

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: P1439433

Luminaire Tested: CB3-B-085U-030D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439433
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-927-1D-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: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

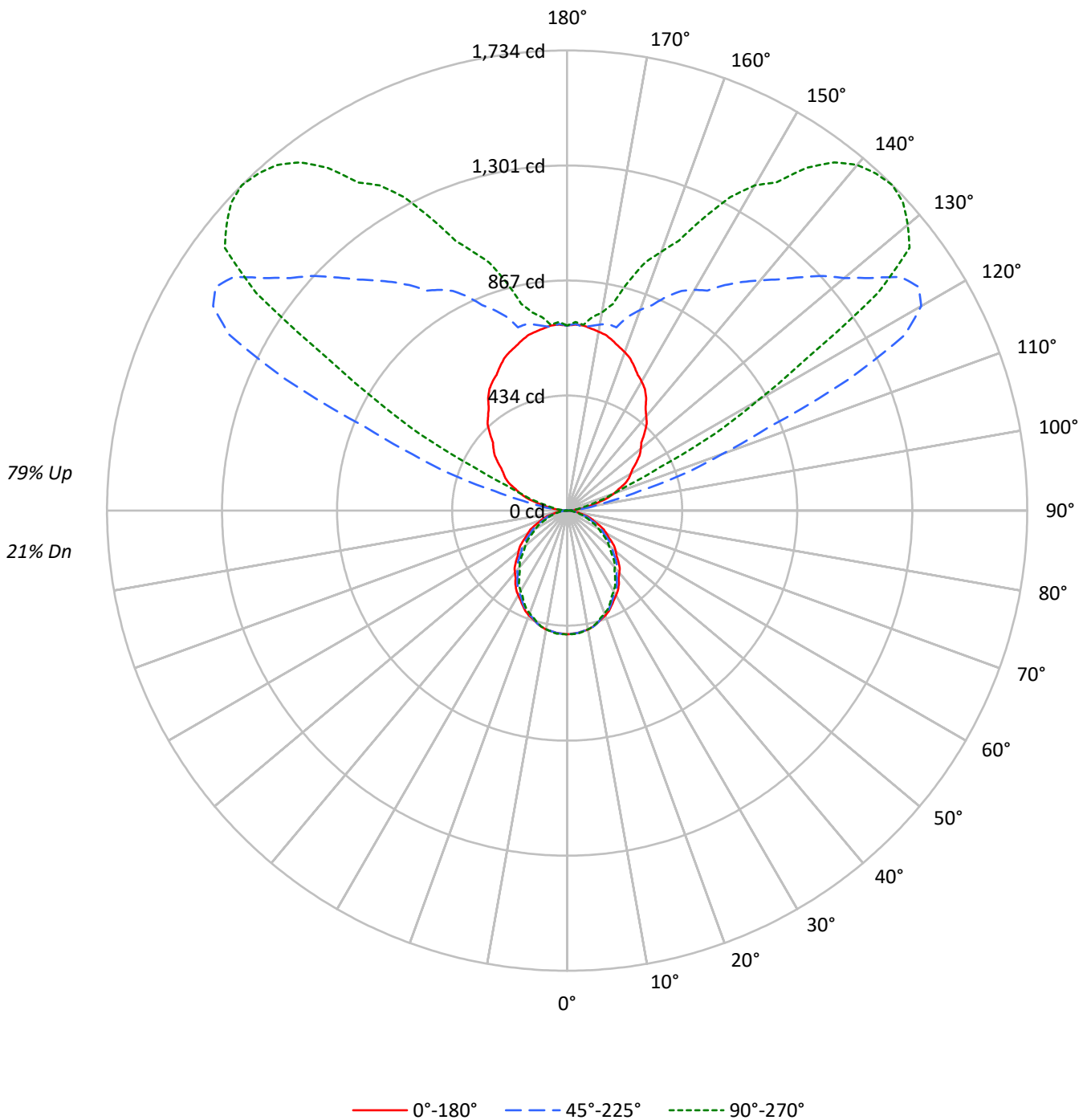
Lumens per Lamp: N/A
Luminaire Lumens: 5213.9 lumens
Efficiency: N/A
Efficacy: 160.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 32.4
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										
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	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°	5276	5276	5276
5°	5251	5254	5285
10°	5228	5221	5221
15°	5147	5147	5117
20°	5064	5013	4968
25°	4936	4874	4788
30°	4816	4690	4578
35°	4688	4515	4355
40°	4520	4304	4118
45°	4367	4117	3863
50°	4209	3894	3614
55°	4038	3677	3377
60°	3851	3455	3109
65°	3636	3199	2827
70°	3384	2905	2521
75°	3069	2549	2243
80°	2678	2137	1987
85°	2064	1805	1805

