

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: P1439419

Luminaire Tested: CB3-B-055U-085D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439419  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-2, G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-B-055U-085D-930-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

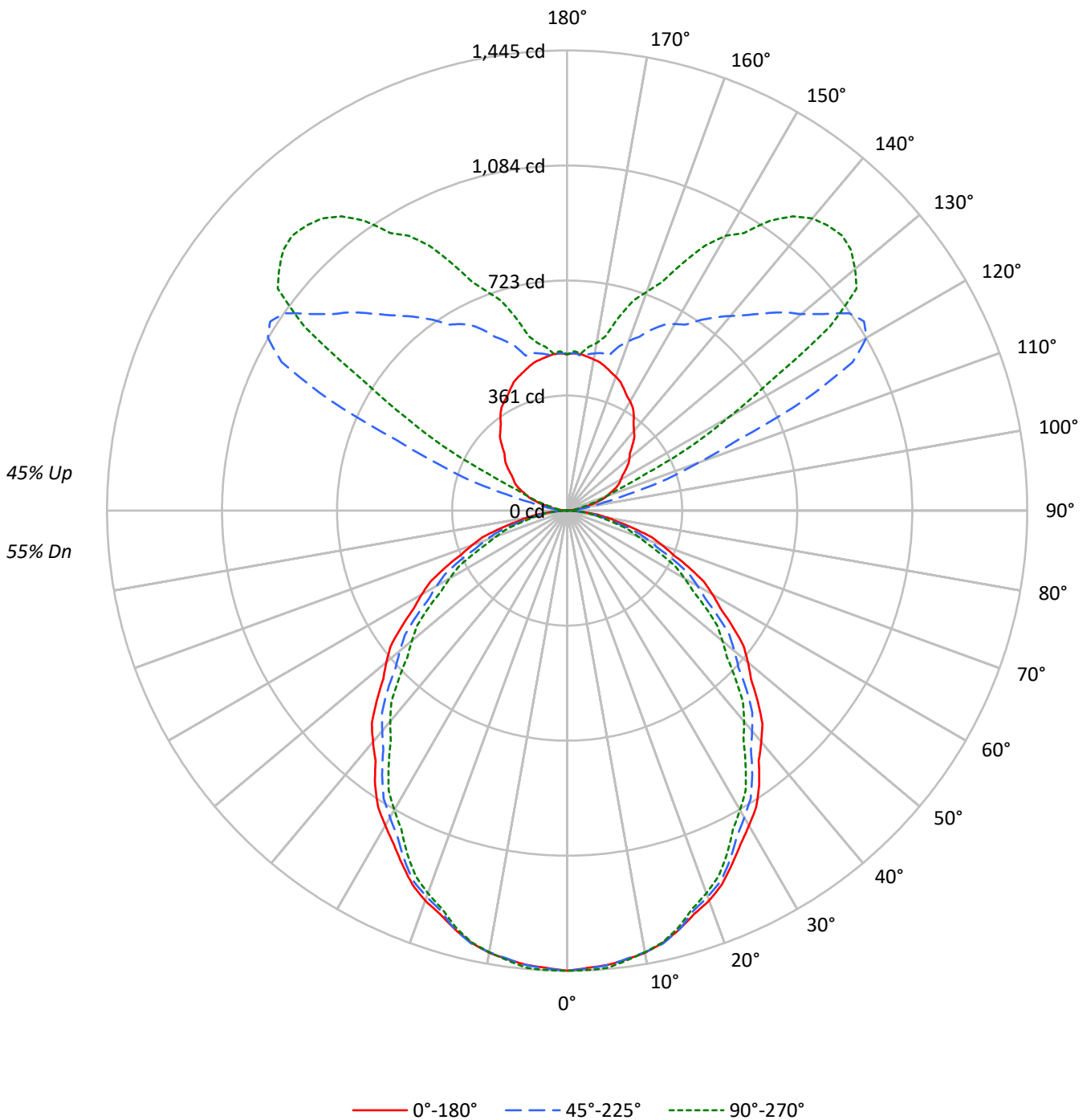
Lumens per Lamp: N/A  
Luminaire Lumens: 6345.5 lumens  
Efficiency: N/A  
Efficacy: 152.5 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 41.6  
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	0
RCR																		
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46
2	90	83	77	72	84	77	72	67	66	62	59	57	54	51	47	45	44	39
3	83	73	66	60	76	68	62	57	59	54	50	50	47	43	42	40	37	33
4	76	65	57	51	70	61	54	48	52	47	43	45	41	37	38	35	32	29
5	69	58	50	44	64	54	47	41	47	41	37	40	36	33	34	31	28	25
6	64	52	44	38	59	49	41	36	42	37	32	37	32	29	31	28	25	22
7	59	47	39	34	55	44	37	32	39	33	29	33	29	25	28	25	22	20
8	55	43	35	30	51	40	33	28	35	30	25	31	26	23	26	23	20	18
9	51	39	32	27	48	37	30	25	32	27	23	28	24	20	24	21	18	16
10	48	36	29	24	45	34	27	23	30	24	21	26	22	19	22	19	16	15

