

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: P1439554

Luminaire Tested: CB3-D-055U-120D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439554  
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-120D-927-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

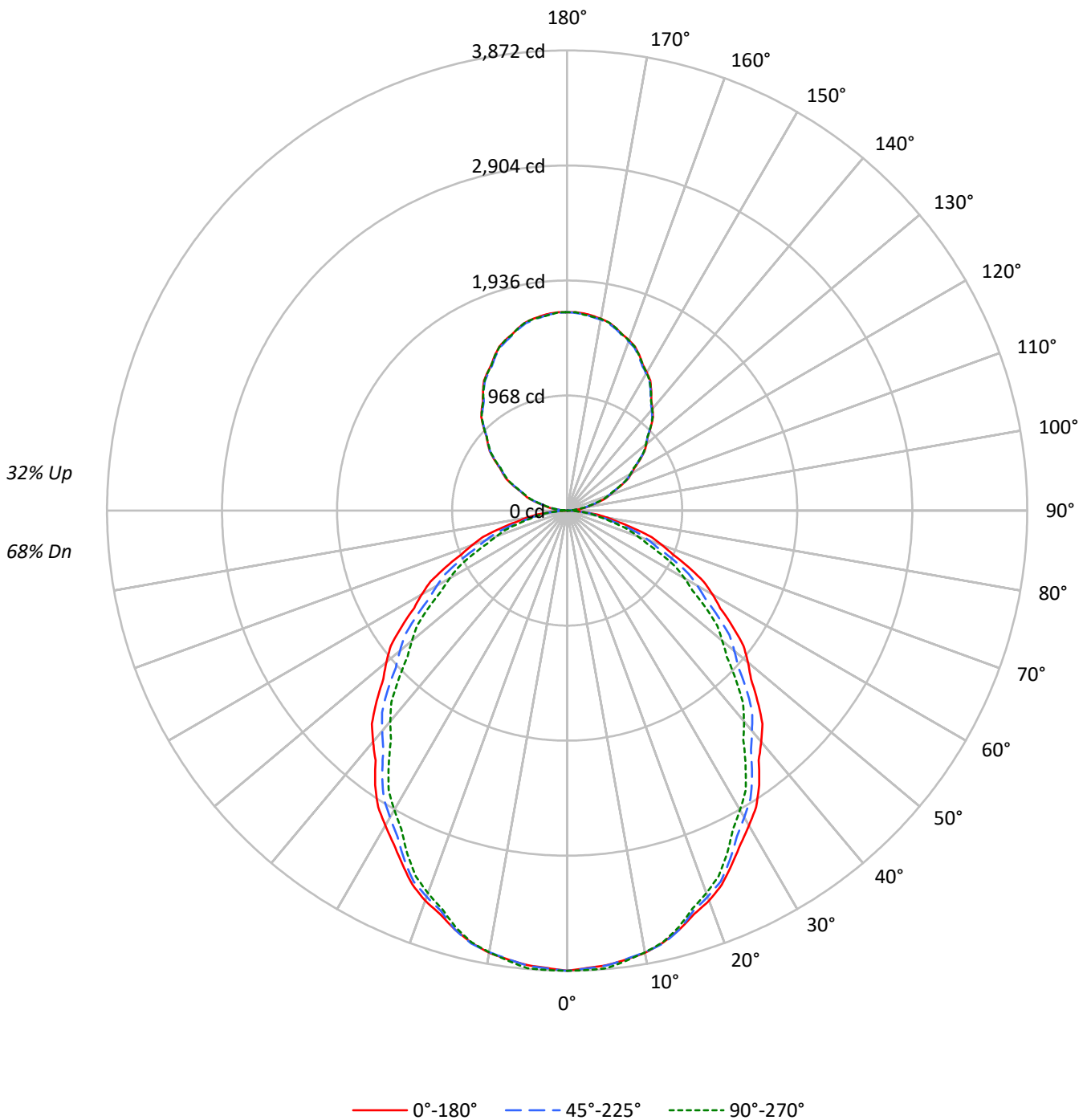
Lumens per Lamp: N/A  
Luminaire Lumens: 13570.3 lumens  
Efficiency: N/A  
Efficacy: 119.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 113.3  
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										
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	111	111	111	111	105	105	105	105	93	93	93	83	83	83	73	73	73	68																				
1	102	98	94	90	96	92	89	86	82	80	77	73	71	70	65	63	62	58																				
2	93	86	79	74	88	81	76	71	73	68	65	65	61	59	57	55	53	49																				
3	85	76	68	62	80	72	65	60	64	59	55	57	53	50	51	48	45	42																				
4	78	67	59	53	73	64	56	51	57	51	47	51	47	43	46	42	39	36																				
5	72	60	52	46	68	57	50	44	51	45	41	46	41	37	41	37	34	31																				
6	66	54	46	40	63	51	44	38	47	40	36	42	37	33	38	34	30	28																				
7	62	49	41	35	58	47	39	34	42	36	32	38	33	29	34	30	27	25																				
8	57	45	37	31	54	43	35	30	39	33	28	35	30	26	32	27	24	22																				
9	53	41	33	28	50	39	32	27	36	30	25	32	27	24	29	25	22	20																				
10	50	38	30	25	47	36	29	25	33	27	23	30	25	22	27	23	20	18																				

