

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: P1439386

Luminaire Tested: CB3-B-030U-085D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439386
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-030U-085D-927-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

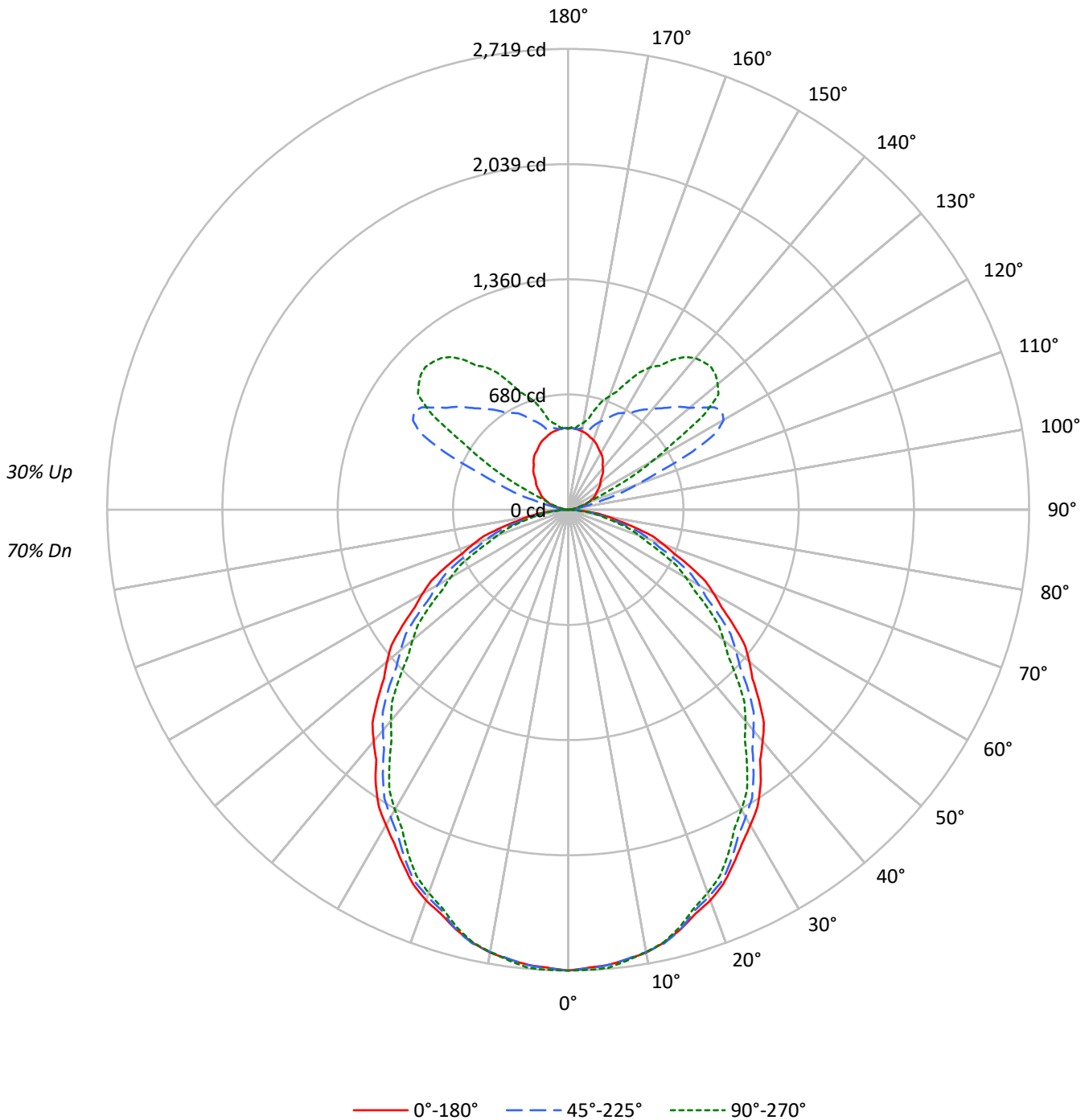
Lumens per Lamp: N/A
Luminaire Lumens: 9323.5 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 69.9
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	50	30	10	50	30	10	0																
RCR																																														
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70																
1	102	98	94	91	97	93	90	86	83	81	78	74	72	71	66	65	63	63	63	63	63	63	63	63	63	63	63	63	63	59																
2	94	86	80	75	88	82	76	71	73	69	65	66	62	59	59	56	54	54	54	54	54	54	54	54	54	54	54	54	54	50																
3	86	76	68	62	81	72	65	60	65	60	55	58	54	50	52	49	46	46	46	46	46	46	46	46	46	46	46	46	46	43																
4	78	67	59	53	74	64	57	51	58	52	47	52	47	44	47	43	40	40	40	40	40	40	40	40	40	40	40	40	40	37																
5	72	60	52	46	68	57	50	44	52	46	41	47	42	38	42	38	35	35	35	35	35	35	35	35	35	35	35	35	35	32																
6	67	54	46	40	63	52	44	39	47	41	36	43	37	33	38	34	31	31	31	31	31	31	31	31	31	31	31	31	31	28																
7	62	49	41	35	58	47	40	34	43	37	32	39	34	30	35	31	28	28	28	28	28	28	28	28	28	28	28	28	28	25																
8	57	45	37	31	54	43	36	31	39	33	29	36	30	27	32	28	25	25	25	25	25	25	25	25	25	25	25	25	25	23																
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	26	22	22	22	22	22	22	22	22	22	22	22	22	22	20																
10	50	38	30	26	48	36	29	25	33	27	23	30	25	22	28	24	20	20	20	20	20	20	20	20	20	20	20	20	20	19																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15383	15383	15383
5°	15311	15322	15409
10°	15244	15221	15221
15°	15010	15010	14920
20°	14766	14615	14487
25°	14394	14213	13960
30°	14042	13676	13348
35°	13672	13165	12698
40°	13179	12551	12009
45°	12732	12006	11264
50°	12272	11354	10539
55°	11772	10724	9848
60°	11232	10073	9069
65°	10599	9333	8247
70°	9872	8466	7347
75°	8949	7430	6542
80°	7803	6229	5789
85°	6017	5264	5264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12732 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.6	2.8
10°-20°	720.8	7.7
20°-30°	1047.2	11.2
30°-40°	1190.6	12.8
40°-50°	1155.8	12.4
50°-60°	975.9	10.5
60°-70°	694.3	7.4
70°-80°	371.0	4.0
80°-90°	98.0	1.1
90°-100°	32.4	0.3
100°-110°	169.5	1.8
110°-120°	426.7	4.6
120°-130°	658.2	7.1
