

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: P1057096

Luminaire Tested: CB3-B-085U-030D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057096
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-030D-840-1D-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, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10654.8 lumens
Efficiency: N/A
Efficacy: 146.0 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

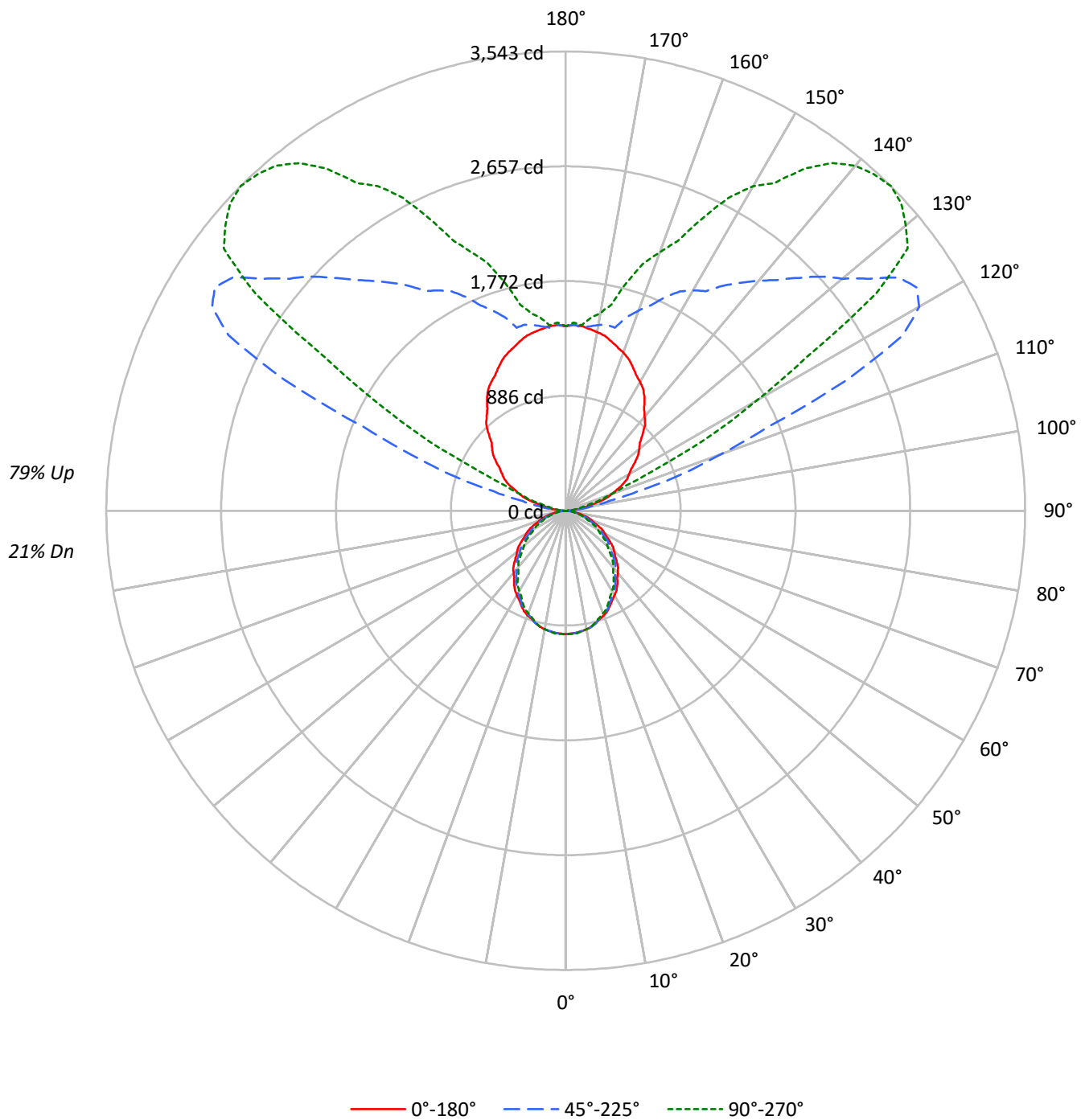
Input Watts (W): 73
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	100	100	100	100	89	89	89	89	67	67	67	48	48	48	30	30	30
1	91	87	84	80	81	78	74	72	59	57	55	42	41	40	26	26	25
2	83	76	71	66	74	68	63	59	52	49	46	37	35	33	23	22	21
3	76	67	60	55	67	60	54	49	46	42	39	33	30	28	21	19	18
4	69	59	52	46	61	53	46	42	41	36	33	29	26	24	19	17	16
5	64	53	45	39	56	47	40	36	36	32	28	26	23	21	17	15	14
6	58	47	39	34	52	42	35	31	32	28	24	24	20	18	15	13	12
7	54	42	35	29	48	38	31	27	29	25	21	21	18	16	14	12	11
8	50	38	31	26	44	34	28	23	27	22	19	19	16	14	13	11	10
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9
10	43	32	25	20	38	28	22	18	22	18	15	16	13	11	11	9	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5391	5391	5391
5°	5365	5369	5399
10°	5341	5334	5334
15°	5259	5259	5228
20°	5174	5122	5076
25°	5044	4981	4892
30°	4920	4792	4677
35°	4791	4613	4450
40°	4618	4398	4208
45°	4461	4207	3947
50°	4300	3979	3693
55°	4125	3758	3451
60°	3935	3530	3177
65°	3715	3270	2890
70°	3459	2966	2575
75°	3137	2603	2293
80°	2733	2183	2030
85°	2110	1843	1843

