

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: P1438915

Luminaire Tested: CB2-B-085U-030D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438915
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-030D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

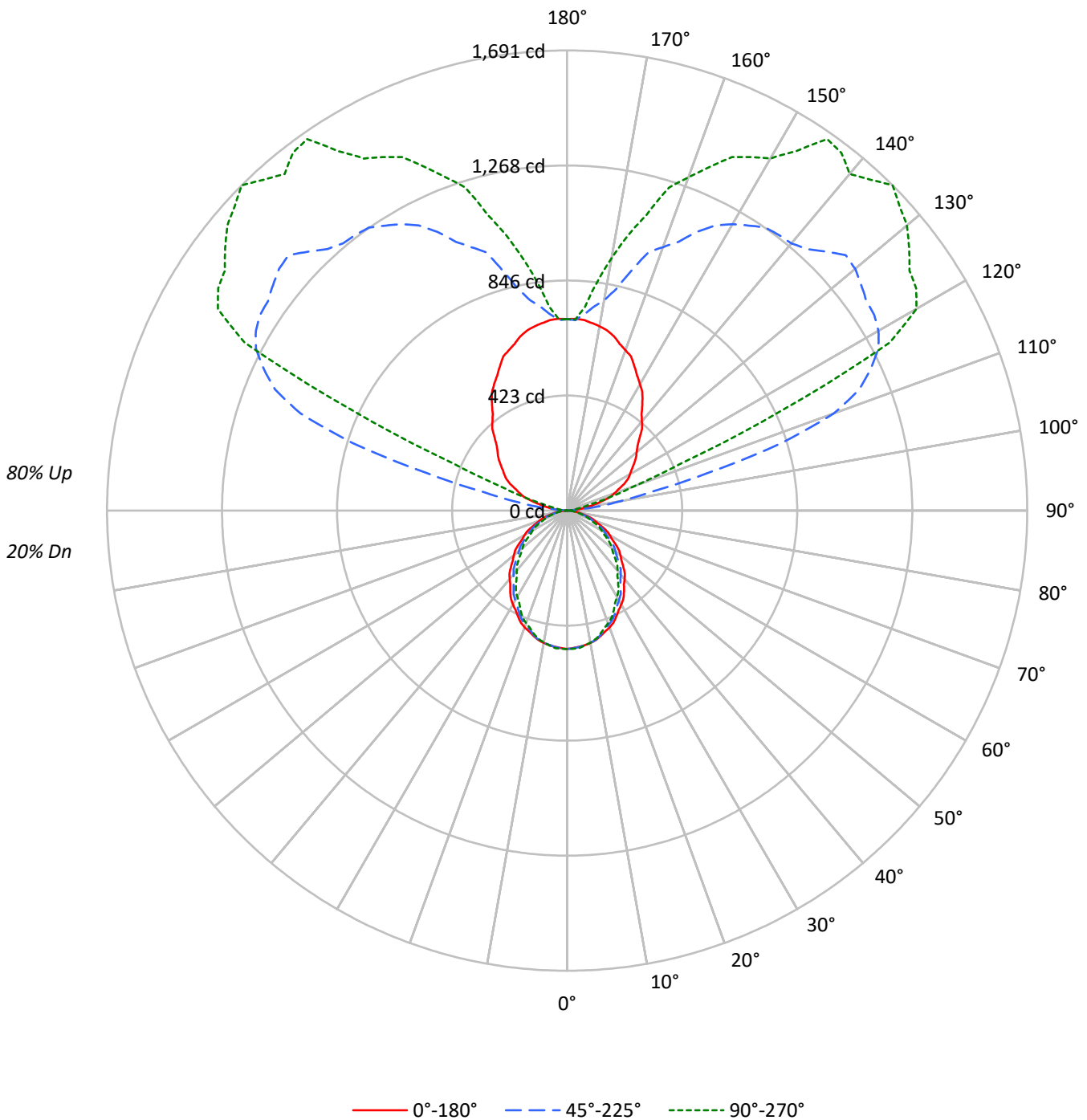
Lumens per Lamp: N/A
Luminaire Lumens: 5805.4 lumens
Efficiency: N/A
Efficacy: 170.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 34.1
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					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	100	100	100	100	89	89	89	89	67	67	67	47	47	47	29	29	29	20				
1	91	87	83	80	81	77	74	71	59	57	55	41	40	39	26	25	25	17				
2	83	76	70	65	73	68	63	59	51	48	45	36	34	33	23	22	21	15				
3	76	67	60	55	67	59	54	49	45	41	38	32	30	28	20	19	18	13				
4	69	59	52	46	61	53	46	41	40	36	32	29	26	24	18	17	15	11				
5	63	52	45	39	56	47	40	35	36	31	28	26	23	21	16	15	13	9				
6	58	47	39	34	51	42	35	31	32	28	24	23	20	18	15	13	12	8				
7	54	42	35	29	47	38	31	27	29	24	21	21	18	16	13	12	10	7				
8	50	38	31	26	44	34	28	23	26	22	19	19	16	14	12	11	9	7				
9	46	35	28	23	41	31	25	21	24	20	17	18	15	12	11	10	8	6				
10	43	32	25	20	38	28	22	18	22	18	15	16	13	11	10	9	8	5				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8862	8862	8862
5°	8787	8801	8863
10°	8737	8716	8709
15°	8599	8542	8473
20°	8463	8276	8159
25°	8237	8004	7779
30°	8009	7655	7365
35°	7746	7297	6951
40°	7467	6962	6555
45°	7188	6611	6170
50°	6937	6270	5796
55°	6626	5915	5442
60°	6270	5577	5089
65°	5893	5201	4735
70°	5474	4782	4288
75°	4980	4327	3883
80°	4453	3791	3521
85°	3417	3118	2578

