

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: P1439536

Luminaire Tested: CB3-D-055U-030D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439536  
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-030D-940-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

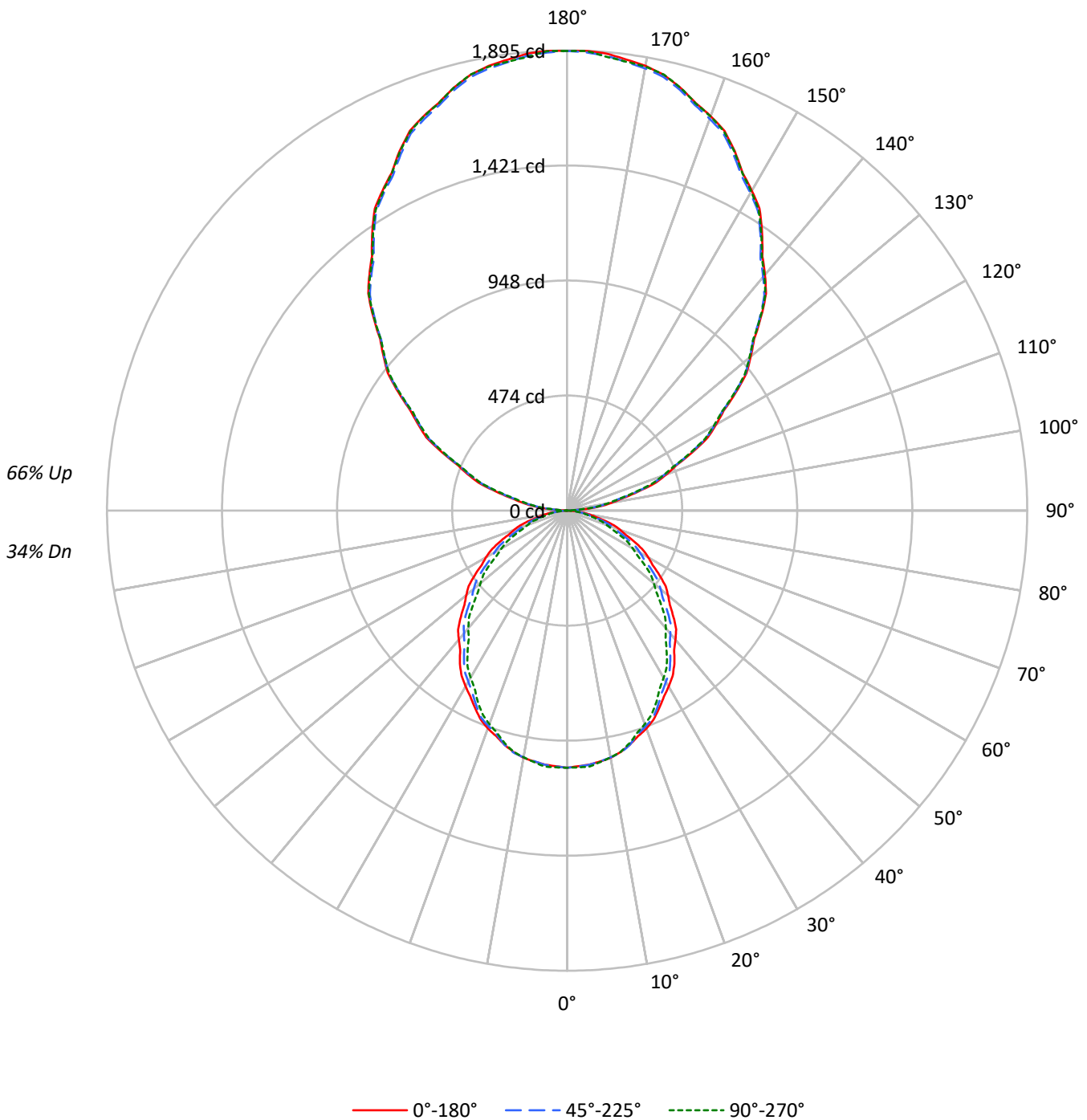
Lumens per Lamp: N/A  
Luminaire Lumens: 7411.2 lumens  
Efficiency: N/A  
Efficacy: 139.3 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 53.2  
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										
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	50	30	10	0														
RCR																																						
0	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42	34																				
1	94	90	86	83	85	82	78	76	65	63	61	51	49	48	37	36	35	29																				
2	86	79	73	68	77	71	66	62	57	54	51	45	42	40	33	31	30	25																				
3	78	69	62	57	71	63	57	52	51	46	43	39	37	34	29	27	26	21																				
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22	18																				
5	66	55	47	41	59	50	43	38	40	35	32	32	28	25	23	21	19	16																				
6	61	49	41	35	55	45	38	33	36	31	27	29	25	22	21	19	17	14																				
7	56	44	36	31	50	40	33	29	33	28	24	26	22	20	19	17	15	12																				
8	52	40	32	27	47	37	30	25	30	25	21	24	20	17	18	15	14	11																				
9	48	36	29	24	44	33	27	23	27	22	19	22	18	16	16	14	12	10																				
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11	9																				