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4367 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.0	0.8
10°-20°	123.6	2.4
20°-30°	179.6	3.4
30°-40°	204.2	3.9
40°-50°	198.2	3.8
50°-60°	167.3	3.2
60°-70°	119.1	2.3
70°-80°	63.6	1.2
80°-90°	16.8	0.3
90°-100°	47.1	0.9
100°-110°	246.9	4.7
110°-120°	621.4	11.9
120°-130°	958.7	18.4
130°-140°	877.7	16.8
140°-150°	647.7	12.4
150°-160°	412.9	7.9
160°-170°	217.4	4.2
170°-180°	67.7	1.3
0°-30°	347.2	6.7
0°-40°	551.3	10.6
0°-60°	916.8	17.6
0°-90°	1116.3	21.4
90°-120°	915.4	17.6
90°-150°	3399.6	65.2
90°-180°	4098.0	78.6
0°-180°	5213.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	466	466	466	466	466	
5°	462	468	463	462	465	44
15°	439	443	439	437	437	124
25°	395	397	390	385	384	182
35°	339	336	327	317	315	212
45°	273	269	257	245	241	210
55°	205	199	186	174	171	183
65°	136	131	120	109	106	134
75°	70	66	58	52	51	75
85°	16	15	14	14	14	19
90°	0	0	0	0	0	2
95°	25	70	28	15	15	31
105°	126	390	282	116	95	134
115°	239	488	1172	510	387	233
125°	319	493	1534	1547	1430	286
135°	411	549	1243	1695	1734	318
145°	519	600	1037	1442	1577	322
155°	598	644	890	1101	1215	276
165°	663	681	715	836	893	187
175°	700	715	694	697	703	66
180°	697	697	697	697	697	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	466.3	466.3	466.3	466.3	466.3
2.5°	463.9	468.6	464.4	465.0	466.0
5°	462.3	468.1	462.6	462.0	465.3
7.5°	458.7	464.0	458.3	457.0	459.9
10°	455.0	460.8	454.4	452.7	454.4
12.5°	448.4	454.5	449.3	446.6	448.0
15°	439.4	443.3	439.4	436.8	436.8
17.5°	428.5	432.6	425.3	423.4	422.7
20°	420.6	424.1	416.3	413.6	412.6
22.5°	410.0	413.3	406.7	402.2	401.0
25°	395.4	396.7	390.4	385.1	383.5
27.5°	380.8	381.1	372.5	366.0	363.9
30°	368.6	368.9	359.0	352.0	350.4
32.5°	356.4	355.4	346.0	337.7	336.6
35°	339.4	336.2	326.9	317.2	315.3
37.5°	319.0	317.0	306.0	296.3	293.4
40°	306.0	302.8	291.4	281.8	278.8
42.5°	293.0	289.3	277.6	266.9	263.7
45°	272.9	268.7	257.3	245.0	241.4
47.5°	252.6	248.0	235.5	223.6	219.6
50°	239.1	234.2	221.2	209.5	205.3
52.5°	225.3	220.2	207.2	195.2	191.8
55°	204.7	199.2	186.4	174.4	171.2
57.5°	184.0	178.6	165.9	154.6	150.7
60°	170.2	165.0	152.7	141.3	137.4
62.5°	156.2	151.3	139.2	128.1	124.4
65°	135.8	130.9	119.5	108.9	105.6
67.5°	115.6	111.4	100.2	90.4	87.8
70°	102.3	98.4	87.8	78.8	76.2
72.5°	89.6	85.5	75.3	67.6	65.8
75°	70.2	66.3	58.3	52.3	51.3
77.5°	52.5	49.3	42.3	38.9	38.4
80°	41.1	38.1	32.8	30.5	30.5
82.5°	30.5	28.1	24.6	23.6	23.6
85°	15.9	14.6	13.9	13.9	13.9
87.5°	4.8	4.8	4.5	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	7.4	17.0	4.9	2.5	4.9
95°	24.6	69.6	27.6	15.3	15.3
97.5°	50.9	155.4	71.2	38.0	34.4
100°	70.6	220.6	110.5	55.1	49.1
102.5°	92.7	285.9	167.0	74.6	63.8
105°	125.8	389.9	282.3	116.1	95.1
107.5°	162.7	460.9	465.3	179.0	144.2
110°	187.2	490.3	619.9	235.1	181.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	209.3	498.0	826.2	320.6	247.4
115°	239.4	488.4	1172.3	509.7	386.7
117.5°	261.5	464.9	1435.0	810.9	625.5
120°	276.2	465.3	1540.6	1038.7	831.7
122.5°	293.4	468.0	1570.1	1265.0	1074.7
125°	319.2	493.2	1534.5	1547.2	1430.1
127.5°	345.0	511.8	1438.7	1663.2	1626.5
130°	362.1	524.2	1362.6	1702.7	1675.7
132.5°	379.3	536.6	1308.6	1703.6	1717.4
135°	411.2	549.3	1242.9	1695.0	1734.0
137.5°	443.8	565.0	1181.5	1641.3	1722.3
140°	463.4	577.4	1132.4	1583.2	1700.2
142.5°	485.5	587.5	1085.8	1529.3	1653.6
145°	518.7	599.7	1037.3	1442.4	1577.4
147.5°	544.4	606.2	982.7	1354.7	1466.3
150°	561.6	606.6	960.6	1276.8	1414.8
152.5°	576.4	619.0	933.6	1205.3	1331.3
155°	598.4	643.5	890.0	1101.3	1215.3
157.5°	620.5	663.8	838.4	1023.7	1101.1
160°	635.3	671.3	804.1	986.3	1037.3
162.5°	647.6	678.8	767.2	922.6	980.8
165°	662.9	680.9	715.1	836.1	893.1
167.5°	677.0	686.0	719.4	751.1	797.3
170°	684.4	693.4	712.0	743.0	758.0
172.5°	691.7	705.5	702.2	723.3	735.9
175°	699.7	714.7	693.6	696.8	702.8
177.5°	701.6	708.8	704.0	704.2	711.4
180°	696.7	696.7	696.7	696.7	696.7



