

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: P1438923

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438923
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-085U-055D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

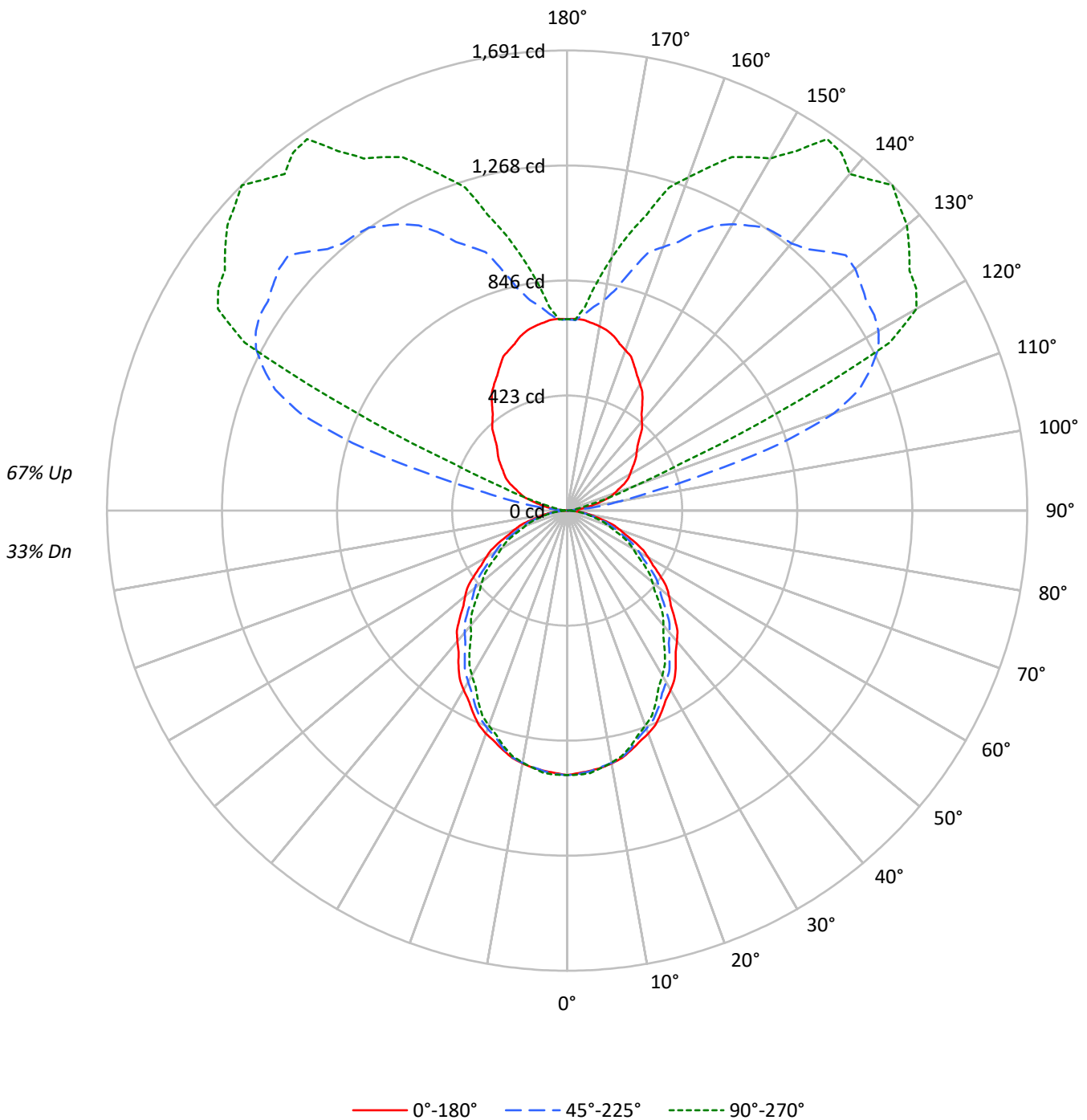
Lumens per Lamp: N/A
Luminaire Lumens: 6885.6 lumens
Efficiency: N/A
Efficacy: 160.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 43
Input Voltage (V): 120
Input Current (A_{in}): 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: P1438923

CATALOG NUMBER: CB2-B-085U-055D-930-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	74	74	74	56	56	56	40	40	40	33			33
1	94	90	86	83	85	81	78	75	65	63	61	50	48	47	36	35	34	28			28
2	86	79	73	68	77	71	66	62	57	53	50	44	42	39	32	30	29	24			24
3	78	69	62	57	70	63	57	52	50	46	42	39	36	34	28	26	25	20			20
4	72	61	54	48	64	55	49	44	45	40	36	35	31	29	25	23	22	17			17
5	66	54	47	41	59	49	43	38	40	35	31	31	28	25	23	21	19	15			15
6	60	49	41	35	54	44	38	33	36	31	27	28	25	22	21	18	17	13			13
7	56	44	36	31	50	40	33	29	33	28	24	26	22	19	19	17	15	12			12
8	52	40	32	27	47	36	30	25	30	25	21	23	20	17	17	15	13	11			11
9	48	36	29	24	43	33	27	22	27	22	19	21	18	15	16	14	12	10			10
10	45	33	26	22	40	30	24	20	25	20	17	20	16	14	15	13	11	9			9

