

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: P1438899

Luminaire Tested: CB2-B-055U-085D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438899  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-1, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-B-055U-085D-930-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

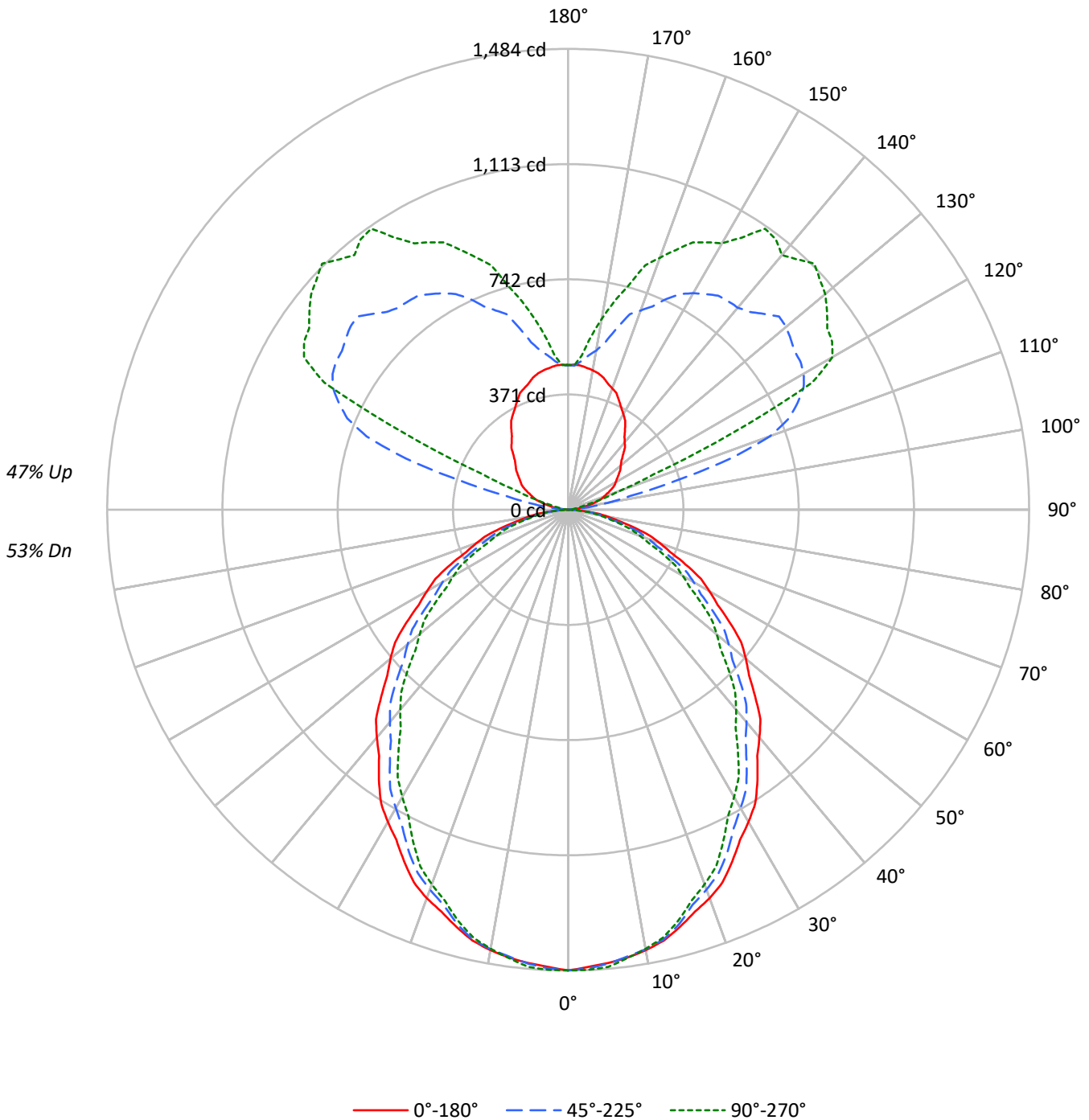
Lumens per Lamp: N/A  
Luminaire Lumens: 6520.8 lumens  
Efficiency: N/A  
Efficacy: 145.2 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 44.9  
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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53																				
1	99	94	91	87	91	88	84	81	75	72	70	63	61	60	52	51	50	45																				
2	90	83	77	71	83	77	72	67	66	62	58	56	53	50	46	44	43	38																				
3	82	73	66	60	76	68	61	56	58	53	49	49	46	43	41	39	36	32																				
4	75	65	57	51	70	60	53	48	52	47	42	44	40	37	37	34	32	28																				
5	69	58	50	44	64	54	47	41	47	41	37	40	35	32	33	30	28	24																				
6	64	52	44	38	59	48	41	36	42	36	32	36	32	28	30	27	24	22																				
7	59	47	39	33	55	44	37	32	38	32	28	33	28	25	28	24	22	19																				
8	55	43	35	30	51	40	33	28	35	29	25	30	26	22	26	22	20	17																				
9	51	39	32	26	47	37	30	25	32	27	23	28	23	20	24	20	18	16																				
10	48	36	29	24	44	34	27	23	30	24	21	26	21	18	22	19	16	14																				

