

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: P1439443

Luminaire Tested: CB3-B-085U-055D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439443
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-085U-055D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

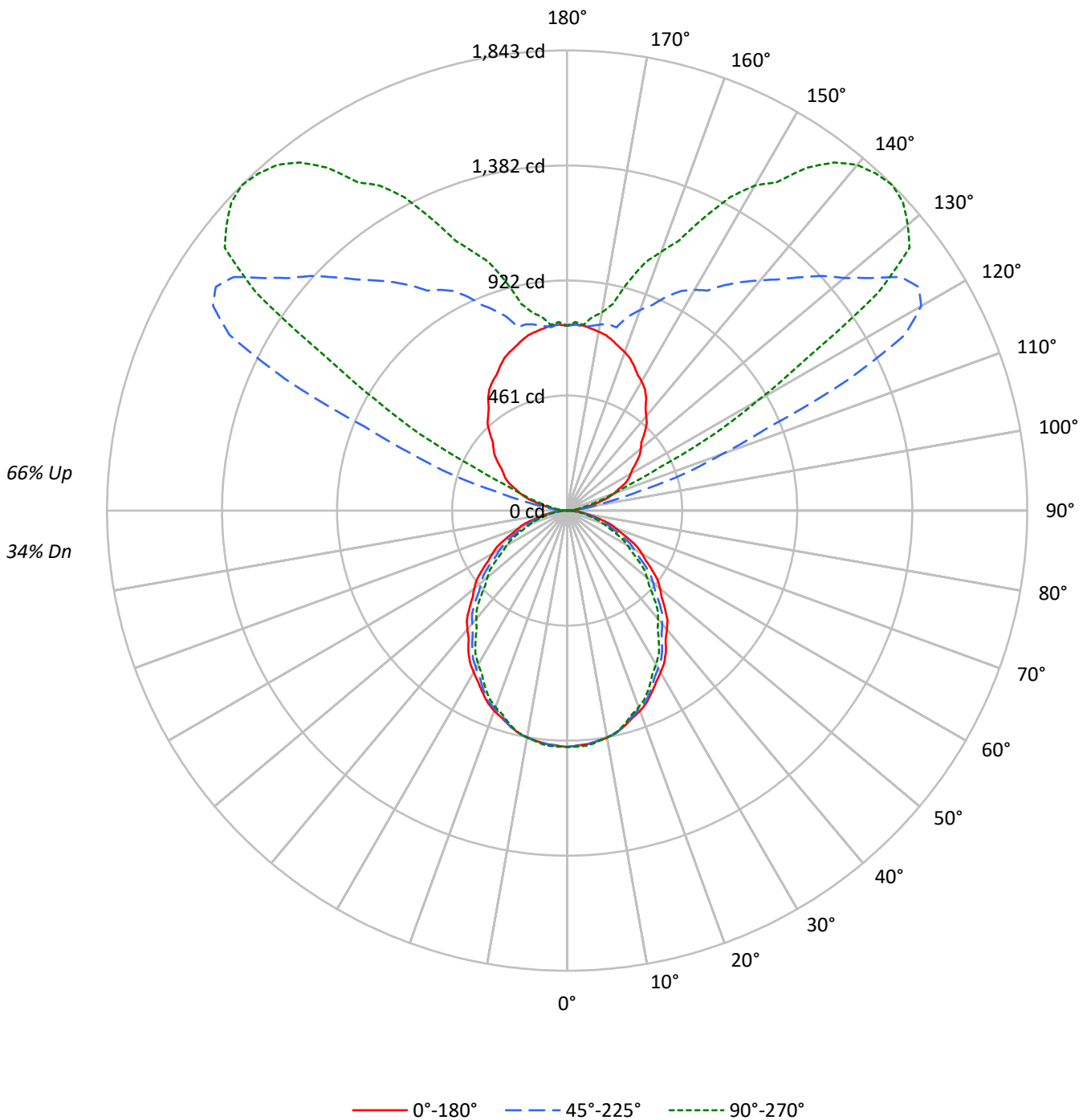
Lumens per Lamp: N/A
Luminaire Lumens: 6621.2 lumens
Efficiency: N/A
Efficacy: 163.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 40.4
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