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

	0°	45°	90°
0°	16350	16350	16350
5°	16272	16284	16377
10°	16201	16177	16177
15°	15952	15952	15856
20°	15694	15533	15396
25°	15298	15106	14836
30°	14923	14535	14186
35°	14529	13991	13495
40°	14007	13339	12763
45°	13531	12759	11971
50°	13043	12066	11200
55°	12510	11398	10467
60°	11937	10706	9638
65°	11266	9919	8765
70°	10490	8998	7807
75°	9513	7895	6955
80°	8295	6620	6151
85°	6400	5595	5595

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13531 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.3	2.1
10°-20°	383.0	6.0
20°-30°	556.5	8.8
30°-40°	632.7	10.0
40°-50°	614.2	9.7
50°-60°	518.6	8.2
60°-70°	368.9	5.8
70°-80°	197.1	3.1
80°-90°	52.1	0.8
90°-100°	33.2	0.5
100°-110°	173.9	2.7
110°-120°	437.7	6.9
120°-130°	675.3	10.6
130°-140°	618.2	9.7
140°-150°	456.2	7.2
150°-160°	290.8	4.6
160°-170°	153.1	2.4
170°-180°	47.7	0.8
0°-30°	1075.8	17.0
0°-40°	1708.5	26.9
0°-60°	2841.3	44.8
0°-90°	3459.4	54.5
90°-120°	644.8	10.2
90°-150°	2394.4	37.7
90°-180°	2886.0	45.5
0°-180°	6345.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1445	1445	1445	1445	1445	
5°	1433	1451	1434	1432	1442	136
15°	1362	1374	1362	1354	1354	384
25°	1225	1229	1210	1193	1188	565
35°	1052	1042	1013	983	977	656
45°	846	833	797	759	748	652
55°	634	617	578	541	531	567
65°	421	406	370	337	327	417
75°	218	206	181	162	159	232
85°	49	45	43	43	43	58
90°	0	0	0	0	0	3
95°	17	49	20	11	11	22
105°	89	275	199	82	67	95
115°	169	344	826	359	272	164
125°	225	347	1081	1090	1007	201
135°	290	387	875	1194	1221	224
145°	365	422	731	1016	1111	227
155°	422	453	627	776	856	194
165°	467	480	504	589	629	132
175°	493	503	488	491	495	47
180°	491	491	491	491	491	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1445.0	1445.0	1445.0	1445.0	1445.0
2.5°	1437.6	1452.0	1439.2	1440.9	1444.2
5°	1432.7	1450.7	1433.7	1431.9	1441.9
7.5°	1421.6	1438.0	1420.3	1416.2	1425.3
10°	1410.1	1428.1	1408.0	1403.0	1408.0
12.5°	1389.6	1408.4	1392.4	1384.1	1388.3
15°	1361.8	1373.9	1361.8	1353.6	1353.6
17.5°	1328.0	1340.6	1317.9	1312.1	1309.9
20°	1303.4	1314.4	1290.0	1281.7	1278.7
22.5°	1270.5	1280.7	1260.5	1246.4	1242.6
25°	1225.4	1229.4	1210.0	1193.4	1188.4
27.5°	1180.0	1181.0	1154.3	1134.3	1127.7
30°	1142.2	1143.2	1112.5	1090.8	1085.8
32.5°	1104.5	1101.5	1072.2	1046.5	1043.1
35°	1051.9	1041.9	1012.9	983.0	977.0
37.5°	988.5	982.5	948.3	918.3	909.3
40°	948.3	938.2	903.1	873.1	864.1
42.5°	908.0	896.4	860.4	827.1	817.3
45°	845.6	832.6	797.4	759.2	748.1
47.5°	782.8	768.6	729.9	692.9	680.6
50°	741.0	725.9	685.5	649.3	636.3
52.5°	698.3	682.4	642.0	605.0	594.4
55°	634.2	617.2	577.8	540.6	530.6
57.5°	570.2	553.3	514.2	479.0	466.9
60°	527.5	511.4	473.1	437.9	425.9
62.5°	484.0	468.7	431.2	396.9	385.7
65°	420.8	405.7	370.5	337.4	327.4
67.5°	358.2	345.3	310.5	280.2	272.2
70°	317.1	305.1	272.0	244.1	236.0
72.5°	277.7	264.9	233.4	209.6	204.0
75°	217.6	205.5	180.6	162.1	159.1
77.5°	162.6	152.7	131.2	120.7	119.0
80°	127.3	118.2	101.6	94.4	94.4
82.5°	94.4	87.0	76.1	73.1	73.1
85°	49.3	45.2	43.1	43.1	43.1
87.5°	14.8	14.8	14.0	13.1	13.1
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.2	12.0	3.5	1.8	3.5
95°	17.3	49.0	19.5	10.8	10.8
97.5°	35.9	109.4	50.1	26.7	24.2
100°	49.7	155.4	77.8	38.8	34.6
102.5°	65.3	201.4	117.6	52.6	45.0
105°	88.6	274.6	198.9	81.8	67.0
107.5°	114.6	324.6	327.7	126.1	101.6
110°	131.9	345.3	436.6	165.6	127.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	147.4	350.7	581.9	225.8	174.2
115°	168.6	344.0	825.7	359.0	272.4
117.5°	184.2	327.5	1010.7	571.1	440.5
120°	194.5	327.7	1085.1	731.6	585.8
122.5°	206.6	329.6	1105.8	891.0	757.0
125°	224.8	347.4	1080.8	1089.7	1007.3
127.5°	243.0	360.5	1013.3	1171.4	1145.6
130°	255.1	369.2	959.7	1199.2	1180.2
132.5°	267.2	377.9	921.7	1199.9	1209.6
135°	289.6	386.9	875.4	1193.8	1221.3
137.5°	312.6	397.9	832.2	1156.0	1213.1
140°	326.4	406.7	797.6	1115.1	1197.5
142.5°	342.0	413.8	764.8	1077.1	1164.6
145°	365.3	422.4	730.6	1015.9	1111.0
147.5°	383.5	427.0	692.1	954.2	1032.8
150°	395.6	427.3	676.6	899.3	996.5
152.5°	405.9	435.9	657.5	848.9	937.7
155°	421.5	453.2	626.8	775.7	856.0
157.5°	437.1	467.5	590.5	721.0	775.6
160°	447.4	472.8	566.3	694.7	730.6
162.5°	456.1	478.1	540.4	649.8	690.8
165°	466.9	479.6	503.6	588.9	629.0
167.5°	476.8	483.2	506.7	529.0	561.6
170°	482.0	488.4	501.5	523.3	533.9
172.5°	487.2	496.9	494.6	509.5	518.3
175°	492.8	503.4	488.5	490.8	495.0
177.5°	494.1	499.2	495.9	496.0	501.0
180°	490.7	490.7	490.7	490.7	490.7