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

	0°	45°	90°
0°	5991	5991	5991
5°	5963	5967	6009
10°	5936	5928	5928
15°	5846	5846	5811
20°	5751	5693	5634
25°	5598	5527	5429
30°	5461	5319	5191
35°	5317	5120	4938
40°	5125	4882	4670
45°	4952	4669	4380
50°	4773	4416	4099
55°	4578	4171	3830
60°	4369	3918	3527
65°	4122	3629	3207
70°	3839	3292	2857
75°	3480	2890	2544
80°	3033	2424	2251
85°	2343	2045	2045

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4952 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.9	1.3
10°-20°	280.7	3.8
20°-30°	407.4	5.5
30°-40°	463.0	6.2
40°-50°	449.5	6.1
50°-60°	379.5	5.1
60°-70°	270.0	3.6
70°-80°	144.3	1.9
80°-90°	38.1	0.5
90°-100°	80.0	1.1
100°-110°	312.9	4.2
110°-120°	557.8	7.5
120°-130°	754.8	10.2
130°-140°	867.8	11.7
140°-150°	870.8	11.7
150°-160°	748.9	10.1
160°-170°	506.9	6.8
170°-180°	178.8	2.4
0°-30°	788.1	10.6
0°-40°	1251.1	16.9
0°-60°	2080.2	28.1
0°-90°	2532.5	34.2
90°-120°	950.7	12.8
90°-150°	3444.1	46.5
90°-180°	4879.0	65.8
0°-180°	7411.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1059	1059	1059	1059	1059	
5°	1050	1063	1051	1049	1058	100
15°	998	1007	998	992	992	281
25°	897	900	886	873	870	413
35°	770	762	741	719	715	480
45°	619	609	584	556	548	477
55°	464	452	423	396	388	415
65°	308	297	271	247	240	305
75°	159	150	132	119	116	170
85°	36	33	32	32	32	43
90°	0	0	0	0	0	4
95°	77	70	62	58	60	88
105°	303	302	292	287	284	324
115°	569	572	559	557	556	564
125°	848	858	840	838	839	758
135°	1129	1141	1122	1114	1125	871
145°	1399	1410	1388	1381	1393	874
155°	1633	1647	1620	1613	1630	751
165°	1803	1818	1794	1784	1803	508
175°	1888	1905	1880	1868	1875	179
180°	1893	1893	1893	1893	1893	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1059.0	1059.0	1059.0	1059.0	1059.0
2.5°	1053.6	1064.1	1054.8	1056.0	1058.4
5°	1050.0	1063.2	1050.7	1049.4	1058.2
7.5°	1041.9	1053.9	1041.0	1038.0	1044.6
10°	1033.4	1046.7	1031.9	1028.3	1031.9
12.5°	1018.4	1032.2	1020.5	1014.4	1017.5
15°	998.1	1007.0	998.1	992.1	992.1
17.5°	973.4	982.6	966.0	961.7	959.8
20°	955.3	963.4	945.6	939.5	935.9
22.5°	931.3	938.8	923.9	912.5	909.4
25°	896.8	899.7	885.5	873.4	869.8
27.5°	863.6	864.3	844.8	830.1	825.3
30°	836.0	836.7	814.2	798.3	794.6
32.5°	808.3	806.1	784.7	765.9	763.4
35°	769.9	762.5	741.3	719.4	715.0
37.5°	723.4	719.0	694.0	672.1	665.5
40°	694.0	686.7	661.0	639.0	632.4
42.5°	664.6	656.0	629.7	605.4	598.2
45°	618.9	609.3	583.6	555.6	547.5
47.5°	572.9	562.5	534.2	507.1	498.1
50°	542.3	531.3	501.7	475.2	465.7
52.5°	511.0	499.4	469.9	442.8	435.0
55°	464.2	451.7	422.9	395.7	388.3
57.5°	417.3	405.0	376.3	350.6	341.7
60°	386.1	374.3	346.3	320.5	311.7
62.5°	354.2	343.0	315.6	290.5	282.3
65°	307.9	296.9	271.1	246.9	239.6
67.5°	262.1	252.7	227.3	205.1	199.2
70°	232.1	223.3	199.0	178.6	172.7
72.5°	203.2	193.8	170.8	153.4	149.3
75°	159.2	150.4	132.2	118.6	116.4
77.5°	119.0	111.8	96.0	88.3	87.1
80°	93.1	86.5	74.4	69.1	69.1
82.5°	69.1	63.7	55.7	53.5	53.5
85°	36.1	33.1	31.5	31.5	31.5
87.5°	10.8	10.8	10.2	9.6	9.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	20.9	18.6	11.6	9.3	9.3
95°	76.9	69.8	62.4	58.1	59.5
97.5°	142.0	135.1	126.0	121.7	122.8
100°	187.2	181.6	171.3	166.9	166.9
102.5°	231.4	228.0	217.7	213.4	214.5
105°	303.3	301.9	291.7	287.3	284.5
107.5°	382.9	380.3	369.0	368.6	366.1
110°	434.0	432.6	422.4	420.9	419.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	486.2	488.2	476.9	475.5	474.0
115°	569.0	571.8	558.8	557.3	555.9
117.5°	653.7	657.7	643.9	642.3	639.8
120°	708.3	716.8	699.6	698.1	696.7
122.5°	764.0	771.4	755.3	752.7	752.4
125°	847.6	857.6	840.4	837.5	838.9
127.5°	931.2	941.5	925.4	919.7	922.8
130°	987.0	998.3	981.2	975.5	979.7
132.5°	1043.9	1055.2	1038.1	1032.4	1038.9
135°	1129.2	1140.6	1122.0	1113.5	1124.9
137.5°	1212.5	1222.5	1202.1	1196.3	1208.2
140°	1267.1	1277.0	1255.5	1248.6	1262.7
142.5°	1320.5	1331.6	1307.7	1300.8	1316.2
145°	1399.2	1410.5	1387.6	1380.6	1393.4
147.5°	1474.7	1486.3	1463.0	1454.9	1468.0
150°	1521.1	1533.9	1509.5	1502.6	1516.7
152.5°	1566.4	1580.3	1554.8	1546.8	1564.4
155°	1632.9	1647.1	1619.8	1612.9	1630.0
157.5°	1692.7	1705.7	1681.1	1674.1	1688.9
160°	1728.7	1742.9	1717.0	1710.2	1727.2
162.5°	1760.0	1774.2	1750.7	1741.5	1758.6
165°	1802.7	1818.3	1794.0	1784.2	1802.7
167.5°	1838.4	1855.1	1829.4	1820.5	1839.0
170°	1859.3	1874.9	1849.1	1837.9	1856.4
172.5°	1873.2	1888.8	1863.1	1851.7	1864.5
175°	1888.3	1905.3	1879.6	1868.2	1875.3
177.5°	1895.0	1908.6	1888.0	1877.9	1893.8
180°	1892.7	1892.7	1892.7	1892.7	1892.7