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16930	16930	16930
5°	16786	16812	16930
10°	16690	16651	16639
15°	16427	16319	16185
20°	16168	15809	15588
25°	15734	15290	14861
30°	15297	14623	14070
35°	14797	13942	13276
40°	14265	13301	12523
45°	13732	12631	11789
50°	13250	11979	11072
55°	12657	11299	10397
60°	11980	10656	9722
65°	11255	9936	9050
70°	10460	9136	8189
75°	9516	8264	7416
80°	8506	7242	6720
85°	6535	5955	4916

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13732 cd/sqm



TEST NUMBER: P1438923

CATALOG NUMBER: CB2-B-085U-055D-930-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.4	1.3
10°-20°	254.8	3.7
20°-30°	366.4	5.3
30°-40°	411.8	6.0
40°-50°	397.8	5.8
50°-60°	336.1	4.9
60°-70°	241.4	3.5
70°-80°	131.9	1.9
80°-90°	35.0	0.5
90°-100°	52.7	0.8
100°-110°	326.2	4.7
110°-120°	822.6	11.9
120°-130°	988.8	14.4
130°-140°	896.5	13.0
140°-150°	714.9	10.4
150°-160°	487.7	7.1
160°-170°	257.9	3.7
170°-180°	71.8	1.0
0°-30°	712.6	10.3
0°-40°	1124.4	16.3
0°-60°	1858.2	27.0
0°-90°	2266.6	32.9
90°-120°	1201.4	17.4
90°-150°	3801.6	55.2
90°-180°	4619.0	67.1
0°-180°	6885.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	972	972	972	972	972	
5°	960	973	962	962	968	91
15°	911	919	905	896	898	257
25°	819	819	796	778	773	377
35°	696	688	656	630	624	435
45°	558	546	513	486	479	431
55°	417	402	372	349	342	373
65°	273	263	241	224	220	271
75°	141	133	123	113	110	151
85°	33	31	30	26	25	39
90°	0	0	0	0	0	2
95°	27	69	21	15	15	35
105°	133	373	539	135	91	140
115°	230	509	1230	1145	873	226
125°	300	617	1342	1527	1536	269
135°	376	684	1345	1575	1691	292
145°	482	719	1270	1530	1666	301
155°	585	733	1130	1362	1433	269
165°	664	726	912	1074	1124	186
175°	703	712	724	737	751	67
180°	703	703	703	703	703	



TEST NUMBER: P1438923

CATALOG NUMBER: CB2-B-085U-055D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	972.0	972.0	972.0	972.0	972.0
2.5°	965.5	977.1	968.4	969.7	971.4
5°	960.1	973.2	961.6	961.7	968.3
7.5°	953.3	965.6	951.0	948.3	954.4
10°	943.7	956.1	941.5	936.4	940.8
12.5°	931.2	943.0	929.0	920.9	924.7
15°	911.0	919.0	905.0	896.1	897.6
17.5°	889.0	893.9	873.8	866.3	864.8
20°	872.3	876.6	852.9	842.5	841.0
22.5°	850.8	854.6	829.7	816.9	814.8
25°	818.7	819.4	795.6	777.7	773.3
27.5°	785.1	782.7	756.3	735.1	729.4
30°	760.6	757.7	727.1	704.7	699.6
32.5°	734.4	729.2	698.6	674.3	669.2
35°	695.9	687.9	655.7	630.3	624.4
37.5°	654.8	645.8	614.2	586.5	579.9
40°	627.4	617.2	585.0	557.3	550.8
42.5°	600.0	588.7	555.8	528.1	521.0
45°	557.5	545.8	512.8	485.8	478.6
47.5°	517.0	502.1	470.1	443.3	436.0
50°	489.0	473.0	442.1	415.9	408.6
52.5°	460.4	443.8	414.1	389.1	381.8
55°	416.8	401.5	372.1	348.9	342.4
57.5°	373.6	358.9	332.1	309.9	303.5
60°	343.9	331.5	305.9	284.9	279.1
62.5°	315.3	304.1	279.7	260.5	254.7
65°	273.1	263.0	241.1	223.9	219.6
67.5°	232.2	222.0	204.4	188.9	184.0
70°	205.4	195.2	179.4	165.1	160.8
72.5°	179.8	169.0	156.1	143.1	139.9
75°	141.4	132.7	122.8	113.1	110.2
77.5°	107.5	99.0	91.8	85.0	84.3
80°	84.8	77.6	72.2	67.7	67.0
82.5°	63.4	57.9	54.3	51.1	50.9
85°	32.7	30.6	29.8	26.0	24.6
87.5°	9.5	9.5	8.3	7.1	7.1
90°	0.0	0.0	0.0	0.0	0.0
92.5°	7.3	12.0	4.8	4.8	4.8
95°	27.3	68.7	21.2	15.1	15.1
97.5°	57.0	164.8	114.5	30.8	26.7
100°	78.8	238.8	196.9	45.2	36.4
102.5°	100.6	303.2	310.9	71.8	55.8
105°	133.3	373.3	539.3	135.3	90.9
107.5°	165.4	419.0	826.6	279.3	168.5
110°	184.8	445.5	1042.3	435.4	260.6