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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	17.27	18.16	18.18	19.09	20.30	16.19	17.08	17.11	18.02	19.22
	3H	18.93	19.73	19.87	20.68	21.91	17.60	18.40	18.54	19.35	20.58
	4H	19.57	20.32	20.51	21.27	22.51	18.12	18.88	19.07	19.83	21.07
	6H	19.95	20.65	20.91	21.61	22.86	18.44	19.14	19.40	20.09	21.35
	8H	20.09	20.75	21.06	21.73	22.98	18.57	19.23	19.53	20.20	21.45
	12H	20.16	20.79	21.13	21.76	23.03	18.64	19.27	19.61	20.24	21.51
4H	2H	17.68	18.43	18.63	19.38	20.62	16.82	17.57	17.77	18.52	19.76
	3H	19.57	20.20	20.53	21.18	22.43	18.44	19.07	19.40	20.05	21.30
	4H	20.32	20.89	21.29	21.87	23.15	19.05	19.62	20.02	20.60	21.88
	6H	20.82	21.32	21.81	22.32	23.59	19.46	19.96	20.45	20.96	22.23
	8H	21.02	21.48	22.00	22.47	23.76	19.63	20.10	20.62	21.09	22.38
	12H	21.11	21.53	22.12	22.54	23.84	19.74	20.16	20.74	21.17	22.46
8H	4H	20.45	20.91	21.44	21.90	23.20	19.31	19.77	20.30	20.77	22.06
	6H	21.07	21.45	22.08	22.49	23.78	19.84	20.22	20.85	21.26	22.55
	8H	21.35	21.68	22.37	22.71	24.01	20.10	20.43	21.11	21.45	22.76
	12H	21.51	21.81	22.54	22.82	24.18	20.27	20.57	21.29	21.58	22.94
12H	4H	20.43	20.84	21.43	21.85	23.15	19.32	19.73	20.32	20.74	22.04
	6H	21.09	21.43	22.11	22.45	23.75	19.90	20.24	20.92	21.26	22.56
	8H	21.39	21.69	22.41	22.70	24.05	20.18	20.48	21.21	21.49	22.85