

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1057105

Luminaire Tested: CB3-B-085U-120D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057105
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-119-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-B-085U-120D-840-1D-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17843.0 lumens
Efficiency: N/A
Efficacy: 134.1 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

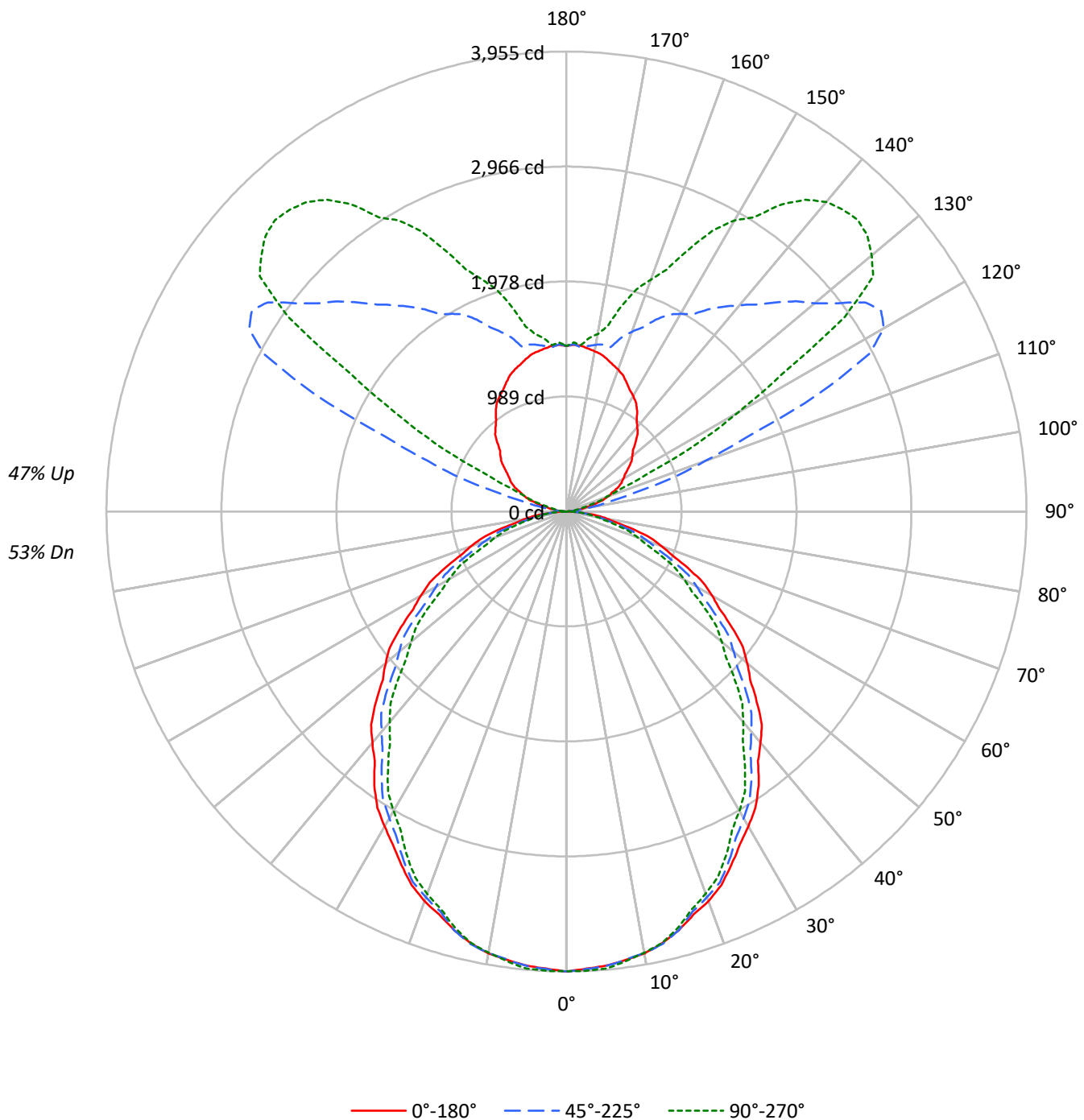
Input Watts (W): 133.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59
1	99	94	91	87	91	88	84	81	75	72	70	63	61	60	52	51	50
2	90	83	77	71	83	77	72	67	66	62	58	56	53	50	46	44	43
3	82	73	66	60	76	68	61	56	58	53	49	49	46	43	41	39	36
4	75	65	57	51	70	60	53	48	52	46	42	44	40	37	37	34	32
5	69	58	50	44	64	54	47	41	47	41	37	40	35	32	33	30	28
6	64	52	44	38	59	48	41	36	42	36	32	36	32	28	30	27	24
7	59	47	39	33	55	44	37	32	38	32	28	33	28	25	28	24	22
8	55	43	35	30	51	40	33	28	35	29	25	30	26	22	26	22	20
9	51	39	31	26	47	37	30	25	32	26	23	28	23	20	24	20	18
10	48	36	29	24	44	34	27	23	29	24	20	26	21	18	22	19	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22376	22376	22376
5°	22270	22286	22414
10°	22173	22141	22141
15°	21833	21833	21701
20°	21478	21258	21072
25°	20937	20674	20306
30°	20424	19892	19415
35°	19886	19148	18469
40°	19169	18257	17468
45°	18519	17463	16384
50°	17851	16515	15329
55°	17123	15600	14324
60°	16337	14652	13191
65°	15418	13575	11995
70°	14357	12313	10687
75°	13016	10807	9517
80°	11347	9060	8418
85°	8750	7659	7659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18519 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.2	2.1
10°-20°	1048.4	5.9
20°-30°	1523.3	8.5
30°-40°	1731.9	9.7
40°-50°	1681.2	9.4
50°-60°	1419.4	8.0
60°-70°	1009.9	5.7
70°-80°	539.6	3.0
80°-90°	142.6	0.8
90°-100°	96.3	0.5
100°-110°	504.5	2.8
110°-120°	1270.0	7.1
120°-130°	1959.2	11.0
130°-140°	1793.6	10.1
140°-150°	1323.7	7.4