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

	0°	45°	90°
0°	25842	25842	25842
5°	25623	25663	25841
10°	25477	25417	25395
15°	25073	24909	24705
20°	24678	24131	23794
25°	24015	23338	22683
30°	23350	22322	21477
35°	22585	21280	20265
40°	21775	20302	19115
45°	20959	19279	17994
50°	20225	18285	16900
55°	19319	17248	15869
60°	18281	16264	14840
65°	17182	15170	13810
70°	15965	13943	12497
75°	14522	12611	11312
80°	12989	11053	10251
85°	9992	9073	7494

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 20959 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.5	2.1
10°-20°	388.9	6.0
20°-30°	559.2	8.6
30°-40°	628.5	9.6
40°-50°	607.2	9.3
50°-60°	513.0	7.9
60°-70°	368.5	5.7
70°-80°	201.4	3.1
80°-90°	53.5	0.8
90°-100°	34.9	0.5
100°-110°	216.2	3.3
110°-120°	545.1	8.4
120°-130°	655.3	10.0
130°-140°	594.1	9.1
140°-150°	473.8	7.3
150°-160°	323.2	5.0
160°-170°	170.9	2.6
170°-180°	47.6	0.7
0°-30°	1087.6	16.7
0°-40°	1716.2	26.3
0°-60°	2836.4	43.5
0°-90°	3459.7	53.1
90°-120°	796.2	12.2
90°-150°	2519.4	38.6
90°-180°	3061.0	46.9
0°-180°	6520.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1484	1484	1484	1484	1484	
5°	1466	1486	1468	1468	1478	139
15°	1390	1403	1381	1368	1370	392
25°	1250	1251	1214	1187	1180	575
35°	1062	1050	1001	962	953	664
45°	851	833	783	742	730	657
55°	636	613	568	533	523	569
65°	417	401	368	342	335	413
75°	216	202	187	173	168	231
85°	50	47	45	40	38	59
90°	0	0	0	0	0	3
95°	18	46	14	10	10	23
105°	88	247	357	90	60	93
115°	153	337	815	759	578	150
125°	199	409	890	1012	1018	178
135°	249	453	892	1044	1120	194
145°	319	476	841	1014	1104	200
155°	388	486	749	903	950	178
165°	440	481	604	712	745	123
175°	466	472	480	488	498	44
180°	466	466	466	466	466	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1483.7	1483.7	1483.7	1483.7	1483.7
2.5°	1473.7	1491.4	1478.2	1480.1	1482.8
5°	1465.5	1485.5	1467.8	1468.0	1478.0
7.5°	1455.0	1473.9	1451.6	1447.5	1456.8
10°	1440.5	1459.4	1437.1	1429.3	1435.9
12.5°	1421.4	1439.4	1418.0	1405.6	1411.4
15°	1390.5	1402.7	1381.4	1367.8	1370.1
17.5°	1356.9	1364.4	1333.7	1322.3	1320.1
20°	1331.4	1338.1	1301.9	1285.9	1283.7
22.5°	1298.7	1304.5	1266.4	1246.8	1243.7
25°	1249.6	1250.7	1214.4	1187.0	1180.3
27.5°	1198.3	1194.7	1154.4	1122.0	1113.3
30°	1161.0	1156.6	1109.9	1075.6	1067.9
32.5°	1121.0	1113.0	1066.3	1029.3	1021.5
35°	1062.2	1050.0	1000.8	962.0	953.1
37.5°	999.5	985.7	937.5	895.2	885.2
40°	957.7	942.1	892.9	850.7	840.7
42.5°	915.9	898.5	848.4	806.1	795.2
45°	850.9	833.1	782.7	741.6	730.5
47.5°	789.1	766.4	717.5	676.6	665.5
50°	746.4	721.9	674.8	634.8	623.7
52.5°	702.8	677.4	632.1	593.9	582.8
55°	636.2	612.9	568.0	532.6	522.6
57.5°	570.3	547.9	506.9	473.0	463.3
60°	524.8	506.0	466.9	434.9	426.0
62.5°	481.2	464.1	426.9	397.6	388.8
65°	416.9	401.4	368.1	341.8	335.1
67.5°	354.4	338.9	312.0	288.4	280.8
70°	313.5	298.0	273.8	252.0	245.4
72.5°	274.5	258.0	238.3	218.5	213.6
75°	215.8	202.5	187.4	172.6	168.1
77.5°	164.0	151.2	140.2	129.7	128.6
80°	129.5	118.4	110.2	103.4	102.2
82.5°	96.8	88.3	82.9	77.9	77.7
85°	50.0	46.7	45.4	39.7	37.5
87.5°	14.5	14.5	12.7	10.9	10.9
90°	0.0	0.0	0.0	0.0	0.0
92.5°	4.8	8.0	3.2	3.2	3.2
95°	18.1	45.6	14.1	10.0	10.0
97.5°	37.8	109.2	75.9	20.4	17.7
100°	52.2	158.2	130.5	30.0	24.1
102.5°	66.7	201.0	206.0	47.6	36.9
105°	88.4	247.4	357.4	89.7	60.2
107.5°	109.6	277.7	547.8	185.1	111.6
110°	122.5	295.3	690.8	288.5	172.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	135.3	312.8	769.5	462.5	298.0
115°	152.6	337.2	815.3	758.9	578.3
117.5°	167.1	359.5	854.6	938.6	885.5
120°	176.7	377.0	875.5	964.3	981.9
122.5°	186.3	389.8	886.7	974.3	1007.6
125°	198.8	408.9	889.6	1012.2	1018.1
127.5°	211.2	423.3	902.8	1047.1	1049.8
130°	220.9	432.9	915.7	1058.7	1080.3
132.5°	232.1	441.0	920.5	1065.4	1098.0
135°	249.0	453.2	891.6	1043.9	1120.5
137.5°	270.3	461.9	863.9	1043.3	1092.8
140°	283.1	463.8	849.4	1066.4	1070.3
142.5°	297.6	468.8	846.2	1063.8	1097.6
145°	319.3	476.4	841.4	1014.1	1104.4
147.5°	341.0	481.2	822.9	959.2	1038.2
150°	355.4	483.0	805.2	940.9	990.0
152.5°	369.9	484.9	782.7	929.5	970.7
155°	387.6	485.7	749.0	902.7	949.8
157.5°	406.0	483.4	708.4	853.8	905.2
160°	415.7	480.5	682.7	818.3	863.5
162.5°	425.3	479.1	660.2	771.9	824.9
165°	439.8	481.0	604.4	711.6	745.0
167.5°	449.4	479.2	552.2	640.0	687.2
170°	455.8	479.4	520.1	585.2	624.5
172.5°	460.6	471.6	500.8	535.1	561.8
175°	465.9	471.8	479.9	488.2	498.0
177.5°	467.5	470.6	464.3	462.7	465.9
180°	465.9	465.9	465.9	465.9	465.9



