

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: P1439437

Luminaire Tested: CB3-B-085U-030D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439437
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-030D-935-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

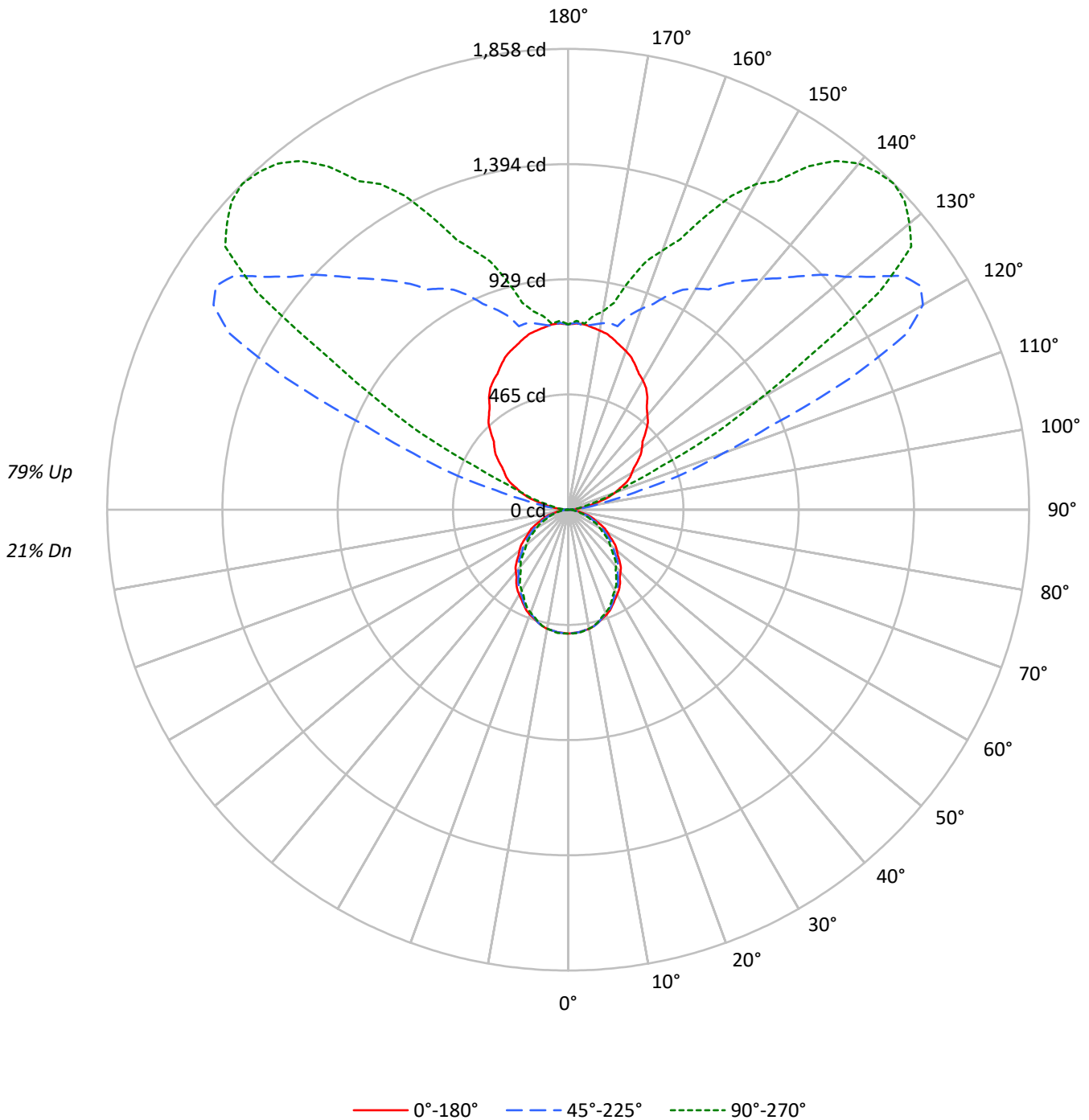
Lumens per Lamp: N/A
Luminaire Lumens: 5586.7 lumens
Efficiency: N/A
Efficacy: 172.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 32.4
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				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	100	100	100	100	89	89	89	89	67	67	67	48	48	48	30	30	30	21
1	91	87	84	80	81	78	74	72	59	57	55	42	41	40	26	26	25	18
2	83	76	71	66	74	68	63	59	52	49	46	37	35	33	23	22	21	15
3	76	67	60	55	67	60	54	49	46	42	39	33	30	28	21	19	18	13
4	69	59	52	46	61	53	46	42	41	36	33	29	26	24	19	17	16	11
5	64	53	45	39	56	47	40	36	36	32	28	26	23	21	17	15	14	10
6	58	47	39	34	52	42	35	31	32	28	24	24	20	18	15	13	12	9
7	54	42	35	29	48	38	31	27	29	25	21	21	18	16	14	12	11	8
8	50	38	31	26	44	34	28	23	27	22	19	19	16	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	16	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5653	5653	5653
5°	5627	5630	5663
10°	5602	5593	5593
15°	5516	5516	5482
20°	5427	5370	5323
25°	5290	5223	5130
30°	5159	5026	4905
35°	5024	4837	4666
40°	4843	4613	4413
45°	4679	4412	4140
50°	4510	4172	3873
55°	4326	3941	3620
60°	4128	3702	3333
65°	3895	3430	3031
70°	3626	3110	2699
75°	3287	2732	2404
80°	2867	2287	2124
85°	2207	1934	1934

