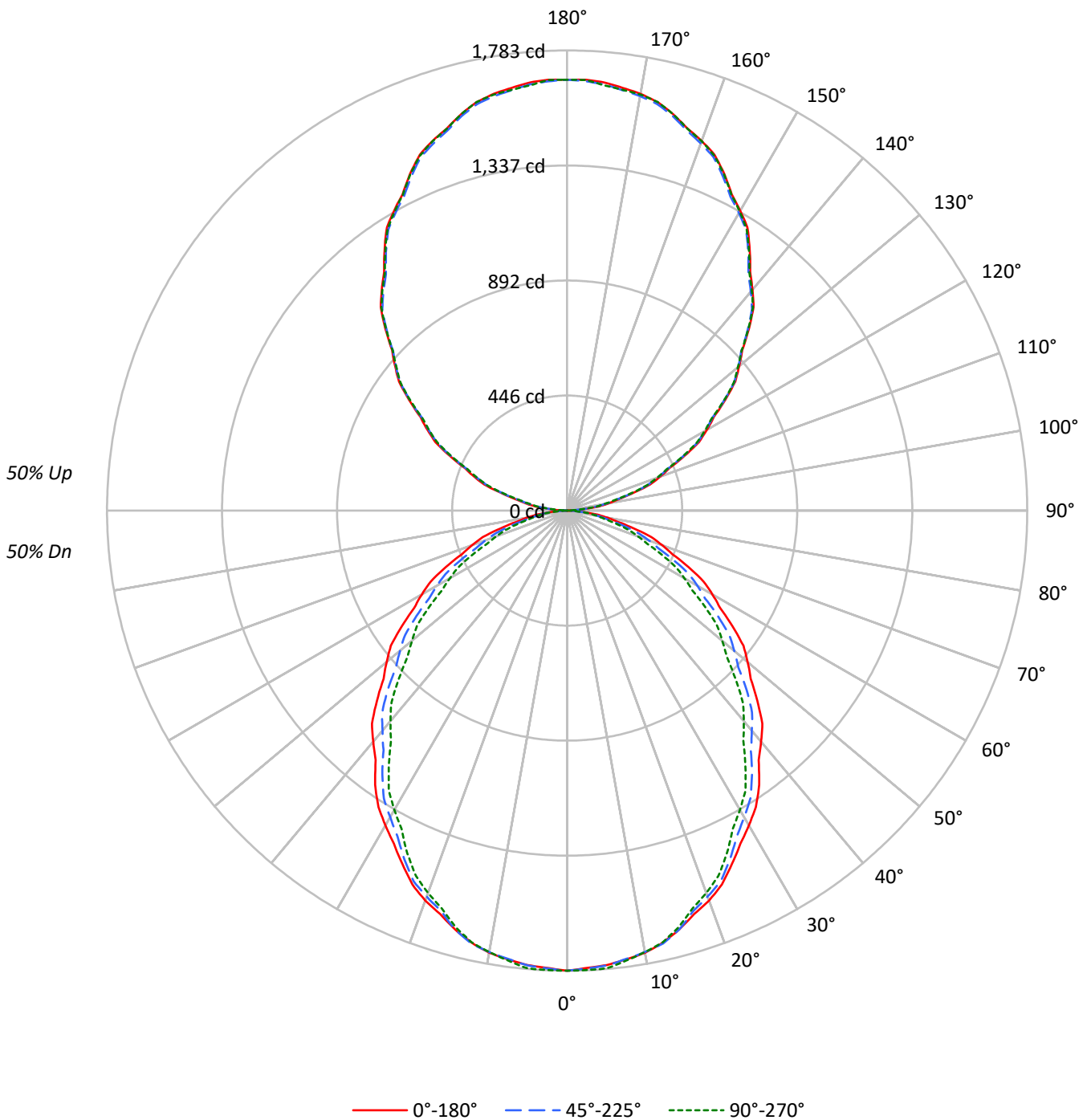
Lumens per Lamp: N/A  
Luminaire Lumens: 8567.8 lumens  
Efficiency: N/A  
Efficacy: 123.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: General Diffuse

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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50				
1	98	94	90	86	90	87	83	80	73	71	69	61	59	58	50	49	48	42				
2	89	82	76	71	82	76	71	66	64	61	57	54	51	49	44	42	40	36				
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35	30				
4	75	64	56	50	69	59	53	47	51	45	41	43	39	36	35	32	30	26				
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	32	29	26	23				
6	63	51	43	37	58	48	41	35	41	35	31	35	30	27	29	26	23	20				
7	59	46	38	33	54	43	36	31	37	32	28	32	27	24	26	23	21	18				
8	54	42	34	29	50	39	32	28	34	28	25	29	25	21	24	21	19	16				
9	51	38	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17	15				
10	47	35	28	23	44	33	27	22	29	23	20	25	20	18	21	18	15	13				

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

	0°	45°	90°
0°	10086	10086	10086
5°	10038	10045	10110
10°	9994	9979	9979
15°	9841	9841	9782
20°	9682	9583	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°	168.2	2.0
10°-20°	472.6	5.5
20°-30°	686.2	8.0
30°-40°	780.0	9.1
40°-50°	757.3	8.8
50°-60°	639.3	7.5
60°-70°	454.9	5.3
70°-80°	243.0	2.8
80°-90°	64.2	0.7
90°-100°	70.5	0.8
100°-110°	276.0	3.2
110°-120°	491.9	5.7
120°-130°	665.6	7.8
130°-140°	765.2	8.9
140°-150°	767.9	9.0
150°-160°	660.4	7.7
160°-170°	447.0	5.2
170°-180°	157.7	1.8
0°-30°	1327.0	15.5
0°-40°	2107.1	24.6
0°-60°	3503.7	40.9
0°-90°	4265.8	49.8
90°-120°	838.4	9.8
90°-150°	3037.0	35.4
90°-180°	4302.0	50.2
0°-180°	8567.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1783	1783	1783	1783	1783	
5°	1768	1790	1769	1767	1780	168
15°	1680	1695	1680	1670	1670	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	0	0	5