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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	0
RCR																		
0	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42	34
1	94	90	86	83	85	82	78	76	65	63	61	51	49	48	37	36	35	29
2	86	79	73	68	77	71	66	62	57	54	51	45	42	40	33	31	30	25
3	78	69	62	57	71	63	57	52	51	46	43	39	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	23	21	19	16
6	61	49	41	36	55	45	38	33	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	34	29	33	28	24	26	22	20	19	17	15	12
8	52	40	32	27	47	37	30	25	30	25	21	24	20	17	18	15	14	11
9	48	36	29	24	44	33	27	23	27	22	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°	10712	10712	10712
5°	10660	10668	10730
10°	10614	10599	10599
15°	10451	10451	10388
20°	10282	10176	10088
25°	10022	9896	9720
30°	9776	9522	9293
35°	9520	9166	8841
40°	9177	8739	8361
45°	8865	8359	7842
50°	8544	7905	7338
55°	8196	7466	6857
60°	7821	7015	6314
65°	7381	6498	5743
70°	6874	5895	5114
75°	6230	5172	4555
80°	5434	4340	4033
85°	4193	3661	3661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8865 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.3	1.3
10°-20°	250.9	3.8
20°-30°	364.6	5.5
30°-40°	414.5	6.3
40°-50°	402.4	6.1
50°-60°	339.7	5.1
60°-70°	241.7	3.7
70°-80°	129.1	2.0
80°-90°	34.1	0.5
90°-100°	50.1	0.8
100°-110°	262.4	4.0
110°-120°	660.5	10.0
120°-130°	1018.9	15.4
130°-140°	932.8	14.1
140°-150°	688.4	10.4
150°-160°	438.8	6.6
160°-170°	231.0	3.5
170°-180°	71.9	1.1
0°-30°	704.8	10.6
0°-40°	1119.3	16.9
0°-60°	1861.5	28.1
0°-90°	2266.5	34.2
90°-120°	972.9	14.7
90°-150°	3613.0	54.6
90°-180°	4355.0	65.8
0°-180°	6621.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	947	947	947	947	947	
5°	939	950	939	938	945	89
15°	892	900	892	887	887	251
25°	803	805	793	782	779	370
35°	689	683	664	644	640	429
45°	554	546	522	497	490	427
55°	416	404	378	354	348	371
65°	276	266	243	221	214	273
75°	142	135	118	106	104	152
85°	32	30	28	28	28	38
90°	0	0	0	0	0	2
95°	26	74	29	16	16	33
105°	134	414	300	123	101	143
115°	254	519	1246	542	411	248
125°	339	524	1631	1644	1520	303
135°	437	584	1321	1801	1843	338
145°	551	637	1102	1533	1676	343
155°	636	684	946	1170	1292	293
165°	704	724	760	888	949	199
175°	744	760	737	740	747	70
180°	740	740	740	740	740	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	946.7	946.7	946.7	946.7	946.7
2.5°	941.8	951.3	942.9	944.0	946.1
5°	938.6	950.4	939.3	938.1	944.7
7.5°	931.3	942.1	930.5	927.8	933.8
10°	923.8	935.6	922.5	919.2	922.5
12.5°	910.4	922.7	912.2	906.8	909.6
15°	892.2	900.1	892.2	886.8	886.8
17.5°	870.0	878.3	863.4	859.6	858.2
20°	853.9	861.1	845.1	839.7	837.8
22.5°	832.4	839.1	825.8	816.6	814.1
25°	802.8	805.4	792.7	781.9	778.6
27.5°	773.1	773.7	756.3	743.1	738.8
30°	748.3	749.0	728.8	714.6	711.3
32.5°	723.6	721.6	702.5	685.6	683.4
35°	689.2	682.6	663.6	644.0	640.1
37.5°	647.6	643.7	621.3	601.6	595.7
40°	621.3	614.7	591.7	572.0	566.1
42.5°	594.9	587.3	563.7	541.9	535.5
45°	554.0	545.5	522.4	497.4	490.1
47.5°	512.9	503.5	478.2	453.9	445.9
50°	485.4	475.6	449.1	425.4	416.9
52.5°	457.5	447.1	420.6	396.4	389.4
55°	415.5	404.3	378.5	354.2	347.6
57.5°	373.6	362.5	336.8	313.8	305.9
60°	345.6	335.1	310.0	286.9	279.0
62.5°	317.1	307.1	282.5	260.0	252.7
65°	275.7	265.8	242.7	221.1	214.5
67.5°	234.7	226.2	203.5	183.6	178.3
70°	207.8	199.9	178.2	159.9	154.6
72.5°	181.9	173.5	152.9	137.3	133.7
75°	142.5	134.6	118.3	106.2	104.2
77.5°	106.5	100.1	85.9	79.0	78.0
80°	83.4	77.5	66.6	61.9	61.9
82.5°	61.9	57.0	49.9	47.9	47.9
85°	32.3	29.6	28.2	28.2	28.2
87.5°	9.7	9.7	9.1	8.6	8.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	7.8	18.0	5.2	2.7	5.2
95°	26.1	73.9	29.4	16.3	16.3
97.5°	54.1	165.1	75.7	40.4	36.5
100°	75.0	234.5	117.4	58.6	52.2
102.5°	98.5	303.9	177.4	79.3	67.8
105°	133.7	414.4	300.1	123.4	101.1
107.5°	172.9	489.9	494.5	190.3	153.3
110°	199.0	521.1	658.8	249.8	192.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	222.4	529.2	878.0	340.7	262.9
115°	254.4	519.1	1245.9	541.7	411.0
117.5°	277.9	494.1	1525.1	861.8	664.7
120°	293.5	494.5	1637.3	1104.0	883.9
122.5°	311.8	497.4	1668.6	1344.4	1142.2
125°	339.2	524.2	1630.8	1644.3	1519.9
127.5°	366.6	543.9	1529.1	1767.6	1728.7
130°	384.9	557.1	1448.2	1809.6	1780.8
132.5°	403.1	570.2	1390.8	1810.5	1825.2
135°	437.1	583.8	1321.0	1801.4	1842.8
137.5°	471.6	600.5	1255.7	1744.3	1830.4
140°	492.5	613.7	1203.5	1682.6	1806.9
142.5°	516.0	624.4	1154.0	1625.3	1757.4
145°	551.2	637.3	1102.4	1533.0	1676.5
147.5°	578.6	644.3	1044.4	1439.8	1558.4
150°	596.9	644.7	1020.9	1356.9	1503.6
152.5°	612.5	657.8	992.2	1280.9	1414.9
155°	636.0	683.9	945.9	1170.4	1291.6
157.5°	659.5	705.4	891.1	1088.0	1170.3
160°	675.2	713.4	854.5	1048.2	1102.4
162.5°	688.2	721.4	815.4	980.5	1042.4
165°	704.5	723.6	760.0	888.5	949.1
167.5°	719.5	729.1	764.5	798.3	847.4
170°	727.3	736.9	756.7	789.7	805.6
172.5°	735.2	749.8	746.3	768.7	782.1
175°	743.7	759.6	737.1	740.5	746.9
177.5°	745.6	753.3	748.2	748.4	756.0
180°	740.4	740.4	740.4	740.4	740.4