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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	18.58	19.46	19.51	20.40	21.63	17.48	18.36	18.41	19.30	20.53
	3H	20.22	21.01	21.17	21.97	23.22	19.01	19.79	19.95	20.75	22.00
	4H	20.85	21.60	21.81	22.56	23.82	19.58	20.32	20.54	21.29	22.55
	6H	21.26	21.94	22.23	22.91	24.18	19.95	20.64	20.92	21.61	22.88
	8H	21.41	22.06	22.38	23.04	24.31	20.09	20.75	21.07	21.73	23.00
	12H	21.48	22.10	22.46	23.08	24.37	20.16	20.78	21.14	21.76	23.05
4H	2H	18.99	19.73	19.95	20.70	21.96	18.11	18.86	19.08	19.82	21.08
	3H	20.86	21.48	21.83	22.47	23.75	19.85	20.47	20.83	21.46	22.74
	4H	21.61	22.17	22.59	23.16	24.46	20.53	21.09	21.51	22.08	23.38
	6H	22.13	22.61	23.12	23.62	24.92	21.00	21.49	22.00	22.50	23.79
	8H	22.33	22.79	23.33	23.79	25.10	21.19	21.65	22.19	22.65	23.96
	12H	22.44	22.85	23.46	23.87	25.19	21.28	21.69	22.30	22.71	24.03
8H	4H	21.76	22.22	22.76	23.22	24.53	20.80	21.26	21.80	22.26	23.57
	6H	22.41	22.78	23.43	23.83	25.14	21.41	21.78	22.43	22.83	24.14
	8H	22.70	23.03	23.73	24.06	25.39	21.68	22.01	22.71	23.04	24.37
	12H	22.87	23.16	23.91	24.19	25.56	21.83	22.12	22.86	23.15	24.52
12H	4H	21.75	22.16	22.76	23.17	24.49	20.80	21.22	21.82	22.23	23.55
	6H	22.44	22.77	23.47	23.80	25.13	21.47	21.80	22.50	22.83	24.16
	8H	22.75	23.05	23.79	24.07	25.44	21.78	22.07	22.81	23.09	24.46