95°	68	62	55	51	52	77
105°	268	266	257	253	251	286
115°	502	504	493	492	490	497
125°	748	756	741	738	740	668
135°	996	1006	989	982	992	768
145°	1234	1244	1224	1217	1229	771
155°	1440	1452	1428	1422	1437	662
165°	1590	1603	1582	1573	1590	448
175°	1665	1680	1658	1647	1654	158
180°	1669	1669	1669	1669	1669	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1782.8	1782.8	1782.8	1782.8	1782.8
2.5°	1773.7	1791.5	1775.7	1777.8	1781.8
5°	1767.6	1789.9	1768.9	1766.6	1780.3
7.5°	1753.9	1774.2	1752.4	1747.4	1758.5
10°	1739.8	1762.0	1737.2	1731.0	1737.2
12.5°	1714.5	1737.7	1718.0	1707.7	1712.9
15°	1680.3	1695.1	1680.3	1670.2	1670.2
17.5°	1638.5	1654.1	1626.1	1619.0	1616.0
20°	1608.2	1621.8	1591.7	1581.5	1576.5
22.5°	1567.7	1580.3	1555.3	1536.9	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	16.2	16.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	18.4	16.4	10.2	8.2	8.2
95°	67.8	61.6	55.0	51.2	52.5
97.5°	125.2	119.2	111.1	107.3	108.3
100°	165.1	160.1	151.0	147.2	147.2
102.5°	204.0	201.0	192.0	188.2	189.2
105°	267.5	266.2	257.3	253.4	250.9
107.5°	337.6	335.4	325.3	325.0	322.8
110°	382.7	381.4	372.5	371.1	369.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	428.8	430.5	420.6	419.3	418.0
115°	501.7	504.2	492.8	491.5	490.2
117.5°	576.5	580.0	567.8	566.4	564.2
120°	624.6	632.1	616.9	615.6	614.4
122.5°	673.7	680.2	666.1	663.7	663.5
125°	747.5	756.2	741.1	738.5	739.8
127.5°	821.2	830.2	816.1	811.0	813.8
130°	870.3	880.3	865.2	860.2	863.9
132.5°	920.5	930.5	915.4	910.4	916.2
135°	995.8	1005.8	989.4	981.9	991.9
137.5°	1069.2	1078.0	1060.0	1054.9	1065.4
140°	1117.4	1126.1	1107.1	1101.0	1113.5
142.5°	1164.5	1174.2	1153.2	1147.1	1160.6
145°	1233.8	1243.8	1223.6	1217.4	1228.7
147.5°	1300.4	1310.6	1290.1	1283.0	1294.5
150°	1341.3	1352.6	1331.1	1325.0	1337.5