150°-160°	843.8	4.7
160°-170°	444.2	2.5
170°-180°	138.3	0.8
0°-30°	2944.9	16.5
0°-40°	4676.7	26.2
0°-60°	7777.4	43.6
0°-90°	9469.5	53.1
90°-120°	1870.7	10.5
90°-150°	6947.2	38.9
90°-180°	8374.0	46.9
0°-180°	17843.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3955	3955	3955	3955	3955	
5°	3922	3971	3924	3919	3947	372
15°	3728	3761	3728	3705	3705	1050
25°	3354	3365	3312	3267	3253	1545
35°	2879	2852	2773	2691	2674	1794
45°	2315	2279	2183	2078	2048	1785
55°	1736	1689	1582	1480	1452	1552
65°	1152	1111	1014	924	896	1141
75°	596	563	494	444	435	635
85°	135	124	118	118	118	160
90°	0	0	0	0	0	8
95°	50	142	56	31	31	64
105°	257	797	577	237	194	275
115°	489	998	2396	1042	790	476
125°	652	1008	3136	3162	2923	584
135°	840	1122	2540	3464	3543	649
145°	1060	1226	2120	2948	3224	659
155°	1223	1315	1819	2250	2484	564
165°	1355	1392	1461	1708	1825	382
175°	1430	1461	1417	1424	1436	135
180°	1424	1424	1424	1424	1424	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3955.3	3955.3	3955.3	3955.3	3955.3
2.5°	3935.1	3974.6	3939.6	3944.2	3953.0
5°	3921.6	3971.0	3924.4	3919.4	3946.9
7.5°	3891.2	3936.3	3887.9	3876.6	3901.3
10°	3859.8	3909.2	3854.2	3840.4	3854.2
12.5°	3803.6	3855.2	3811.5	3788.7	3800.2
15°	3727.7	3760.7	3727.7	3705.3	3705.3
17.5°	3635.0	3669.6	3607.5	3591.6	3585.6
20°	3567.6	3597.8	3531.1	3508.4	3500.2
22.5°	3477.7	3505.7	3450.2	3411.8	3401.3
25°	3354.1	3365.1	3312.0	3266.7	3253.0
27.5°	3230.0	3232.7	3159.7	3104.8	3086.7
30°	3126.6	3129.3	3045.1	2985.8	2972.1
32.5°	3023.2	3015.0	2935.0	2864.6	2855.2
35°	2879.4	2851.9	2772.6	2690.8	2674.3
37.5°	2705.8	2689.3	2595.7	2513.6	2488.9
40°	2595.7	2568.2	2472.1	2390.0	2365.3
42.5°	2485.5	2453.7	2355.2	2264.1	2237.2
45°	2314.7	2279.0	2182.7	2078.1	2047.9
47.5°	2142.8	2103.8	1997.9	1896.5	1863.0
50°	2028.2	1987.0	1876.5	1777.4	1741.7
52.5°	1911.3	1867.9	1757.4	1656.2	1627.1
55°	1736.1	1689.4	1581.6	1479.8	1452.3
57.5°	1560.8	1514.6	1407.4	1311.1	1278.2