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7188 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	0.8
10°-20°	133.4	2.3
20°-30°	191.8	3.3
30°-40°	215.6	3.7
40°-50°	208.2	3.6
50°-60°	175.9	3.0
60°-70°	126.4	2.2
70°-80°	69.1	1.2
80°-90°	18.3	0.3
90°-100°	52.7	0.9
100°-110°	326.2	5.6
110°-120°	822.6	14.2
120°-130°	988.8	17.0
130°-140°	896.5	15.4
140°-150°	714.9	12.3
150°-160°	487.7	8.4
160°-170°	257.9	4.4
170°-180°	71.8	1.2
0°-30°	373.0	6.4
0°-40°	588.6	10.1
0°-60°	972.7	16.8
0°-90°	1186.5	20.4
90°-120°	1201.4	20.7
90°-150°	3801.6	65.5
90°-180°	4619.0	79.6
0°-180°	5805.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	509	509	509	509	509	
5°	503	509	503	503	507	48
15°	477	481	474	469	470	134
25°	429	429	416	407	405	197
35°	364	360	343	330	327	228
45°	292	286	268	254	250	225
55°	218	210	195	183	179	195
65°	143	138	126	117	115	142
75°	74	70	64	59	58	79
85°	17	16	16	14	13	20
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	508.8	508.8	508.8	508.8	508.8
2.5°	505.4	511.5	506.9	507.6	508.5
5°	502.6	509.4	503.4	503.4	506.9
7.5°	499.0	505.5	497.8	496.4	499.6
10°	494.0	500.5	492.8	490.2	492.4
12.5°	487.5	493.6	486.3	482.1	484.0
15°	476.9	481.1	473.7	469.1	469.9
17.5°	465.3	467.9	457.4	453.5	452.7
20°	456.6	458.9	446.5	441.0	440.2
22.5°	445.4	447.4	434.3	427.6	426.5
25°	428.6	428.9	416.5	407.1	404.8
27.5°	410.9	409.7	395.9	384.8	381.8
30°	398.2	396.6	380.6	368.9	366.2
32.5°	384.5	381.7	365.7	353.0	350.3
35°	364.3	360.1	343.2	329.9	326.9
37.5°	342.8	338.0	321.5	307.0	303.6
40°	328.4	323.1	306.2	291.7	288.3
42.5°	314.1	308.1	290.9	276.4	272.7
45°	291.8	285.7	268.4	254.3	250.5
47.5°	270.6	262.8	246.1	232.0	228.2
50°	256.0	247.6	231.4	217.7	213.9
52.5°	241.0	232.3	216.8	203.7	199.9
55°	218.2	210.2	194.8	182.6	179.2
57.5°	195.6	187.9	173.8	162.2	158.9
60°	180.0	173.5	160.1	149.1	146.1
62.5°	165.0	159.2	146.4	136.4	133.3
65°	143.0	137.6	126.2	117.2	114.9
67.5°	121.6	116.2	107.0	98.9	96.3
70°	107.5	102.2	93.9	86.4	84.2
72.5°	94.1	88.5	81.7	74.9	73.2
75°	74.0	69.5	64.3	59.2	57.7
77.5°	56.3	51.8	48.1	44.5	44.1
80°	44.4	40.6	37.8	35.4	35.1
82.5°	33.2	30.3	28.4	26.7	26.6
85°	17.1	16.0	15.6	13.6	12.9
87.5°	5.0	5.0	4.4	3.7	3.7
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



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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	10.84	11.48	12.01	12.64	14.28	9.74	10.38	10.91	11.54	13.18
	3H	12.47	13.04	13.65	14.21	15.86	11.25	11.82	12.43	12.99	14.64
	4H	13.08	13.63	14.28	14.80	16.45	11.81	12.36	13.00	13.52	15.18
	6H	13.47	13.98	14.67	15.15	16.81	12.17	12.67	13.37	13.84	15.51
	8H	13.62	14.09	14.82	15.28	16.94	12.30	12.78	13.51	13.97	15.63
	12H	13.68	14.14	14.89	15.31	16.99	12.36	12.81	13.56	13.99	15.67
4H	2H	11.22	11.77	12.42	12.93	14.59	10.34	10.89	11.54	12.06	13.71
	3H	13.07	13.52	14.27	14.72	16.39	12.06	12.51	13.26	13.71	15.38
	4H	13.81	14.23	15.01	15.40	17.09	12.72	13.14	13.93	14.32	16.01
	6H	14.31	14.67	15.52	15.87	17.55	13.19	13.55	14.39	14.75	16.42
	8H	14.51	14.85	15.72	16.04	17.73	13.37	13.71	14.58	14.90	16.59
	12H	14.61	14.91	15.83	16.11	17.81	13.45	13.75	14.67	14.96	16.65
8H	4H	13.94	14.28	15.15	15.47	17.17	12.98	13.31	14.19	14.51	16.20
	6H	14.58	14.85	15.80	16.09	17.78	13.58	13.85	14.80	15.09	16.78
	8H	14.87	15.11	16.10	16.32	18.03	13.85	14.09	15.08	15.30	17.01
	12H	15.03	15.24	16.26	16.45	18.19	13.99	14.20	15.22	15.41	17.15
12H	4H	13.91	14.22	15.14	15.42	17.12	12.97	13.28	14.19	14.48	16.18
	6H	14.60	14.84	15.83	16.06	17.77	13.64	13.88	14.87	15.09	16.80
	8H	14.91	15.12	16.14	16.33	18.07	13.93	14.14	15.16	15.35	17.09