

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: P1439483

Luminaire Tested: CB3-B-125U-085D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439483  
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-125U-085D-930-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

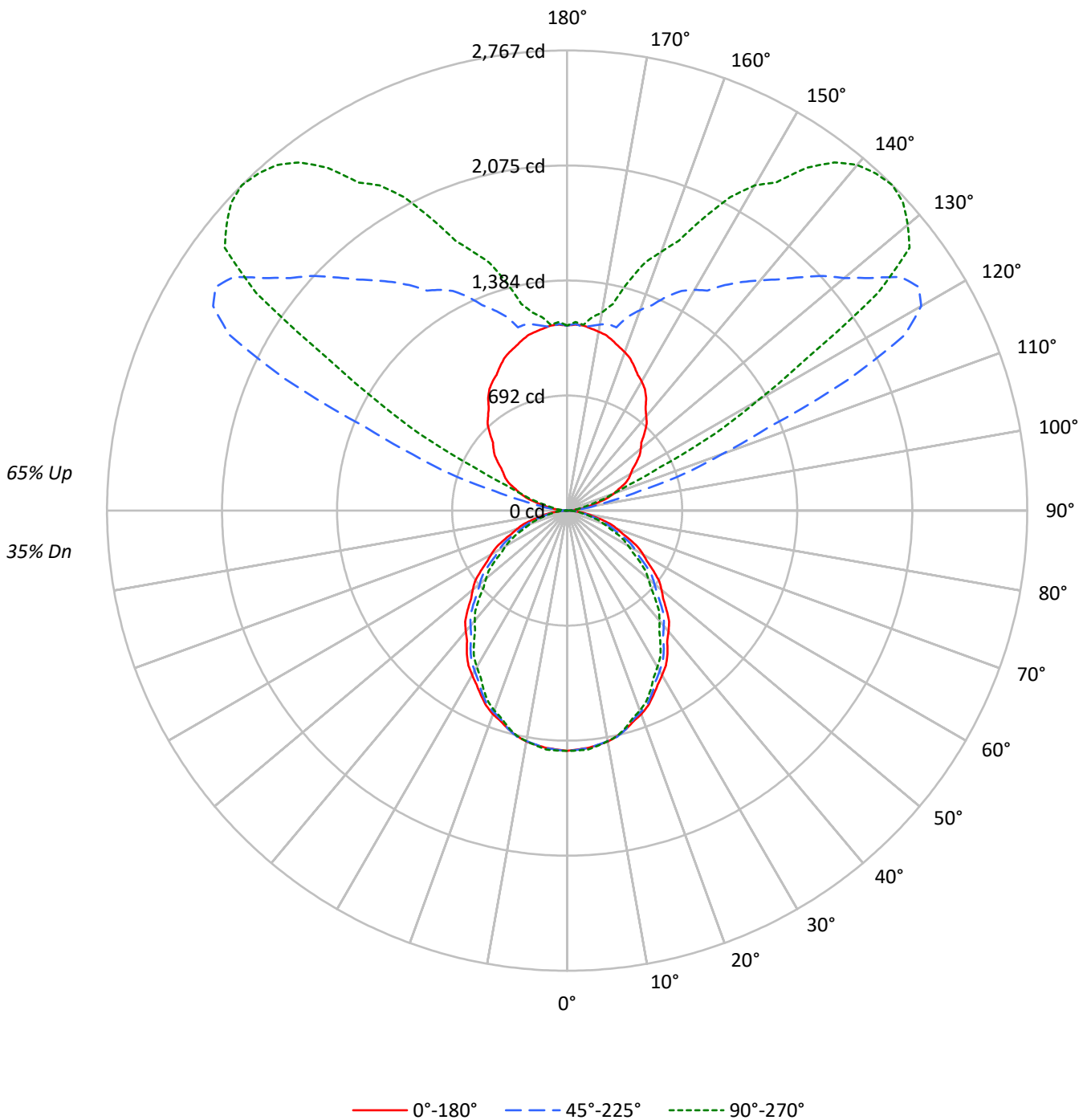
Lumens per Lamp: N/A  
Luminaire Lumens: 9998.0 lumens  
Efficiency: N/A  
Efficacy: 159.0 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 62.9  
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					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	103	103	103	103	93	93	93	93	75	75	75	58	58	58	42	42	42	35				
1	94	90	87	83	85	82	79	76	66	63	62	51	49	48	37	36	36	29				
2	86	79	73	68	78	72	67	62	58	54	51	45	42	40	33	31	30	25				
3	79	69	62	57	71	63	57	52	51	47	43	40	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	24	21	20	16				
6	61	49	41	36	55	45	38	33	36	31	28	29	25	22	21	19	17	14				
7	56	44	36	31	51	40	34	29	33	28	24	26	22	20	20	17	15	13				
8	52	40	33	27	47	37	30	25	30	25	21	24	20	18	18	16	14	11				
9	48	36	29	24	44	33	27	23	27	23	19	22	18	16	17	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°	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	1.4
10°-20°	383.0	3.8
20°-30°	556.5	5.6
30°-40°	632.7	6.3
40°-50°	614.2	6.1
50°-60°	518.6	5.2
60°-70°	368.9	3.7
70°-80°	197.1	2.0
80°-90°	52.1	0.5
90°-100°	75.2	0.8
100°-110°	394.0	3.9
110°-120°	991.7	9.9
120°-130°	1529.9	15.3
130°-140°	1400.5	14.0
140°-150°	1033.6	10.3
150°-160°	658.9	6.6
160°-170°	346.9	3.5
170°-180°	108.0	1.1
0°-30°	1075.8	10.8
0°-40°	1708.5	17.1
0°-60°	2841.3	28.4
0°-90°	3459.4	34.6
90°-120°	1460.8	14.6
90°-150°	5424.8	54.3
90°-180°	6539.0	65.4
0°-180°	9998.0	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	4
95°	39	111	44	24	24	50
105°	201	622	450	185	152	214
115°	382	779	1871	813	617	372
125°	509	787	2449	2469	2282	456
135°	656	876	1983	2705	2767	507
145°	828	957	1655	2302	2517	514
155°	955	1027	1420	1757	1939	440
165°	1058	1086	1141	1334	1425	298
175°	1117	1140	1107	1112	1122	106
180°	1112	1112	1112	1112	1112	