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

	0°	45°	90°
0°	21907	21907	21907
5°	21803	21818	21951
10°	21708	21676	21676
15°	21375	21375	21246
20°	21029	20813	20623
25°	20490	20233	19873
30°	19989	19468	19001
35°	19462	18740	18076
40°	18760	17867	17096
45°	18125	17091	16035
50°	17470	16163	15002
55°	16759	15266	14020
60°	15989	14340	12910
65°	15089	13286	11740
70°	14051	12052	10459
75°	12739	10577	9314
80°	11106	8868	8239
85°	8568	7497	7497

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 18125 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	365.4	2.7
10°-20°	1026.4	7.6
20°-30°	1490.9	11.0
30°-40°	1694.9	12.5
40°-50°	1645.4	12.1
50°-60°	1389.2	10.2
60°-70°	988.4	7.3
70°-80°	528.1	3.9
80°-90°	139.5	1.0
90°-100°	70.5	0.5
100°-110°	276.0	2.0
110°-120°	491.9	3.6
120°-130°	665.6	4.9
130°-140°	765.2	5.6
140°-150°	767.9	5.7
150°-160°	660.4	4.9
160°-170°	447.0	3.3
170°-180°	157.7	1.2
0°-30°	2882.7	21.2
0°-40°	4577.7	33.7
0°-60°	7612.3	56.1
0°-90°	9268.3	68.3
90°-120°	838.4	6.2
90°-150°	3037.0	22.4
90°-180°	4302.0	31.7
0°-180°	13570.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3872	3872	3872	3872	3872	
5°	3839	3888	3842	3837	3865	364
15°	3650	3682	3650	3628	3628	1028
25°	3283	3293	3241	3197	3184	1513
35°	2818	2791	2714	2633	2617	1756
45°	2265	2230	2136	2034	2004	1747
55°	1699	1653	1548	1448	1421	1519
65°	1127	1087	992	904	877	1116
75°	583	551	484	434	426	621
85°	132	121	116	116	116	156
90°	0	0	0	0	0	8
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°	3872.3	3872.3	3872.3	3872.3	3872.3
2.5°	3852.5	3891.2	3856.9	3861.5	3870.1
5°	3839.3	3887.7	3842.0	3837.2	3865.3
7.5°	3809.6	3853.7	3806.3	3795.3	3819.5
10°	3778.8	3827.2	3773.3	3759.8	3773.3
12.5°	3723.8	3774.3	3731.5	3709.2	3720.5
15°	3649.6	3681.8	3649.6	3627.6	3627.6
17.5°	3558.8	3592.7	3531.9	3516.4	3510.2
20°	3492.9	3522.4	3457.1	3434.9	3425.6
22.5°	3404.9	3432.3	3377.9	3339.3	3328.8
25°	3282.6	3293.4	3241.4	3197.1	3183.7
27.5°	3161.1	3163.8	3092.4	3038.6	3020.9
30°	3059.9	3062.6	2980.2	2922.2	2908.7
32.5°	2958.8	2950.7	2872.4	2803.5	2794.4
35°	2818.0	2791.1	2713.5	2633.4	2617.3