152.5°	1381.3	1393.5	1371.0	1364.0	1379.5
155°	1439.9	1452.4	1428.4	1422.3	1437.3
157.5°	1492.6	1504.1	1482.4	1476.3	1489.3
160°	1524.4	1536.9	1514.1	1508.1	1523.1
162.5°	1552.0	1564.5	1543.8	1535.7	1550.7
165°	1589.6	1603.4	1582.0	1573.4	1589.6
167.5°	1621.1	1635.9	1613.2	1605.4	1621.6
170°	1639.5	1653.3	1630.6	1620.7	1637.0
172.5°	1651.8	1665.6	1642.9	1632.9	1644.2
175°	1665.1	1680.2	1657.5	1647.4	1653.6
177.5°	1671.0	1683.0	1664.9	1656.0	1670.0
180°	1669.0	1669.0	1669.0	1669.0	1669.0



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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	15.16	16.00	16.12	16.98	18.25	14.08	14.93	15.04	15.90	17.18
	3H	16.82	17.58	17.79	18.57	19.86	15.49	16.25	16.46	17.23	18.53
	4H	17.45	18.17	18.44	19.16	20.46	16.01	16.73	16.99	17.71	19.02
	6H	17.84	18.50	18.83	19.49	20.81	16.32	16.99	17.32	17.98	19.30
	8H	17.97	18.60	18.98	19.61	20.93	16.45	17.08	17.45	18.09	19.40
	12H	18.04	18.64	19.05	19.64	20.98	16.52	17.12	17.53	18.12	19.46
4H	2H	15.56	16.28	16.55	17.27	18.58	14.70	15.42	15.70	16.41	17.72
	3H	17.45	18.05	18.45	19.07	20.39	16.32	16.92	17.32	17.94	19.26
	4H	18.20	18.75	19.21	19.76	21.10	16.93	17.48	17.94	18.48	19.83
	6H	18.70	19.17	19.72	20.21	21.55	17.34	17.81	18.36	18.84	20.18
	8H	18.89	19.33	19.91	20.36	21.71	17.51	17.95	18.53	18.98	20.33
	12H	18.99	19.39	20.03	20.43	21.79	17.61	18.01	18.65	19.05	20.41
8H	4H	18.33	18.77	19.35	19.79	21.15	17.19	17.63	18.21	18.65	20.01
	6H	18.95	19.31	19.99	20.38	21.73	17.72	18.08	18.76	19.15	20.50
	8H	19.22	19.54	20.28	20.59	21.97	17.97	18.29	19.02	19.34	20.71
	12H	19.39	19.67	20.44	20.71	22.13	18.14	18.43	19.20	19.47	20.89
12H	4H	18.30	18.70	19.34	19.74	21.10	17.19	17.59	18.23	18.63	19.99
	6H	18.96	19.28	20.02	20.34	21.71	17.77	18.09	18.83	19.15	20.52
	8H	19.26	19.54	20.32	20.59	22.01	18.05	18.34	19.11	19.38	20.80