130°-140°	602.6	6.5
140°-150°	444.7	4.8
150°-160°	283.5	3.0
160°-170°	149.2	1.6
170°-180°	46.5	0.5
0°-30°	2024.6	21.7
0°-40°	3215.3	34.5
0°-60°	5347.0	57.3
0°-90°	6510.2	69.8
90°-120°	628.5	6.7
90°-150°	2334.0	25.0
90°-180°	2813.0	30.2
0°-180°	9323.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2719	2719	2719	2719	2719	
5°	2696	2730	2698	2695	2713	256
15°	2563	2586	2563	2547	2547	722
25°	2306	2314	2277	2246	2236	1062
35°	1980	1961	1906	1850	1839	1234
45°	1591	1567	1501	1429	1408	1227
55°	1194	1161	1087	1017	998	1067
65°	792	764	697	635	616	784
75°	409	387	340	305	299	436
85°	93	85	81	81	81	110
90°	0	0	0	0	0	5
95°	17	48	19	10	10	21
105°	86	268	194	80	65	92
115°	164	335	805	350	266	160
125°	219	339	1054	1062	982	196
135°	282	377	853	1164	1190	218
145°	356	412	712	990	1083	221
155°	411	442	611	756	834	189
165°	455	468	491	574	613	128
175°	480	491	476	478	482	45
180°	478	478	478	478	478	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2719.2	2719.2	2719.2	2719.2	2719.2
2.5°	2705.3	2732.5	2708.4	2711.7	2717.7
5°	2696.1	2730.1	2698.0	2694.6	2713.4
7.5°	2675.2	2706.2	2672.9	2665.2	2682.2
10°	2653.6	2687.6	2649.7	2640.3	2649.7
12.5°	2615.0	2650.5	2620.4	2604.7	2612.6
15°	2562.8	2585.5	2562.8	2547.4	2547.4
17.5°	2499.1	2522.9	2480.1	2469.2	2465.1
20°	2452.7	2473.5	2427.6	2412.0	2406.4
22.5°	2390.9	2410.2	2372.0	2345.6	2338.4
25°	2305.9	2313.5	2277.0	2245.9	2236.4
27.5°	2220.6	2222.5	2172.3	2134.6	2122.1
30°	2149.5	2151.4	2093.5	2052.7	2043.3
32.5°	2078.4	2072.8	2017.8	1969.4	1963.0
35°	1979.6	1960.7	1906.2	1849.9	1838.6
37.5°	1860.2	1848.9	1784.5	1728.1	1711.1
40°	1784.5	1765.6	1699.5	1643.1	1626.1
42.5°	1708.8	1686.9	1619.2	1556.6	1538.1
45°	1591.4	1566.8	1500.6	1428.7	1407.9
47.5°	1473.2	1446.4	1373.5	1303.9	1280.8
50°	1394.4	1366.1	1290.1	1221.9	1197.4
52.5°	1314.0	1284.2	1208.2	1138.6	1118.6
55°	1193.5	1161.4	1087.3	1017.4	998.5
57.5°	1073.0	1041.3	967.6	901.4	878.7
60°	992.7	962.5	890.3	824.1	801.5
62.5°	910.8	882.1	811.5	746.9	725.8
65°	791.8	763.5	697.2	635.0	616.1
67.5°	674.0	649.8	584.4	527.3	512.2
70°	596.8	574.1	511.8	459.3	444.2
72.5°	522.6	498.4	439.2	394.5	383.9
75°	409.4	386.8	339.9	305.0	299.3
77.5°	305.9	287.4	246.8	227.0	224.0
80°	239.5	222.5	191.2	177.7	177.7
82.5°	177.7	163.7	143.3	137.5	137.5
85°	92.7	85.1	81.1	81.1	81.1
87.5°	27.8	27.8	26.3	24.7	24.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.1	11.6	3.4	1.7	3.4
95°	16.9	47.8	19.0	10.5	10.5
97.5°	35.0	106.7	48.9	26.1	23.6
100°	48.5	151.5	75.9	37.8	33.7
102.5°	63.6	196.3	114.6	51.2	43.8