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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	13.72	14.45	14.80	15.53	17.01	12.64	13.37	13.72	14.45	15.93
	3H	15.37	16.03	16.47	17.12	18.62	14.04	14.69	15.14	15.79	17.28
	4H	16.00	16.62	17.10	17.71	19.21	14.55	15.17	15.66	16.26	17.77
	6H	16.38	16.95	17.49	18.04	19.56	14.87	15.43	15.98	16.53	18.05
	8H	16.51	17.05	17.63	18.16	19.67	14.98	15.53	16.10	16.64	18.15
	12H	16.57	17.09	17.69	18.19	19.72	15.06	15.57	16.18	16.67	18.21
4H	2H	14.11	14.73	15.22	15.82	17.32	13.25	13.87	14.36	14.96	16.47
	3H	15.99	16.50	17.10	17.62	19.14	14.86	15.37	15.97	16.49	18.01
	4H	16.73	17.20	17.85	18.31	19.85	15.46	15.93	16.58	17.04	18.58
	6H	17.23	17.63	18.35	18.76	20.29	15.86	16.27	16.99	17.40	18.93
	8H	17.41	17.79	18.54	18.92	20.46	16.03	16.41	17.16	17.53	19.08
	12H	17.50	17.85	18.65	18.98	20.53	16.13	16.47	17.27	17.61	19.16
8H	4H	16.85	17.23	17.98	18.35	19.90	15.71	16.09	16.84	17.21	18.76
	6H	17.46	17.78	18.61	18.94	20.48	16.23	16.55	17.38	17.71	19.25
	8H	17.74	18.01	18.89	19.16	20.72	16.48	16.76	17.64	17.90	19.47
	12H	17.90	18.14	19.05	19.28	20.88	16.65	16.89	17.81	18.04	19.63
12H	4H	16.82	17.16	17.96	18.29	19.84	15.71	16.05	16.85	17.18	18.73
	6H	17.48	17.75	18.63	18.90	20.46	16.29	16.56	17.44	17.71	19.27
	8H	17.77	18.01	18.93	19.15	20.75	16.57	16.81	17.72	17.95	19.55