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4679 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.1	0.8
10°-20°	132.4	2.4
20°-30°	192.4	3.4
30°-40°	218.8	3.9
40°-50°	212.4	3.8
50°-60°	179.3	3.2
60°-70°	127.6	2.3
70°-80°	68.2	1.2
80°-90°	18.0	0.3
90°-100°	50.5	0.9
100°-110°	264.5	4.7
110°-120°	665.9	11.9
120°-130°	1027.3	18.4
130°-140°	940.4	16.8
140°-150°	694.1	12.4
150°-160°	442.4	7.9
160°-170°	232.9	4.2
170°-180°	72.5	1.3
0°-30°	372.0	6.7
0°-40°	590.7	10.6
0°-60°	982.4	17.6
0°-90°	1196.1	21.4
90°-120°	980.9	17.6
90°-150°	3642.7	65.2
90°-180°	4391.0	78.6
0°-180°	5586.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	500	500	500	500	500	
5°	495	502	496	495	499	47
15°	471	475	471	468	468	133
25°	424	425	418	413	411	195
35°	364	360	350	340	338	227
45°	292	288	276	262	259	226
55°	219	213	200	187	184	196
65°	146	140	128	117	113	144
75°	75	71	62	56	55	80
85°	17	16	15	15	15	20
90°	0	0	0	0	0	2
95°	26	74	30	16	16	33
105°	135	418	302	124	102	144
115°	256	523	1256	546	414	250
125°	342	528	1644	1658	1532	306
135°	441	589	1332	1816	1858	340
145°	556	643	1112	1546	1690	345
155°	641	690	954	1180	1302	296
165°	710	730	766	896	957	200
175°	750	766	743	747	753	71
180°	746	746	746	746	746	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	499.6	499.6	499.6	499.6	499.6
2.5°	497.1	502.1	497.6	498.2	499.3
5°	495.4	501.6	495.7	495.1	498.6
7.5°	491.5	497.2	491.1	489.7	492.8
10°	487.6	493.8	486.8	485.1	486.8
12.5°	480.5	487.0	481.5	478.6	480.0
15°	470.9	475.0	470.9	468.0	468.0
17.5°	459.2	463.5	455.7	453.7	452.9
20°	450.7	454.5	446.0	443.2	442.1
22.5°	439.3	442.8	435.8	431.0	429.6
25°	423.7	425.1	418.4	412.6	410.9
27.5°	408.0	408.3	399.1	392.2	389.9
30°	394.9	395.3	384.7	377.2	375.4
32.5°	381.9	380.8	370.7	361.8	360.7
35°	363.7	360.2	350.2	339.9	337.8
37.5°	341.8	339.7	327.9	317.5	314.4
40°	327.9	324.4	312.3	301.9	298.8
42.5°	314.0	309.9	297.5	286.0	282.6
45°	292.4	287.9	275.7	262.5	258.7
47.5°	270.7	265.7	252.4	239.6	235.3
50°	256.2	251.0	237.0	224.5	220.0
52.5°	241.4	236.0	222.0	209.2	205.5
55°	219.3	213.4	199.8	186.9	183.5
57.5°	197.2	191.3	177.8	165.6	161.5
60°	182.4	176.8	163.6	151.4	147.3
62.5°	167.3	162.1	149.1	137.2	133.4
65°	145.5	140.3	128.1	116.7	113.2
67.5°	123.8	119.4	107.4	96.9	94.1
70°	109.6	105.5	94.0	84.4	81.6
72.5°	96.0	91.6	80.7	72.5	70.5
75°	75.2	71.1	62.5	56.0	55.0
77.5°	56.2	52.8	45.3	41.7	41.2
80°	44.0	40.9	35.1	32.6	32.6
82.5°	32.6	30.1	26.3	25.3	25.3
85°	17.0	15.6	14.9	14.9	14.9
87.5°	5.1	5.1	4.8	4.5	4.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	7.9	18.2	5.3	2.7	5.3
95°	26.3	74.5	29.6	16.4	16.4
97.5°	54.6	166.5	76.3	40.7	36.8
100°	75.6	236.4	118.4	59.0	52.6
102.5°	99.3	306.4	178.9	80.0	68.4
105°	134.8	417.8	302.5	124.4	101.9
107.5°	174.3	493.9	498.5	191.9	154.6
110°	200.6	525.3	664.3	251.9	194.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	224.3	533.6	885.3	343.5	265.0
115°	256.5	523.4	1256.2	546.2	414.3
117.5°	280.2	498.2	1537.7	868.9	670.2
120°	296.0	498.5	1650.8	1113.0	891.2
122.5°	314.4	501.5	1682.4	1355.5	1151.6
125°	342.0	528.5	1644.2	1657.8	1532.4
127.5°	369.6	548.4	1541.6	1782.1	1742.9
130°	388.0	561.7	1460.1	1824.4	1795.5
132.5°	406.5	574.9	1402.2	1825.4	1840.2
135°	440.7	588.6	1331.8	1816.2	1858.0
137.5°	475.5	605.4	1266.1	1758.7	1845.5
140°	496.6	618.7	1213.4	1696.4	1821.8
142.5°	520.2	629.6	1163.5	1638.7	1771.8
145°	555.7	642.6	1111.5	1545.6	1690.3
147.5°	583.4	649.6	1053.0	1451.6	1571.2
150°	601.8	650.0	1029.3	1368.1	1516.0
152.5°	617.6	663.2	1000.3	1291.5	1426.5
155°	641.2	689.5	953.7	1180.0	1302.2
157.5°	664.9	711.2	898.4	1096.9	1179.9
160°	680.7	719.3	861.6	1056.8	1111.5
162.5°	693.9	727.3	822.1	988.6	1051.0
165°	710.3	729.6	766.2	895.8	956.9
167.5°	725.4	735.1	770.8	804.8	854.3
170°	733.3	743.0	762.9	796.2	812.2
172.5°	741.2	756.0	752.4	775.1	788.6
175°	749.8	765.8	743.2	746.6	753.1
177.5°	751.7	759.5	754.4	754.5	762.3
180°	746.5	746.5	746.5	746.5	746.5