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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°	11.8	27.1	7.8	4.0	7.8
95°	39.2	111.0	44.1	24.5	24.5
97.5°	81.3	247.9	113.6	60.6	54.8
100°	112.6	352.1	176.3	87.9	78.4
102.5°	147.9	456.3	266.4	119.1	101.9
105°	200.8	622.2	450.5	185.3	151.8
107.5°	259.6	735.5	742.4	285.7	230.2
110°	298.7	782.4	989.2	375.1	288.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	334.0	794.6	1318.3	511.6	394.7
115°	382.0	779.4	1870.7	813.4	617.1
117.5°	417.2	741.9	2289.9	1294.0	998.1
120°	440.8	742.4	2458.4	1657.6	1327.2
122.5°	468.2	746.9	2505.4	2018.6	1715.0
125°	509.3	787.0	2448.6	2468.9	2282.1
127.5°	550.4	816.7	2295.8	2654.0	2595.5
130°	577.9	836.4	2174.4	2717.0	2673.9
132.5°	605.3	856.2	2088.2	2718.5	2740.5
135°	656.2	876.5	1983.4	2704.7	2766.9
137.5°	708.1	901.6	1885.4	2619.0	2748.3
140°	739.5	921.4	1807.1	2526.3	2713.1
142.5°	774.7	937.5	1732.6	2440.4	2638.6
145°	827.6	956.9	1655.3	2301.7	2517.2
147.5°	868.8	967.4	1568.1	2161.8	2339.9
150°	896.2	968.0	1532.8	2037.4	2257.6
152.5°	919.7	987.7	1489.7	1923.3	2124.4
155°	955.0	1026.8	1420.2	1757.3	1939.3
157.5°	990.2	1059.2	1337.9	1633.6	1757.1
160°	1013.7	1071.2	1283.1	1573.9	1655.3
162.5°	1033.3	1083.1	1224.3	1472.3	1565.2
165°	1057.8	1086.5	1141.1	1334.1	1425.1
167.5°	1080.3	1094.7	1147.9	1198.6	1272.3
170°	1092.1	1106.4	1136.2	1185.7	1209.6
172.5°	1103.8	1125.9	1120.5	1154.2	1174.4
175°	1116.6	1140.5	1106.8	1111.9	1121.5
177.5°	1119.5	1131.0	1123.4	1123.7	1135.2
180°	1111.7	1111.7	1111.7	1111.7	1111.7

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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	15.23	15.96	16.31	17.04	18.52	14.15	14.89	15.24	15.96	17.44
	3H	16.89	17.54	17.98	18.63	20.13	15.56	16.21	16.65	17.30	18.79
	4H	17.51	18.13	18.61	19.22	20.72	16.07	16.69	17.17	17.78	19.28
	6H	17.89	18.46	19.00	19.56	21.07	16.38	16.95	17.49	18.04	19.56
	8H	18.03	18.57	19.14	19.68	21.18	16.50	17.04	17.61	18.15	19.66
	12H	18.09	18.60	19.21	19.71	21.24	16.57	17.09	17.69	18.19	19.72
4H	2H	15.62	16.25	16.73	17.33	18.83	14.77	15.39	15.87	16.48	17.98
	3H	17.50	18.02	18.62	19.14	20.65	16.37	16.89	17.49	18.01	19.52
	4H	18.25	18.72	19.36	19.83	21.36	16.97	17.45	18.09	18.56	20.09
	6H	18.74	19.15	19.87	20.28	21.80	17.38	17.79	18.50	18.92	20.44
	8H	18.93	19.31	20.05	20.43	21.97	17.55	17.93	18.67	19.05	20.59
	12H	19.02	19.36	20.16	20.50	22.04	17.65	17.99	18.79	19.12	20.67
8H	4H	18.36	18.74	19.49	19.87	21.41	17.23	17.61	18.35	18.73	20.27
	6H	18.98	19.29	20.12	20.46	21.99	17.75	18.06	18.90	19.23	20.76
	8H	19.25	19.53	20.41	20.67	22.23	18.00	18.27	19.15	19.42	20.98
	12H	19.41	19.65	20.57	20.79	22.39	18.17	18.41	19.33	19.55	21.14
12H	4H	18.33	18.68	19.47	19.81	21.36	17.22	17.57	18.36	18.70	20.25
	6H	18.99	19.27	20.15	20.41	21.97	17.81	18.08	18.96	19.22	20.78
	8H	19.29	19.53	20.44	20.67	22.26	18.08	18.32	19.24	19.46	21.06