

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: P1439460

Luminaire Tested: CB3-B-085U-120D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439460
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-120D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

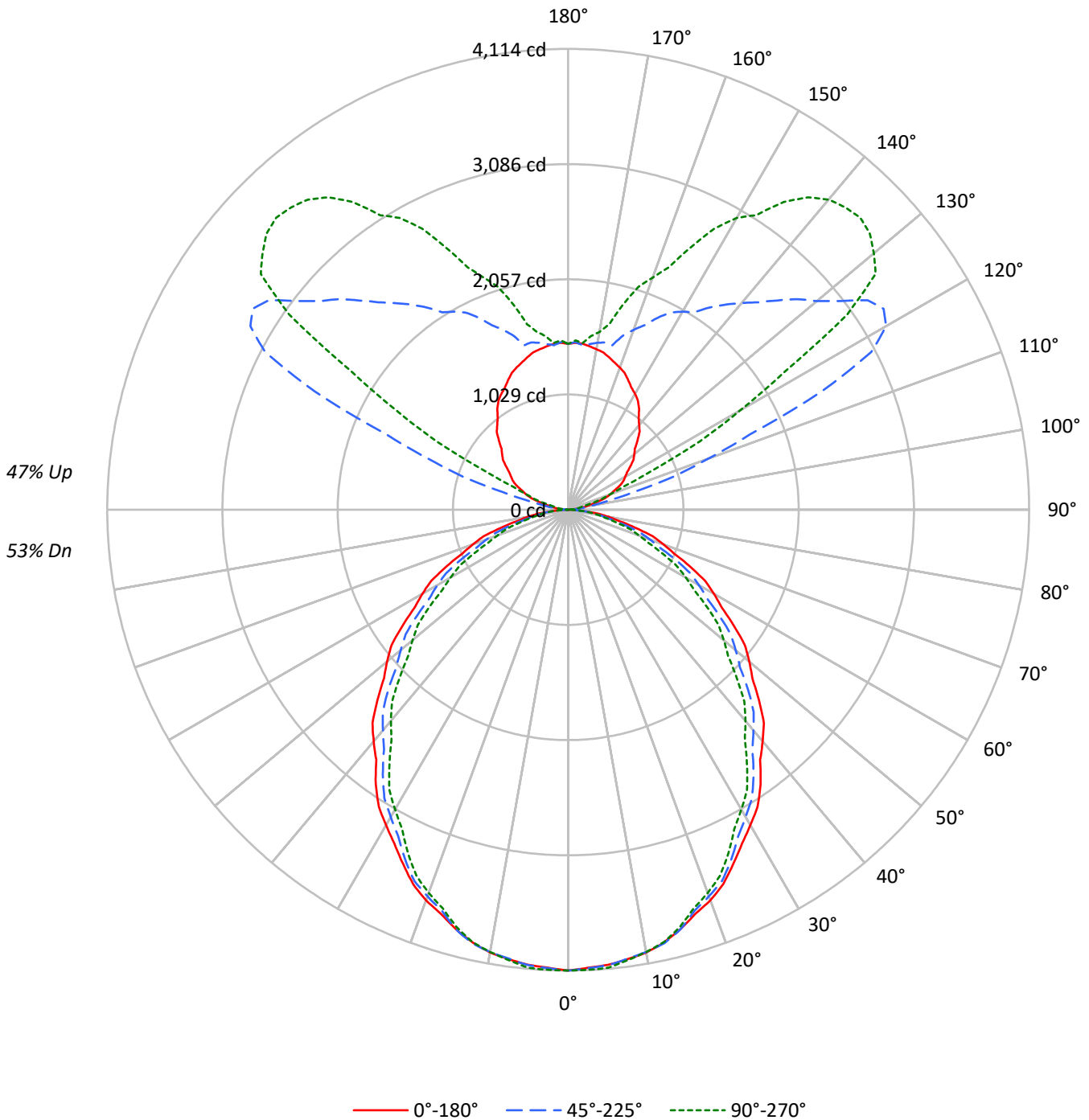
Lumens per Lamp: N/A
Luminaire Lumens: 18559.0 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 133.1
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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	99	94	91	87	91	88	84	81	75	72	70	63	61	60	52	51	50	45
2	90	83	77	71	83	77	72	67	66	62	58	56	53	50	46	44	43	38
3	82	73	66	60	76	68	61	56	58	53	49	49	46	43	41	39	36	32
4	75	65	57	51	70	60	53	48	52	46	42	44	40	37	37	34	32	28
5	69	58	50	44	64	54	47	41	47	41	37	40	35	32	33	30	28	24
6	64	52	44	38	59	48	41	36	42	36	32	36	32	28	30	27	24	22
7	59	47	39	33	55	44	37	32	38	32	28	33	28	25	28	24	22	19
8	55	43	35	30	51	40	33	28	35	29	25	30	26	22	26	22	20	17
9	51	39	31	26	47	37	30	25	32	26	23	28	23	20	24	20	18	16
10	48	36	29	24	44	34	27	23	29	24	20	26	21	18	22	19	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23274	23274	23274
5°	23164	23181	23313
10°	23063	23029	23029
15°	22709	22709	22572
20°	22340	22112	21918
25°	21777	21503	21120
30°	21244	20690	20194
35°	20684	19917	19210
40°	19938	18989	18169
45°	19262	18164	17041
50°	18567	17178	15944
55°	17810	16225	14899
60°	16992	15241	13720
65°	16037	14120	12477
70°	14935	12808	11115
75°	13539	11242	9900
80°	11803	9425	8757
85°	9107	7964	7964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19262 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.2	2.1
10°-20°	1090.5	5.9
20°-30°	1584.4	8.5
30°-40°	1801.4	9.7
40°-50°	1748.7	9.4
50°-60°	1476.4	8.0
60°-70°	1050.4	5.7
70°-80°	561.2	3.0
80°-90°	148.3	0.8
90°-100°	100.1	0.5
100°-110°	524.7	2.8
110°-120°	1320.9	7.1
120°-130°	2037.8	11.0
130°-140°	1865.5	10.1
140°-150°	1376.8	7.4
150°-160°	877.6	4.7
160°-170°	462.0	2.5
170°-180°	143.9	0.8
0°-30°	3063.1	16.5
0°-40°	4864.4	26.2
0°-60°	8089.5	43.6
0°-90°	9849.4	53.1
90°-120°	1945.8	10.5
90°-150°	7226.0	38.9
90°-180°	8710.0	46.9
0°-180°	18559.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4114	4114	4114	4114	4114	
5°	4079	4130	4082	4077	4105	387
15°	3877	3912	3877	3854	3854	1092
25°	3489	3500	3445	3398	3384	1607
35°	2995	2966	2884	2799	2782	1866
45°	2408	2370	2270	2162	2130	1857
