

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: P1439495

Luminaire Tested: CB3-B-125U-120D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439495  
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-120D-940-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

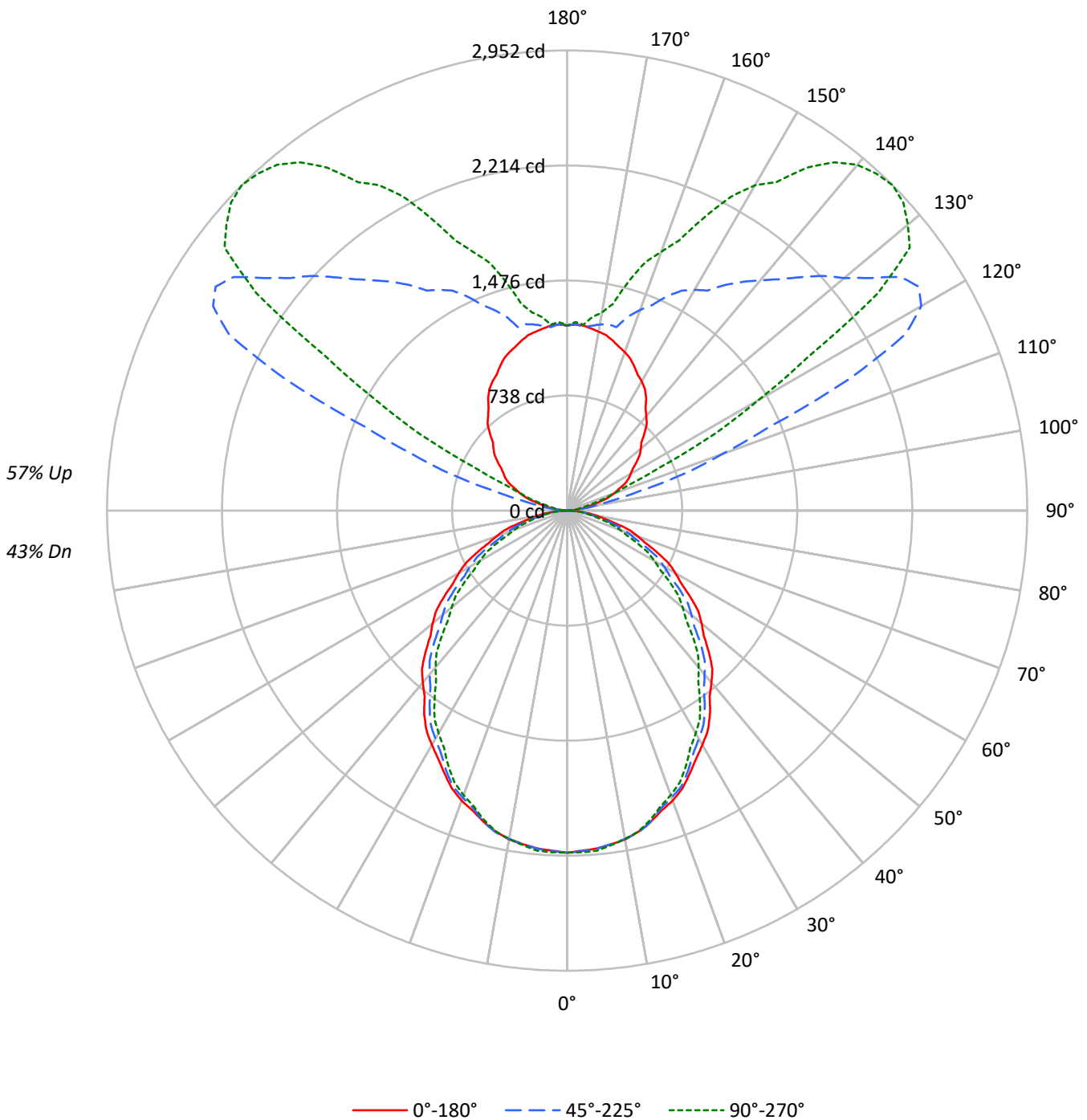
Lumens per Lamp: N/A  
Luminaire Lumens: 12231.8 lumens  
Efficiency: N/A  
Efficacy: 162.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 75.4  
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	105	105	105	105	96	96	96	96	79	79	79	64	64	64	50	50	50	43																				
1	96	92	88	85	88	84	81	78	70	68	65	56	55	53	44	43	42	37																				
2	88	81	75	70	80	74	69	64	61	58	54	50	47	45	39	37	36	31																				
3	80	71	64	58	73	65	59	54	54	50	46	44	41	38	35	32	31	26																				
4	73	63	55	49	67	58	51	46	48	43	39	39	36	33	31	29	26	23																				
5	67	56	48	42	61	52	45	39	43	38	34	35	31	28	28	25	23	20																				
6	62	50	42	37	57	46	39	34	39	34	30	32	28	25	25	23	20	17																				
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	16																				
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	21	19	16	14																				
9	50	38	30	25	45	35	28	24	30	24	21	25	21	18	20	17	15	13																				
10	46	34	27	23	42	32	26	21	27	22	19	23	19	16	18	16	13	11																				