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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	9.60	10.25	10.77	11.41	13.03	8.53	9.17	9.70	10.33	11.96
	3H	11.25	11.83	12.43	13.00	14.64	9.92	10.50	11.10	11.66	13.31
	4H	11.87	12.43	13.06	13.59	15.23	10.43	10.98	11.62	12.14	13.79
	6H	12.25	12.76	13.44	13.92	15.58	10.74	11.24	11.93	12.41	14.07
	8H	12.38	12.86	13.57	14.04	15.69	10.85	11.34	12.05	12.51	14.16
	12H	12.44	12.90	13.64	14.07	15.74	10.92	11.38	12.12	12.55	14.22
4H	2H	9.99	10.54	11.18	11.70	13.35	9.13	9.68	10.32	10.84	12.49
	3H	11.86	12.31	13.05	13.50	15.16	10.73	11.19	11.92	12.37	14.03
	4H	12.60	13.02	13.79	14.19	15.87	11.32	11.75	12.52	12.92	14.60
	6H	13.09	13.45	14.29	14.64	16.31	11.72	12.09	12.93	13.28	14.95
	8H	13.27	13.61	14.47	14.80	16.48	11.89	12.23	13.09	13.41	15.10
	12H	13.36	13.67	14.58	14.86	16.55	11.98	12.29	13.20	13.49	15.18
8H	4H	12.71	13.05	13.91	14.23	15.92	11.57	11.91	12.77	13.09	14.78
	6H	13.32	13.60	14.54	14.83	16.51	12.09	12.37	13.31	13.60	15.28
	8H	13.59	13.83	14.82	15.04	16.74	12.34	12.58	13.56	13.79	15.49
	12H	13.75	13.96	14.97	15.16	16.89	12.51	12.72	13.73	13.92	15.65
12H	4H	12.67	12.98	13.89	14.18	15.86	11.56	11.87	12.78	13.07	14.75
	6H	13.33	13.57	14.56	14.78	16.48	12.14	12.38	13.37	13.59	15.29
	8H	13.62	13.83	14.85	15.04	16.77	12.42	12.63	13.64	13.83	15.56