55°	1806	1757	1645	1539	1511	1614
65°	1198	1155	1055	961	932	1187
75°	619	585	514	462	453	660
85°	140	129	123	123	123	166
90°	0	0	0	0	0	8
95°	52	148	59	33	33	66
105°	268	829	600	247	202	286
115°	509	1038	2492	1083	822	496
125°	678	1048	3262	3289	3040	607
135°	874	1168	2642	3603	3686	675
145°	1102	1275	2205	3066	3353	685
155°	1272	1368	1892	2341	2583	586
165°	1409	1447	1520	1777	1898	397
175°	1487	1519	1474	1481	1494	141
180°	1481	1481	1481	1481	1481	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4114.0	4114.0	4114.0	4114.0	4114.0
2.5°	4093.0	4134.1	4097.6	4102.5	4111.7
5°	4078.9	4130.4	4081.9	4076.7	4105.2
7.5°	4047.4	4094.2	4043.9	4032.2	4057.9
10°	4014.7	4066.1	4008.8	3994.5	4008.8
12.5°	3956.2	4009.9	3964.4	3940.7	3952.7
15°	3877.3	3911.6	3877.3	3854.0	3854.0
17.5°	3780.9	3816.9	3752.3	3735.8	3729.5
20°	3710.8	3742.2	3672.8	3649.2	3640.7
22.5°	3617.3	3646.4	3588.6	3548.7	3537.8
25°	3488.7	3500.1	3444.9	3397.8	3383.5
27.5°	3359.6	3362.4	3286.5	3229.4	3210.6
30°	3252.0	3254.9	3167.3	3105.6	3091.3
32.5°	3144.5	3136.0	3052.8	2979.5	2969.8
35°	2994.9	2966.4	2883.9	2798.8	2781.6
37.5°	2814.4	2797.2	2699.8	2614.5	2588.8
40°	2699.8	2671.2	2571.3	2485.9	2460.2
42.5°	2585.3	2552.1	2449.7	2355.0	2327.0
45°	2407.6	2370.5	2270.3	2161.5	2130.0
47.5°	2228.8	2188.2	2078.0	1972.6	1937.8
50°	2109.6	2066.7	1951.8	1848.7	1811.6
52.5°	1988.0	1942.9	1827.9	1722.6	1692.4
55°	1805.7	1757.2	1645.0	1539.2	1510.6
57.5°	1623.4	1575.4	1463.9	1363.7	1329.5
60°	1501.8	1456.1	1347.0	1246.9	1212.6
62.5°	1378.0	1334.5	1227.8	1130.0	1098.0
65°	1198.0	1155.1	1054.8	960.6	932.1
67.5°	1019.7	983.2	884.2	797.7	774.9
70°	902.9	868.6	774.3	694.9	672.0
72.5°	790.7	754.1	664.4	596.9	580.9
75°	619.4	585.2	514.3	461.5	452.9
77.5°	462.8	434.8	373.4	343.5	338.9
80°	362.3	336.6	289.3	268.8	268.8
82.5°	268.8	247.7	216.8	208.0	208.0
85°	140.3	128.8	122.7	122.7	122.7
87.5°	42.1	42.1	39.7	37.4	37.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	15.7	36.1	10.4	5.3	10.4
95°	52.2	147.9	58.7	32.6	32.6
97.5°	108.3	330.3	151.3	80.7	73.1
100°	150.0	468.9	234.8	117.1	104.4
102.5°	197.0	607.8	354.9	158.6	135.7
105°	267.5	828.7	600.1	246.9	202.2
107.5°	345.7	979.7	988.9	380.6	306.6
110°	397.9	1042.1	1317.7	499.7	384.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	444.9	1058.5	1756.1	681.4	525.8
115°	508.8	1038.2	2491.9	1083.4	821.9