37.5°	2648.1	2632.0	2540.3	2460.1	2435.9
40°	2540.3	2513.5	2419.4	2339.1	2314.9
42.5°	2432.6	2401.4	2305.0	2215.9	2189.5
45°	2265.4	2230.5	2136.2	2033.8	2004.2
47.5°	2097.1	2059.0	1955.3	1856.1	1823.3
50°	1985.0	1944.7	1836.5	1739.5	1704.6
52.5°	1870.6	1828.1	1719.9	1620.9	1592.4
55°	1699.1	1653.4	1547.8	1448.3	1421.4
57.5°	1527.5	1482.3	1377.4	1283.2	1250.9
60°	1413.1	1370.1	1267.4	1173.2	1141.0
62.5°	1296.6	1255.7	1155.2	1063.3	1033.2
65°	1127.2	1086.9	992.5	903.9	877.0
67.5°	959.5	925.1	831.9	750.6	729.1
70°	849.5	817.3	728.6	653.8	632.3
72.5°	744.0	709.5	625.2	561.6	546.6
75°	582.8	550.6	483.9	434.2	426.1
77.5°	435.5	409.1	351.4	323.2	318.9
80°	340.9	316.7	272.2	252.9	252.9
82.5°	252.9	233.0	204.0	195.7	195.7
85°	132.0	121.2	115.5	115.5	115.5
87.5°	39.6	39.6	37.4	35.2	35.2
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	19.42	20.45	20.20	21.26	22.24	18.34	19.38	19.12	20.18	21.17
	3H	21.10	22.03	21.89	22.84	23.86	19.76	20.70	20.56	21.51	22.52
	4H	21.73	22.61	22.55	23.44	24.46	20.29	21.17	21.11	21.99	23.02
	6H	22.13	22.94	22.96	23.77	24.81	20.62	21.43	21.44	22.26	23.30
	8H	22.27	23.04	23.11	23.89	24.93	20.74	21.52	21.58	22.37	23.41
	12H	22.34	23.08	23.19	23.92	24.99	20.83	21.56	21.67	22.40	23.47
4H	2H	19.85	20.72	20.67	21.55	22.57	18.99	19.86	19.81	20.69	21.71
	3H	21.75	22.48	22.58	23.34	24.38	20.62	21.35	21.45	22.21	23.25
	4H	22.51	23.17	23.35	24.03	25.10	21.24	21.90	22.08	22.76	23.82
	6H	23.02	23.59	23.88	24.47	25.55	21.66	22.23	22.52	23.11	24.18
	8H	23.21	23.75	24.08	24.63	25.71	21.83	22.37	22.70	23.24	24.33
	12H	23.32	23.80	24.20	24.70	25.79	21.95	22.43	22.83	23.32	24.41
8H	4H	22.65	23.19	23.51	24.06	25.15	21.51	22.05	22.37	22.92	24.01
	6H	23.28	23.72	24.17	24.64	25.72	22.05	22.49	22.94	23.41	24.49
	8H	23.55	23.95	24.46	24.86	25.96	22.30	22.69	23.20	23.60	24.71
	12H	23.73	24.07	24.63	24.97	26.13	22.48	22.83	23.39	23.73	24.89
12H	4H	22.63	23.11	23.52	24.01	25.10	21.52	22.00	22.41	22.90	23.99
	6H	23.29	23.69	24.20	24.60	25.70	22.10	22.50	23.01	23.41	24.51
	8H	23.60	23.95	24.51	24.85	26.01	22.39	22.74	23.30	23.64	24.80