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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	11.69	12.41	12.77	13.50	14.98	10.61	11.34	11.69	12.42	13.90
	3H	13.34	13.99	14.44	15.09	16.58	12.01	12.66	13.10	13.75	15.25
	4H	13.97	14.59	15.07	15.68	17.18	12.52	13.14	13.63	14.23	15.74
	6H	14.35	14.91	15.46	16.01	17.53	12.83	13.40	13.95	14.50	16.01
	8H	14.48	15.02	15.59	16.13	17.64	12.95	13.49	14.07	14.60	16.12
	12H	14.54	15.06	15.66	16.16	17.69	13.02	13.54	14.14	14.64	16.18
4H	2H	12.08	12.70	13.19	13.79	15.29	11.22	11.84	12.33	12.93	14.43
	3H	13.96	14.47	15.07	15.59	17.11	12.83	13.34	13.94	14.46	15.98
	4H	14.70	15.17	15.82	16.28	17.82	13.43	13.90	14.55	15.01	16.55
	6H	15.19	15.60	16.32	16.73	18.26	13.83	14.24	14.96	15.37	16.90
	8H	15.38	15.76	16.51	16.88	18.43	14.00	14.38	15.13	15.50	17.05
	12H	15.47	15.82	16.62	16.95	18.50	14.10	14.44	15.24	15.58	17.13
8H	4H	14.82	15.20	15.94	16.32	17.86	13.68	14.06	14.81	15.18	16.73
	6H	15.43	15.74	16.58	16.91	18.45	14.20	14.51	15.35	15.68	17.22
	8H	15.71	15.98	16.86	17.12	18.69	14.45	14.73	15.61	15.87	17.43
	12H	15.86	16.10	17.02	17.25	18.84	14.62	14.86	15.78	16.00	17.60
12H	4H	14.78	15.13	15.93	16.26	17.81	13.67	14.02	14.82	15.15	16.70
	6H	15.45	15.72	16.60	16.86	18.43	14.26	14.53	15.41	15.68	17.24
	8H	15.74	15.98	16.90	17.12	18.72	14.53	14.77	15.69	15.92	17.51