

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: P1439440

Luminaire Tested: CB3-B-085U-030D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439440
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-940-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

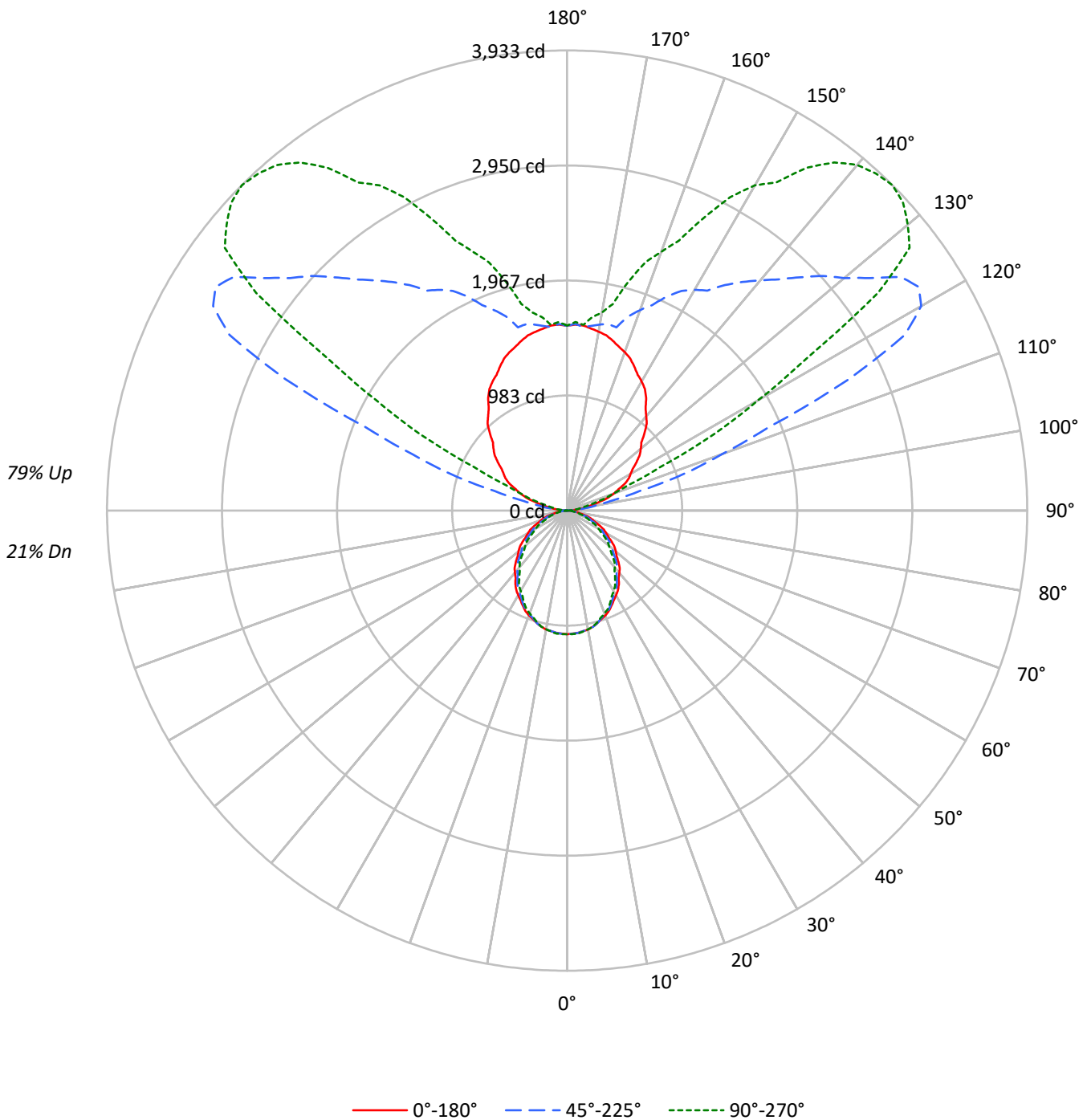
Lumens per Lamp: N/A
Luminaire Lumens: 11825.3 lumens
Efficiency: N/A
Efficacy: 162.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 73
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°	5983	5983	5983
5°	5954	5959	5993
10°	5928	5920	5920
15°	5838	5838	5802
20°	5743	5684	5634
25°	5598	5527	5429
30°	5461	5319	5191
35°	5317	5120	4938
40°	5125	4882	4670
45°	4952	4669	4380
50°	4773	4416	4099
55°	4578	4171	3830
60°	4369	3918	3527
65°	4122	3629	3207
70°	3839	3292	2857
75°	3480	2890	2544
80°	3033	2424	2251
85°	2343	2045	2045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4952 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.8	0.8
10°-20°	280.3	2.4
20°-30°	407.3	3.4
30°-40°	463.0	3.9
40°-50°	449.5	3.8
50°-60°	379.5	3.2
60°-70°	270.0	2.3
70°-80°	144.3	1.2
80°-90°	38.1	0.3
90°-100°	106.8	0.9
100°-110°	559.9	4.7
110°-120°	1409.5	11.9
120°-130°	2174.4	18.4
130°-140°	1990.6	16.8
140°-150°	1469.1	12.4
150°-160°	936.5	7.9
160°-170°	493.0	4.2
170°-180°	153.5	1.3
0°-30°	787.4	6.7
0°-40°	1250.4	10.6
0°-60°	2079.5	17.6
0°-90°	2531.8	21.4
90°-120°	2076.3	17.6
90°-150°	7710.4	65.2
90°-180°	9293.0	78.6
0°-180°	11825.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1058	1058	1058	1058	1058	
5°	1048	1062	1049	1048	1055	100
15°	997	1006	997	991	991	281
25°	897	900	886	873	870	413
35°	770	762	741	719	715	480
45°	619	609	584	556	548	477
55°	464	452	423	396	388	415
65°	308	297	271	247	240	305
75°	159	150	132	119	116	170
85°	36	33	32	32	32	43
90°	0	0	0	0	0	4
95°	56	158	63	35	35	71
105°	285	884	640	263	216	305
115°	543	1108	2659	1156	877	529
125°	724	1119	3480	3509	3244	648
135°	933	1246	2819	3844	3933	721
145°	1176	1360	2353	3272	3578	731
155°	1357	1459	2019	2498	2756	626
165°	1504	1544	1622	1896	2026	424
175°	1587	1621	1573	1580	1594	150