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

	0°	45°	90°
0°	24834	24834	24834
5°	24717	24734	24876
10°	24609	24573	24573
15°	24231	24231	24086
20°	23838	23594	23388
25°	23237	22945	22537
30°	22668	22077	21548
35°	22070	21252	20498
40°	21275	20262	19387
45°	20554	19381	18184
50°	19811	18329	17013
55°	19004	17312	15897
60°	18133	16261	14639
65°	17110	15068	13314
70°	15935	13666	11860
75°	14448	11996	10562
80°	12595	10054	9344
85°	9711	8503	8503

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 20554 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.1	1.7
10°-20°	581.8	4.8
20°-30°	845.3	6.9
30°-40°	961.1	7.9
40°-50°	933.0	7.6
50°-60°	787.7	6.4
60°-70°	560.4	4.6
70°-80°	299.4	2.4
80°-90°	79.1	0.6
90°-100°	80.2	0.7
100°-110°	420.4	3.4
110°-120°	1058.2	8.7
120°-130°	1632.4	13.3
130°-140°	1494.4	12.2
140°-150°	1102.9	9.0
150°-160°	703.1	5.7
160°-170°	370.1	3.0
170°-180°	115.2	0.9
0°-30°	1634.2	13.4
0°-40°	2595.3	21.2
0°-60°	4315.9	35.3
0°-90°	5254.9	43.0
90°-120°	1558.7	12.7
90°-150°	5788.5	47.3
90°-180°	6977.0	57.0
0°-180°	12231.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2195	2195	2195	2195	2195	
5°	2176	2204	2178	2175	2190	207
15°	2069	2087	2069	2056	2056	583
25°	1861	1867	1838	1813	1805	858
35°	1598	1583	1539	1493	1484	996
45°	1284	1265	1211	1153	1136	991
55°	963	938	878	821	806	861
65°	639	616	563	512	497	633
75°	330	312	274	246	242	352
85°	75	69	66	66	66	89
90°	0	0	0	0	0	5
95°	42	118	47	26	26	53
105°	214	664	481	198	162	229
115°	408	832	1996	868	658	397
125°	544	840	2613	2634	2435	486
135°	700	935	2116	2886	2952	541
145°	883	1021	1766	2456	2686	549
155°	1019	1096	1515	1875	2069	470
165°	1129	1159	1218	1424	1521	318
175°	1191	1217	1181	1186	1197	113
180°	1186	1186	1186	1186	1186	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2194.9	2194.9	2194.9	2194.9	2194.9
2.5°	2183.7	2205.6	2186.2	2188.8	2193.6
5°	2176.2	2203.6	2177.7	2175.0	2190.2
7.5°	2159.4	2184.3	2157.5	2151.2	2165.0
10°	2141.9	2169.3	2138.8	2131.2	2138.8
12.5°	2110.7	2139.4	2115.1	2102.4	2108.8
15°	2068.6	2086.9	2068.6	2056.2	2056.2
17.5°	2017.2	2036.4	2001.9	1993.1	1989.7
20°	1979.8	1996.5	1959.5	1946.9	1942.4
22.5°	1929.9	1945.4	1914.6	1893.3	1887.5
25°	1861.3	1867.4	1837.9	1812.8	1805.2
27.5°	1792.4	1793.9	1753.4	1723.0	1712.9
30°	1735.0	1736.6	1689.8	1656.9	1649.3
32.5°	1677.7	1673.1	1628.7	1589.6	1584.4
35°	1597.8	1582.6	1538.6	1493.2	1484.0
37.5°	1501.5	1492.4	1440.4	1394.9	1381.2
40°	1440.4	1425.2	1371.8	1326.3	1312.6
42.5°	1379.3	1361.6	1307.0	1256.4	1241.5
45°	1284.5	1264.7	1211.2	1153.2	1136.4
47.5°	1189.1	1167.5	1108.7	1052.4	1033.8
50°	1125.5	1102.6	1041.3	986.3	966.5
52.5°	1060.7	1036.6	975.2	919.1	902.9
55°	963.4	937.5	877.6	821.2	805.9
57.5°	866.1	840.5	781.0	727.6	709.3
60°	801.3	776.9	718.6	665.2	646.9
62.5°	735.2	712.0	655.0	602.9	585.8
65°	639.1	616.3	562.8	512.5	497.3
67.5°	544.0	524.5	471.7	425.6	413.4
70°	481.7	463.4	413.1	370.7	358.5
72.5°	421.8	402.3	354.5	318.4	309.9
75°	330.5	312.2	274.4	246.2	241.6
77.5°	246.9	232.0	199.2	183.3	180.8
80°	193.3	179.6	154.3	143.4	143.4
82.5°	143.4	132.1	115.7	111.0	111.0
85°	74.8	68.7	65.5	65.5	65.5
87.5°	22.4	22.4	21.2	20.0	20.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	12.5	28.9	8.4	4.3	8.4
95°	41.8	118.4	47.0	26.1	26.1
97.5°	86.7	264.6	121.2	64.7	58.5
100°	120.2	375.7	188.1	93.8	83.6
102.5°	157.8	486.9	284.3	127.1	108.7
105°	214.2	663.9	480.7	197.8	162.0
107.5°	277.0	784.8	792.2	304.9	245.6
110°	318.8	834.8	1055.6	400.3	308.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	356.4	847.9	1406.7	545.8	421.2
115°	407.6	831.7	1996.2	867.9	658.4
117.5°	445.2	791.6	2443.5	1380.7	1065.0
120°	470.3	792.2	2623.2	1768.7	1416.1
122.5°	499.6	796.9	2673.4	2153.9	1830.0
125°	543.5	839.8	2612.8	2634.4	2435.1
127.5°	587.3	871.4	2449.7	2831.9	2769.5
130°	616.6	892.5	2320.1	2899.1	2853.1
132.5°	645.9	913.6	2228.2	2900.7	2924.2
135°	700.2	935.3	2116.3	2886.0	2952.4
137.5°	755.6	962.0	2011.8	2794.6	2932.6
140°	789.1	983.2	1928.2	2695.7	2894.9
142.5°	826.7	1000.4	1848.8	2604.0	2815.5
145°	883.1	1021.1	1766.2	2456.0	2685.9
147.5°	927.0	1032.3	1673.2	2306.7	2496.8
150°	956.3	1032.9	1635.6	2173.9	2409.0
152.5°	981.4	1053.9	1589.6	2052.2	2266.8
155°	1019.0	1095.6	1515.4	1875.2	2069.3
157.5°	1056.6	1130.2	1427.6	1743.1	1874.9
160°	1081.7	1143.0	1369.1	1679.4	1766.2
162.5°	1102.6	1155.7	1306.4	1571.0	1670.1
165°	1128.7	1159.4	1217.5	1423.6	1520.6
167.5°	1152.8	1168.1	1224.9	1278.9	1357.6
170°	1165.3	1180.6	1212.3	1265.2	1290.7
172.5°	1177.8	1201.3	1195.6	1231.6	1253.1
175°	1191.4	1217.0	1181.0	1186.4	1196.6
177.5°	1194.6	1206.8	1198.7	1199.0	1211.3
180°	1186.2	1186.2	1186.2	1186.2	1186.2



