

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: P1438965

Luminaire Tested: CB2-B-125U-085D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438965  
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-125U-085D-935-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

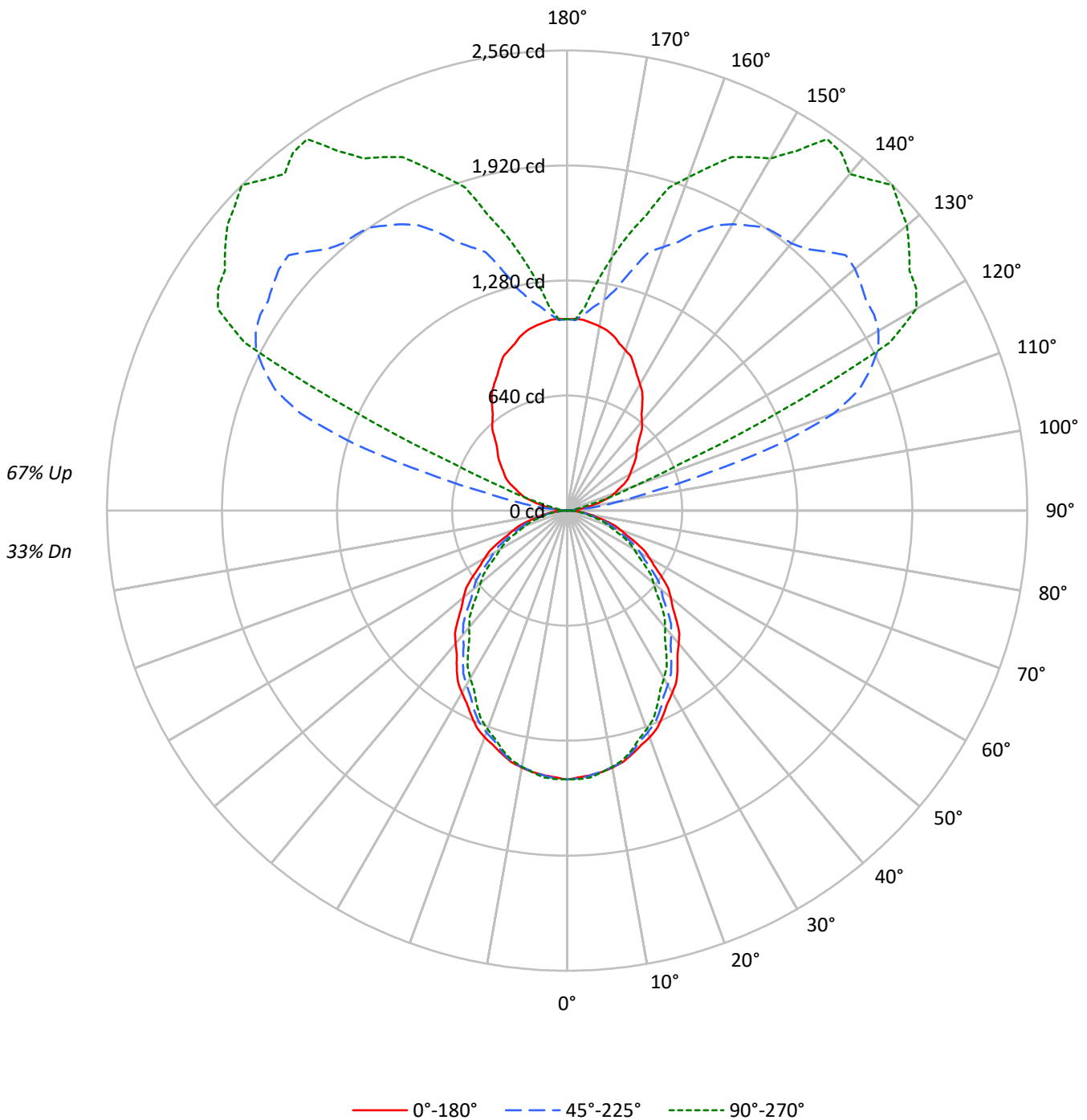
Lumens per Lamp: N/A  
Luminaire Lumens: 10480.6 lumens  
Efficiency: N/A  
Efficacy: 154.6 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 67.8  
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

TEST NUMBER: P1438965

CATALOG NUMBER: CB2-B-125U-085D-935-1D-UNV-STD-W-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1438965

CATALOG NUMBER: CB2-B-125U-085D-935-1D-UNV-STD-W-4

**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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	33																				
1	94	90	86	83	85	81	78	75	65	63	61	50	49	47	36	35	35	28																				
2	86	79	73	68	77	71	66	62	57	54	51	44	42	40	32	31	29	24																				
3	78	69	62	57	70	63	57	52	50	46	43	39	36	34	28	27	25	20																				
4	72	61	54	48	64	56	49	44	45	40	36	35	32	29	25	23	22	18																				
5	66	55	47	41	59	50	43	38	40	35	31	31	28	25	23	21	19	15																				
6	60	49	41	35	54	44	38	33	36	31	27	28	25	22	21	19	17	14																				
7	56	44	36	31	50	40	33	29	33	28	24	26	22	19	19	17	15	12																				
8	52	40	32	27	47	36	30	25	30	25	21	23	20	17	18	15	13	11																				
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10																				
10	45	33	26	22	41	30	24	20	25	20	17	20	16	14	15	13	11	9																				