105°	86.4	267.7	193.8	79.7	65.3
107.5°	111.7	316.5	319.4	122.9	99.0
110°	128.5	336.6	425.6	161.4	124.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	143.7	341.9	567.2	220.1	169.8
115°	164.4	335.4	804.9	350.0	265.5
117.5°	179.5	319.2	985.3	556.7	429.4
120°	189.6	319.4	1057.7	713.2	571.0
122.5°	201.4	321.3	1078.0	868.5	737.9
125°	219.1	338.6	1053.5	1062.2	981.9
127.5°	236.8	351.4	987.8	1141.9	1116.7
130°	248.6	359.9	935.5	1169.0	1150.5
132.5°	260.4	368.4	898.5	1169.6	1179.1
135°	282.3	377.1	853.4	1163.7	1190.5
137.5°	304.7	387.9	811.2	1126.9	1182.5
140°	318.2	396.5	777.5	1087.0	1167.3
142.5°	333.3	403.4	745.5	1050.0	1135.3
145°	356.1	411.7	712.2	990.3	1083.0
147.5°	373.8	416.2	674.7	930.1	1006.8
150°	385.6	416.5	659.5	876.6	971.4
152.5°	395.7	425.0	641.0	827.5	914.0
155°	410.9	441.8	611.0	756.1	834.4
157.5°	426.0	455.7	575.7	702.9	756.0
160°	436.2	460.9	552.1	677.2	712.2
162.5°	444.6	466.0	526.8	633.4	673.4
165°	455.1	467.5	490.9	574.0	613.2
167.5°	464.8	471.0	493.9	515.7	547.4
170°	469.9	476.1	488.8	510.1	520.4
172.5°	474.9	484.4	482.1	496.6	505.3
175°	480.4	490.7	476.2	478.4	482.5
177.5°	481.7	486.6	483.4	483.5	488.4
180°	478.3	478.3	478.3	478.3	478.3



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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	18.31	19.36	19.08	20.15	21.11	17.23	18.29	18.00	19.07	20.03
	3H	19.99	20.94	20.77	21.73	22.72	18.66	19.61	19.44	20.40	21.39
	4H	20.63	21.52	21.43	22.33	23.33	19.18	20.08	19.98	20.88	21.88
	6H	21.02	21.85	21.84	22.66	23.68	19.51	20.34	20.32	21.15	22.16
	8H	21.17	21.95	21.99	22.79	23.80	19.64	20.42	20.46	21.26	22.27
	12H	21.24	21.99	22.07	22.82	23.86	19.72	20.47	20.55	21.30	22.34
4H	2H	18.74	19.63	19.54	20.44	21.44	17.88	18.77	18.68	19.58	20.58
	3H	20.65	21.39	21.46	22.23	23.25	19.52	20.26	20.33	21.10	22.12
	4H	21.40	22.08	22.23	22.92	23.96	20.13	20.81	20.96	21.65	22.69
	6H	21.92	22.50	22.76	23.37	24.41	20.55	21.14	21.40	22.00	23.05
	8H	22.11	22.66	22.96	23.52	24.58	20.73	21.28	21.58	22.14	23.20
	12H	22.22	22.71	23.09	23.59	24.66	20.84	21.34	21.71	22.22	23.28
8H	4H	21.55	22.09	22.40	22.95	24.01	20.41	20.96	21.26	21.81	22.88
	6H	22.17	22.63	23.05	23.53	24.59	20.94	21.40	21.82	22.30	23.36
	8H	22.45	22.85	23.34	23.75	24.83	21.20	21.60	22.09	22.50	23.57
	12H	22.62	22.98	23.51	23.87	25.00	21.38	21.74	22.27	22.62	23.76
12H	4H	21.53	22.02	22.40	22.90	23.97	20.42	20.91	21.29	21.79	22.86
	6H	22.19	22.59	23.08	23.49	24.57	21.00	21.40	21.89	22.30	23.38
	8H	22.50	22.85	23.39	23.74	24.87	21.29	21.65	22.18	22.54	23.67