TEST NUMBER: P1438923

CATALOG NUMBER: CB2-B-085U-055D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	204.2	472.0	1161.1	697.9	449.7
115°	230.3	508.8	1230.2	1145.2	872.6
117.5°	252.1	542.4	1289.6	1416.2	1336.2
120°	266.6	568.8	1321.1	1455.0	1481.7
122.5°	281.2	588.1	1338.0	1470.1	1520.5
125°	300.0	617.0	1342.3	1527.3	1536.2
127.5°	318.8	638.7	1362.3	1579.9	1584.1
130°	333.3	653.3	1381.7	1597.5	1630.1
132.5°	350.3	665.5	1388.9	1607.6	1656.8
135°	375.7	683.8	1345.3	1575.2	1690.7
137.5°	407.8	697.0	1303.5	1574.3	1648.9
140°	427.2	699.8	1281.7	1609.1	1615.0
142.5°	449.0	707.4	1276.8	1605.2	1656.2
145°	481.8	718.8	1269.6	1530.2	1666.5
147.5°	514.5	726.0	1241.7	1447.4	1566.5
150°	536.3	728.9	1215.0	1419.7	1493.8
152.5°	558.1	731.7	1181.1	1402.5	1464.7
155°	584.8	732.9	1130.2	1362.1	1433.2
157.5°	612.7	729.4	1069.0	1288.3	1365.9
160°	627.2	725.0	1030.2	1234.8	1302.9
162.5°	641.8	722.9	996.3	1164.7	1244.7
165°	663.6	725.8	912.0	1073.8	1124.1
167.5°	678.1	723.1	833.2	965.8	1036.9
170°	687.8	723.4	784.8	883.1	942.3
172.5°	695.1	711.7	755.7	807.5	847.8
175°	703.0	711.8	724.2	736.6	751.4
177.5°	705.4	710.1	700.5	698.2	703.0
180°	703.0	703.0	703.0	703.0	703.0

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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	15.00	15.72	16.09	16.80	18.30	13.90	14.62	14.99	15.71	17.20
	3H	16.63	17.27	17.73	18.37	19.89	15.41	16.06	16.52	17.16	18.67
	4H	17.25	17.86	18.36	18.96	20.48	15.98	16.59	17.09	17.69	19.21
	6H	17.65	18.21	18.77	19.31	20.84	16.34	16.91	17.47	18.01	19.54
	8H	17.79	18.33	18.92	19.44	20.97	16.48	17.02	17.61	18.13	19.66
	12H	17.86	18.37	18.99	19.48	21.03	16.54	17.05	17.67	18.16	19.71
4H	2H	15.39	16.00	16.51	17.10	18.62	14.51	15.12	15.63	16.22	17.74
	3H	17.24	17.75	18.37	18.88	20.41	16.24	16.74	17.36	17.87	19.40
	4H	17.98	18.45	19.11	19.57	21.12	16.90	17.37	18.03	18.49	20.04
	6H	18.50	18.90	19.63	20.04	21.58	17.37	17.77	18.51	18.91	20.45
	8H	18.70	19.07	19.83	20.20	21.76	17.56	17.93	18.69	19.06	20.62
	12H	18.80	19.14	19.95	20.28	21.84	17.64	17.98	18.79	19.12	20.69
8H	4H	18.13	18.50	19.26	19.63	21.19	17.17	17.54	18.30	18.67	20.23
	6H	18.77	19.07	19.92	20.25	21.80	17.76	18.07	18.92	19.25	20.80
	8H	19.06	19.32	20.22	20.48	22.05	18.04	18.31	19.20	19.46	21.04
	12H	19.22	19.46	20.39	20.61	22.22	18.18	18.42	19.35	19.57	21.18
12H	4H	18.10	18.44	19.25	19.58	21.15	17.16	17.50	18.31	18.64	20.21
	6H	18.79	19.06	19.96	20.21	21.79	17.83	18.10	18.99	19.25	20.83
	8H	19.10	19.34	20.27	20.49	22.10	18.13	18.36	19.29	19.51	21.12