60°	1443.9	1400.0	1295.0	1198.8	1165.8
62.5°	1324.8	1283.0	1180.4	1086.4	1055.7
65°	1151.8	1110.6	1014.1	923.6	896.1
67.5°	980.4	945.2	850.0	767.0	745.0
70°	868.0	835.1	744.4	668.1	646.1
72.5°	760.2	725.0	638.8	573.8	558.5
75°	595.5	562.6	494.4	443.7	435.4
77.5°	445.0	418.1	359.0	330.3	325.9
80°	348.3	323.6	278.1	258.4	258.4
82.5°	258.4	238.1	208.4	200.0	200.0
85°	134.8	123.9	118.0	118.0	118.0
87.5°	40.5	40.5	38.2	36.0	36.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	15.1	34.7	10.0	5.1	10.0
95°	50.2	142.2	56.4	31.4	31.4
97.5°	104.1	317.5	145.5	77.6	70.2
100°	144.2	450.9	225.8	112.6	100.3
102.5°	189.4	584.3	341.2	152.5	130.4
105°	257.1	796.8	577.0	237.3	194.4
107.5°	332.4	941.9	950.8	365.9	294.8
110°	382.6	1001.9	1266.9	480.4	370.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	427.7	1017.6	1688.3	655.1	505.5
115°	489.2	998.2	2395.7	1041.6	790.2
117.5°	534.3	950.1	2932.6	1657.1	1278.1
120°	564.4	950.8	3148.3	2122.7	1699.6
122.5°	599.6	956.5	3208.5	2585.1	2196.3
125°	652.2	1007.9	3135.8	3161.7	2922.6
127.5°	704.9	1045.9	2940.1	3398.8	3323.9
130°	740.0	1071.2	2784.6	3479.5	3424.3
132.5°	775.2	1096.5	2674.2	3481.4	3509.6
135°	840.4	1122.5	2540.0	3463.7	3543.4
137.5°	906.9	1154.6	2414.6	3354.0	3519.6
140°	947.0	1180.0	2314.2	3235.3	3474.5
142.5°	992.2	1200.7	2218.9	3125.3	3379.1
145°	1059.9	1225.5	2119.8	2947.6	3223.6
147.5°	1112.6	1238.9	2008.2	2768.4	2996.6
150°	1147.7	1239.7	1963.0	2609.1	2891.2
152.5°	1177.8	1264.9	1907.8	2463.1	2720.6
155°	1223.0	1314.9	1818.8	2250.5	2483.5
157.5°	1268.1	1356.4	1713.4	2092.0	2250.2
160°	1298.2	1371.8	1643.2	2015.5	2119.8
162.5°	1323.3	1387.1	1567.9	1885.4	2004.4
165°	1354.7	1391.5	1461.3	1708.5	1825.0
167.5°	1383.5	1401.9	1470.1	1534.9	1629.4
170°	1398.6	1417.0	1455.0	1518.4	1549.1
172.5°	1413.6	1441.8	1434.9	1478.2	1503.9
175°	1429.9	1460.6	1417.4	1423.9	1436.2
177.5°	1433.7	1448.4	1438.7	1439.0	1453.8
180°	1423.6	1423.6	1423.6	1423.6	1423.6

(END OF REPORT)