117.5°	555.8	988.2	3050.3	1723.6	1329.4
120°	587.1	988.9	3274.7	2207.9	1767.8
122.5°	623.6	994.8	3337.3	2688.8	2284.4
125°	678.4	1048.4	3261.6	3288.6	3039.8
127.5°	733.2	1087.8	3058.1	3535.1	3457.3
130°	769.7	1114.2	2896.3	3619.1	3561.7
132.5°	806.3	1140.5	2781.5	3621.1	3650.4
135°	874.1	1167.5	2641.9	3602.7	3685.6
137.5°	943.3	1200.9	2511.5	3488.6	3660.8
140°	985.0	1227.4	2407.1	3365.1	3613.9
142.5°	1032.0	1248.8	2307.9	3250.7	3514.7
145°	1102.4	1274.6	2204.9	3065.9	3353.0
147.5°	1157.2	1288.6	2088.7	2879.5	3116.8
150°	1193.8	1289.4	2041.8	2713.8	3007.2
152.5°	1225.1	1315.6	1984.4	2561.9	2829.8
155°	1272.0	1367.7	1891.7	2340.8	2583.2
157.5°	1319.0	1410.8	1782.2	2176.0	2340.5
160°	1350.3	1426.9	1709.1	2096.4	2204.9
162.5°	1376.4	1442.7	1630.8	1961.1	2084.8
165°	1409.0	1447.3	1519.9	1777.1	1898.3
167.5°	1439.0	1458.2	1529.1	1596.5	1694.7
170°	1454.7	1473.8	1513.4	1579.4	1611.2
172.5°	1470.3	1499.7	1492.5	1537.5	1564.3
175°	1487.3	1519.2	1474.3	1481.1	1493.8
177.5°	1491.2	1506.5	1496.4	1496.8	1512.1
180°	1480.8	1480.8	1480.8	1480.8	1480.8

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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	18.36	19.24	19.30	20.19	21.42	17.29	18.16	18.22	19.11	20.34
	3H	20.03	20.82	20.98	21.78	23.03	18.70	19.49	19.65	20.45	21.70
	4H	20.66	21.41	21.62	22.37	23.63	19.22	19.96	20.18	20.93	22.19
	6H	21.05	21.73	22.02	22.70	23.98	19.54	20.22	20.51	21.19	22.46
	8H	21.19	21.84	22.16	22.82	24.09	19.66	20.31	20.64	21.30	22.57
	12H	21.26	21.88	22.24	22.85	24.15	19.74	20.36	20.72	21.34	22.63
4H	2H	18.77	19.52	19.74	20.48	21.74	17.92	18.66	18.88	19.62	20.88
	3H	20.67	21.29	21.64	22.28	23.55	19.54	20.16	20.51	21.15	22.42
	4H	21.42	21.98	22.40	22.97	24.27	20.14	20.71	21.13	21.70	22.99
	6H	21.92	22.41	22.91	23.41	24.71	20.56	21.04	21.55	22.05	23.35
	8H	22.11	22.56	23.11	23.57	24.88	20.73	21.18	21.72	22.18	23.50
	12H	22.21	22.62	23.22	23.64	24.95	20.83	21.24	21.85	22.26	23.58
8H	4H	21.55	22.00	22.54	23.00	24.31	20.41	20.86	21.40	21.86	23.17
	6H	22.17	22.54	23.19	23.59	24.89	20.94	21.31	21.96	22.36	23.66
	8H	22.44	22.77	23.47	23.80	25.13	21.19	21.52	22.22	22.55	23.88
	12H	22.61	22.90	23.64	23.92	25.29	21.37	21.66	22.40	22.68	24.05
12H	4H	21.52	21.93	22.53	22.95	24.26	20.41	20.82	21.42	21.84	23.15
	6H	22.18	22.51	23.21	23.54	24.87	20.99	21.32	22.02	22.36	23.68
	8H	22.48	22.77	23.52	23.80	25.17	21.28	21.57	22.31	22.59	23.96