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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	17.62	18.41	18.64	19.44	20.81	16.54	17.33	17.56	18.36	19.73
	3H	19.28	19.99	20.31	21.02	22.41	17.95	18.66	18.98	19.69	21.08
	4H	19.91	20.58	20.95	21.62	23.01	18.46	19.14	19.50	20.17	21.57
	6H	20.29	20.91	21.34	21.95	23.36	18.78	19.40	19.83	20.44	21.85
	8H	20.43	21.01	21.48	22.07	23.48	18.90	19.49	19.95	20.55	21.95
	12H	20.49	21.05	21.55	22.10	23.53	18.97	19.53	20.03	20.58	22.01
4H	2H	18.02	18.69	19.07	19.73	21.12	17.16	17.83	18.21	18.87	20.27
	3H	19.90	20.46	20.96	21.53	22.94	18.77	19.33	19.83	20.40	21.81
	4H	20.65	21.16	21.71	22.22	23.65	19.38	19.89	20.44	20.95	22.38
	6H	21.15	21.59	22.22	22.67	24.09	19.79	20.23	20.86	21.31	22.73
	8H	21.34	21.75	22.41	22.82	24.26	19.95	20.37	21.03	21.44	22.88
	12H	21.43	21.80	22.52	22.89	24.34	20.06	20.43	21.15	21.51	22.96
8H	4H	20.77	21.18	21.84	22.26	23.70	19.63	20.04	20.70	21.12	22.56
	6H	21.39	21.73	22.48	22.84	24.28	20.16	20.50	21.25	21.61	23.05
	8H	21.66	21.96	22.76	23.06	24.52	20.41	20.71	21.51	21.81	23.26
	12H	21.83	22.09	22.93	23.18	24.68	20.58	20.85	21.69	21.94	23.44
12H	4H	20.74	21.11	21.83	22.20	23.65	19.63	20.00	20.72	21.09	22.54
	6H	21.41	21.70	22.51	22.80	24.26	20.22	20.51	21.32	21.61	23.07
	8H	21.70	21.96	22.81	23.06	24.55	20.49	20.76	21.60	21.85	23.35