180°	1580	1580	1580	1580	1580	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1057.5	1057.5	1057.5	1057.5	1057.5
2.5°	1052.1	1062.7	1053.3	1054.6	1056.9
5°	1048.5	1061.7	1049.3	1047.9	1055.3
7.5°	1040.4	1052.4	1039.5	1036.5	1043.1
10°	1032.0	1045.2	1030.5	1026.8	1030.5
12.5°	1017.0	1030.8	1019.1	1013.0	1016.1
15°	996.7	1005.5	996.7	990.7	990.7
17.5°	971.9	981.2	964.5	960.3	958.7
20°	953.9	962.0	944.1	938.1	935.9
22.5°	929.8	937.3	922.5	912.2	909.4
25°	896.8	899.7	885.5	873.4	869.8
27.5°	863.6	864.3	844.8	830.1	825.3
30°	836.0	836.7	814.2	798.3	794.6
32.5°	808.3	806.1	784.7	765.9	763.4
35°	769.9	762.5	741.3	719.4	715.0
37.5°	723.4	719.0	694.0	672.1	665.5
40°	694.0	686.7	661.0	639.0	632.4
42.5°	664.6	656.0	629.7	605.4	598.2
45°	618.9	609.3	583.6	555.6	547.5
47.5°	572.9	562.5	534.2	507.1	498.1
50°	542.3	531.3	501.7	475.2	465.7
52.5°	511.0	499.4	469.9	442.8	435.0
55°	464.2	451.7	422.9	395.7	388.3
57.5°	417.3	405.0	376.3	350.6	341.7
60°	386.1	374.3	346.3	320.5	311.7
62.5°	354.2	343.0	315.6	290.5	282.3
65°	307.9	296.9	271.1	246.9	239.6
67.5°	262.1	252.7	227.3	205.1	199.2
70°	232.1	223.3	199.0	178.6	172.7
72.5°	203.2	193.8	170.8	153.4	149.3
75°	159.2	150.4	132.2	118.6	116.4
77.5°	119.0	111.8	96.0	88.3	87.1
80°	93.1	86.5	74.4	69.1	69.1
82.5°	69.1	63.7	55.7	53.5	53.5
85°	36.1	33.1	31.5	31.5	31.5
87.5°	10.8	10.8	10.2	9.6	9.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	16.7	38.5	11.1	5.7	11.1
95°	55.7	157.8	62.6	34.8	34.8
97.5°	115.5	352.4	161.5	86.1	78.0
100°	160.1	500.4	250.6	125.0	111.4
102.5°	210.2	648.5	378.7	169.3	144.8
105°	285.4	884.3	640.4	263.4	215.8
107.5°	368.9	1045.4	1055.2	406.1	327.1
110°	424.6	1112.0	1406.0	533.2	410.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	474.7	1129.4	1873.8	727.1	561.0
115°	542.9	1107.8	2658.9	1156.1	877.0
117.5°	593.0	1054.5	3254.8	1839.2	1418.6
120°	626.4	1055.2	3494.2	2355.9	1886.3
122.5°	665.4	1061.5	3561.0	2869.1	2437.6
125°	723.9	1118.6	3480.3	3509.0	3243.6
127.5°	782.4	1160.8	3263.1	3772.1	3689.1
130°	821.3	1188.9	3090.5	3861.7	3800.5
132.5°	860.3	1217.0	2968.0	3863.8	3895.1
135°	932.7	1245.8	2819.0	3844.2	3932.7