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

	0°	45°	90°
0°	26055	26055	26055
5°	25832	25873	26053
10°	25685	25625	25606
15°	25279	25115	24907
20°	24882	24329	23990
25°	24213	23530	22869
30°	23543	22505	21654
35°	22770	21456	20433
40°	21955	20470	19272
45°	21132	19439	18141
50°	20390	18437	17038
55°	19477	17391	16000
60°	18435	16400	14961
65°	17326	15294	13926
70°	16097	14055	12599
75°	14643	12719	11407
80°	13100	11144	10341
85°	10072	9153	7554

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 21132 cd/sqm



TEST NUMBER: P1438965

CATALOG NUMBER: CB2-B-125U-085D-935-1D-UNV-STD-W-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.7	1.3
10°-20°	392.1	3.7
20°-30°	563.8	5.4
30°-40°	633.7	6.0
40°-50°	612.2	5.8
50°-60°	517.2	4.9
60°-70°	371.5	3.5
70°-80°	203.1	1.9
80°-90°	53.9	0.5
90°-100°	79.7	0.8
100°-110°	493.8	4.7
110°-120°	1245.2	11.9
120°-130°	1496.9	14.3
130°-140°	1357.2	12.9
140°-150°	1082.2	10.3
150°-160°	738.2	7.0
160°-170°	390.4	3.7
170°-180°	108.7	1.0
0°-30°	1096.6	10.5
0°-40°	1730.3	16.5
0°-60°	2859.7	27.3
0°-90°	3488.2	33.3
90°-120°	1818.7	17.4
90°-150°	5755.0	54.9
90°-180°	6992.0	66.7
0°-180°	10480.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1496	1496	1496	1496	1496	
5°	1478	1498	1480	1480	1490	140
15°	1402	1414	1393	1379	1381	395
25°	1260	1261	1224	1197	1190	580
35°	1071	1059	1009	970	961	669
45°	858	840	789	748	736	663
55°	641	618	573	537	527	573
65°	420	405	371	345	338	417
75°	218	204	189	174	170	233
85°	50	47	46	40	38	60
90°	0	0	0	0	0	4
95°	41	104	32	23	23	52
105°	202	565	816	205	138	212
115°	349	770	1862	1734	1321	342
125°	454	934	2032	2312	2326	406
135°	569	1035	2037	2385	2560	442
145°	729	1088	1922	2316	2523	456
155°	885	1110	1711	2062	2170	407
165°	1004	1099	1381	1626	1702	282
175°	1064	1078	1096	1115	1138	101
180°	1064	1064	1064	1064	1064	

TEST NUMBER: P1438965

CATALOG NUMBER: CB2-B-125U-085D-935-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1495.9	1495.9	1495.9	1495.9	1495.9
2.5°	1485.8	1503.7	1490.4	1492.3	1494.9
5°	1477.5	1497.7	1479.8	1480.1	1490.1
7.5°	1467.0	1486.0	1463.6	1459.4	1468.8
10°	1452.3	1471.4	1448.9	1441.0	1447.8
12.5°	1433.1	1451.2	1429.7	1417.2	1423.0
15°	1401.9	1414.3	1392.8	1379.1	1381.3
17.5°	1368.0	1375.7	1344.7	1333.2	1330.9
20°	1342.4	1349.1	1312.6	1296.5	1294.3
22.5°	1309.4	1315.2	1276.9	1257.1	1254.0
25°	1259.9	1261.0	1224.4	1196.8	1190.0
27.5°	1208.1	1204.6	1163.9	1131.2	1122.5
30°	1170.6	1166.1	1119.0	1084.5	1076.7
32.5°	1130.3	1122.2	1075.1	1037.8	1029.9
35°	1070.9	1058.6	1009.1	969.9	961.0
37.5°	1007.7	993.8	945.2	902.6	892.5
40°	965.6	949.9	900.3	857.7	847.6
42.5°	923.4	905.9	855.4	812.7	801.8
45°	857.9	840.0	789.2	747.7	736.5
47.5°	795.6	772.7	723.4	682.2	671.0
50°	752.5	727.9	680.4	640.0	628.8
52.5°	708.5	683.0	637.3	598.8	587.6
55°	641.4	617.9	572.7	537.0	526.9
57.5°	575.0	552.4	511.1	476.9	467.1
60°	529.2	510.1	470.8	438.5	429.5
62.5°	485.2	467.9	430.4	400.9	391.9
65°	420.4	404.7	371.1	344.6	337.9
67.5°	357.4	341.7	314.5	290.8	283.1
70°	316.1	300.4	276.0	254.1	247.4
72.5°	276.7	260.1	240.3	220.3	215.3
75°	217.6	204.2	189.0	174.0	169.5
77.5°	165.4	152.4	141.3	130.8	129.7
80°	130.6	119.4	111.1	104.2	103.1
82.5°	97.6	89.1	83.6	78.6	78.3
85°	50.4	47.0	45.8	40.0	37.8
87.5°	14.7	14.7	12.8	11.0	11.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	11.0	18.2	7.3	7.3	7.3
95°	41.3	104.1	32.1	22.9	22.9
97.5°	86.2	249.5	173.4	46.6	40.4
100°	119.3	361.4	298.1	68.5	55.0
102.5°	152.3	459.1	470.6	108.6	84.4
105°	201.8	565.1	816.5	204.9	137.6
107.5°	250.4	634.4	1251.3	422.8	255.0
110°	279.8	674.5	1577.9	659.1	394.5