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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	9.37	10.01	10.54	11.17	12.80	8.29	8.94	9.46	10.09	11.72
	3H	11.01	11.59	12.19	12.76	14.40	9.68	10.26	10.86	11.43	13.07
	4H	11.63	12.19	12.82	13.35	15.00	10.19	10.74	11.38	11.90	13.55
	6H	12.01	12.52	13.20	13.68	15.34	10.50	11.00	11.69	12.17	13.83
	8H	12.14	12.62	13.34	13.80	15.45	10.61	11.10	11.81	12.27	13.92
	12H	12.20	12.66	13.40	13.83	15.50	10.68	11.14	11.88	12.31	13.98
4H	2H	9.75	10.30	10.94	11.46	13.11	8.89	9.44	10.08	10.60	12.25
	3H	11.62	12.08	12.81	13.26	14.92	10.49	10.95	11.68	12.13	13.79
	4H	12.36	12.78	13.55	13.95	15.63	11.08	11.51	12.28	12.68	14.36
	6H	12.85	13.21	14.05	14.40	16.07	11.48	11.85	12.69	13.04	14.71
	8H	13.03	13.37	14.23	14.56	16.24	11.65	11.99	12.85	13.18	14.86
	12H	13.12	13.43	14.34	14.63	16.31	11.75	12.05	12.96	13.25	14.94
8H	4H	12.47	12.81	13.67	13.99	15.68	11.33	11.67	12.53	12.85	14.54
	6H	13.08	13.36	14.30	14.59	16.27	11.85	12.13	13.07	13.36	15.04
	8H	13.35	13.59	14.58	14.80	16.50	12.10	12.34	13.32	13.55	15.25
	12H	13.51	13.72	14.74	14.92	16.66	12.27	12.48	13.49	13.68	15.41
12H	4H	12.43	12.74	13.65	13.94	15.62	11.32	11.63	12.54	12.83	14.51
	6H	13.09	13.34	14.32	14.54	16.24	11.90	12.15	13.13	13.35	15.05
	8H	13.38	13.60	14.61	14.80	16.53	12.18	12.39	13.41	13.59	15.33