137.5°	1006.5	1281.5	2679.8	3722.5	3906.3
140°	1051.0	1309.7	2568.4	3590.7	3856.1
142.5°	1101.2	1332.6	2462.6	3468.6	3750.3
145°	1176.3	1360.1	2352.7	3271.5	3577.7
147.5°	1234.8	1375.0	2228.8	3072.6	3325.8
150°	1273.8	1375.9	2178.7	2895.7	3208.8
152.5°	1307.2	1403.8	2117.4	2733.6	3019.5
155°	1357.3	1459.4	2018.6	2497.8	2756.4
157.5°	1407.4	1505.4	1901.6	2321.9	2497.4
160°	1440.8	1522.5	1823.7	2237.0	2352.7
162.5°	1468.7	1539.5	1740.1	2092.6	2224.6
165°	1503.5	1544.3	1621.8	1896.2	2025.5
167.5°	1535.5	1555.9	1631.6	1703.5	1808.4
170°	1552.2	1572.6	1614.8	1685.2	1719.3
172.5°	1568.9	1600.2	1592.6	1640.6	1669.1
175°	1587.0	1621.0	1573.1	1580.4	1594.0
177.5°	1591.2	1607.5	1596.7	1597.1	1613.5
180°	1580.0	1580.0	1580.0	1580.0	1580.0



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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	9.80	10.45	10.97	11.60	13.23	8.72	9.37	9.89	10.52	12.15
	3H	11.45	12.03	12.63	13.19	14.84	10.12	10.70	11.30	11.86	13.51
	4H	12.07	12.62	13.26	13.78	15.43	10.63	11.18	11.81	12.34	13.99
	6H	12.45	12.95	13.64	14.12	15.77	10.93	11.44	12.13	12.60	14.26
	8H	12.58	13.06	13.77	14.24	15.89	11.05	11.53	12.25	12.71	14.36
	12H	12.64	13.09	13.84	14.27	15.94	11.12	11.58	12.32	12.75	14.42
4H	2H	10.18	10.73	11.38	11.90	13.54	9.32	9.88	10.52	11.04	12.68
	3H	12.05	12.51	13.25	13.70	15.36	10.92	11.38	12.12	12.57	14.23
	4H	12.79	13.22	13.99	14.39	16.07	11.52	11.94	12.72	13.12	14.80
	6H	13.28	13.64	14.48	14.84	16.51	11.92	12.28	13.12	13.48	15.15
	8H	13.47	13.81	14.67	14.99	16.68	12.09	12.42	13.29	13.61	15.30
	12H	13.56	13.86	14.77	15.06	16.75	12.18	12.49	13.40	13.69	15.37
8H	4H	12.90	13.24	14.11	14.43	16.11	11.77	12.10	12.97	13.29	14.97
	6H	13.51	13.79	14.73	15.02	16.70	12.29	12.56	13.51	13.79	15.47
	8H	13.79	14.03	15.01	15.24	16.94	12.54	12.78	13.76	13.98	15.69
	12H	13.94	14.16	15.17	15.36	17.09	12.70	12.91	13.93	14.12	15.85
12H	4H	12.87	13.17	14.08	14.37	16.06	11.76	12.06	12.97	13.26	14.95
	6H	13.53	13.77	14.75	14.98	16.68	12.34	12.58	13.57	13.79	15.49
	8H	13.82	14.03	15.05	15.24	16.97	12.61	12.83	13.84	14.03	15.76