TEST NUMBER: P1438965

CATALOG NUMBER: CB2-B-125U-085D-935-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	309.2	714.6	1757.7	1056.5	680.7
115°	348.6	770.2	1862.3	1733.6	1321.0
117.5°	381.6	821.2	1952.2	2143.9	2022.8
120°	403.6	861.1	1999.9	2202.6	2243.0
122.5°	425.7	890.3	2025.6	2225.5	2301.7
125°	454.1	934.0	2032.0	2312.1	2325.5
127.5°	482.5	966.9	2062.3	2391.7	2398.0
130°	504.6	988.9	2091.6	2418.4	2467.7
132.5°	530.2	1007.4	2102.6	2433.7	2508.1
135°	568.8	1035.2	2036.6	2384.6	2559.5
137.5°	617.4	1055.1	1973.3	2383.2	2496.2
140°	646.7	1059.4	1940.2	2435.8	2444.8
142.5°	679.8	1070.9	1932.9	2430.0	2507.2
145°	729.3	1088.1	1921.9	2316.5	2522.8
147.5°	778.9	1099.1	1879.7	2191.1	2371.4
150°	811.9	1103.4	1839.3	2149.2	2261.3
152.5°	844.9	1107.7	1788.0	2123.1	2217.3
155°	885.3	1109.5	1710.9	2062.0	2169.6
157.5°	927.5	1104.2	1618.3	1950.3	2067.8
160°	949.5	1097.5	1559.5	1869.2	1972.4
162.5°	971.5	1094.4	1508.2	1763.2	1884.3
165°	1004.5	1098.7	1380.7	1625.5	1701.7
167.5°	1026.5	1094.7	1261.4	1462.0	1569.6
170°	1041.2	1095.0	1188.0	1336.8	1426.5
172.5°	1052.2	1077.3	1144.0	1222.4	1283.4
175°	1064.2	1077.6	1096.3	1115.1	1137.5
177.5°	1067.8	1075.0	1060.5	1057.0	1064.2
180°	1064.2	1064.2	1064.2	1064.2	1064.2



TEST NUMBER: P1438965  
 CATALOG NUMBER: CB2-B-125U-085D-935-1D-UNV-STD-W-4

**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	16.54	17.26	17.63	18.35	19.84	15.44	16.16	16.53	17.25	18.74
	3H	18.17	18.82	19.27	19.92	21.43	16.96	17.60	18.06	18.70	20.21
	4H	18.80	19.41	19.91	20.51	22.02	17.52	18.14	18.63	19.23	20.75
	6H	19.19	19.76	20.31	20.86	22.38	17.89	18.45	19.01	19.55	21.08
	8H	19.34	19.87	20.46	20.99	22.51	18.02	18.56	19.15	19.68	21.20
	12H	19.41	19.92	20.53	21.02	22.57	18.08	18.59	19.21	19.70	21.25
4H	2H	16.93	17.55	18.05	18.64	20.16	16.06	16.67	17.17	17.77	19.28
	3H	18.79	19.30	19.91	20.42	21.95	17.78	18.29	18.90	19.41	20.94
	4H	19.53	20.00	20.66	21.11	22.66	18.45	18.92	19.57	20.03	21.58
	6H	20.04	20.44	21.17	21.58	23.12	18.92	19.32	20.05	20.45	21.99
	8H	20.24	20.62	21.38	21.75	23.30	19.10	19.48	20.24	20.61	22.16
	12H	20.34	20.68	21.49	21.82	23.38	19.18	19.52	20.33	20.66	22.22
8H	4H	19.67	20.05	20.81	21.18	22.73	18.71	19.09	19.84	20.21	21.77
	6H	20.31	20.62	21.46	21.79	23.34	19.31	19.62	20.46	20.79	22.34
	8H	20.60	20.87	21.76	22.02	23.59	19.58	19.85	20.74	21.00	22.58
	12H	20.77	21.01	21.93	22.15	23.76	19.73	19.96	20.89	21.11	22.72
12H	4H	19.65	19.99	20.80	21.13	22.69	18.71	19.05	19.86	20.19	21.75
	6H	20.34	20.61	21.50	21.76	23.33	19.37	19.64	20.53	20.79	22.36
	8H	20.65	20.89	21.81	22.03	23.64	19.67	19.91	20.83	21.06	22.66