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4461 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	0.8
10°-20°	252.6	2.4
20°-30°	367.0	3.4
30°-40°	417.2	3.9
40°-50°	405.0	3.8
50°-60°	342.0	3.2
60°-70°	243.3	2.3
70°-80°	130.0	1.2
80°-90°	34.3	0.3
90°-100°	96.3	0.9
100°-110°	504.5	4.7
110°-120°	1270.0	11.9
120°-130°	1959.2	18.4
130°-140°	1793.6	16.8
140°-150°	1323.7	12.4
150°-160°	843.8	7.9
160°-170°	444.2	4.2
170°-180°	138.3	1.3
0°-30°	709.4	6.7
0°-40°	1126.7	10.6
0°-60°	1873.6	17.6
0°-90°	2281.3	21.4
90°-120°	1870.7	17.6
90°-150°	6947.2	65.2
90°-180°	8374.0	78.6
0°-180°	10654.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	953	953	953	953	953	
5°	945	957	945	944	951	90
15°	898	906	898	893	893	253
25°	808	811	798	787	784	372
35°	694	687	668	648	644	432
45°	558	549	526	501	493	430
55°	418	407	381	356	350	374
65°	278	268	244	222	216	275
75°	144	136	119	107	105	153
85°	32	30	28	28	28	38
90°	0	0	0	0	0	3
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°	952.9	952.9	952.9	952.9	952.9
2.5°	948.0	957.5	949.1	950.2	952.3
5°	944.7	956.6	945.4	944.2	950.8
7.5°	937.4	948.3	936.6	933.9	939.9
10°	929.8	941.8	928.5	925.2	928.5
12.5°	916.3	928.7	918.2	912.7	915.5
15°	898.0	906.0	898.0	892.6	892.6
17.5°	875.7	884.0	869.1	865.3	863.8
20°	859.5	866.7	850.7	845.2	843.2
22.5°	837.8	844.6	831.2	821.9	819.4
25°	808.0	810.7	797.9	787.0	783.7
27.5°	778.1	778.8	761.2	748.0	743.6
30°	753.2	753.9	733.6	719.3	716.0
32.5°	728.3	726.3	707.1	690.1	687.8
35°	693.7	687.0	667.9	648.2	644.3
37.5°	651.8	647.9	625.3	605.5	599.6
40°	625.3	618.7	595.5	575.8	569.8
42.5°	598.8	591.1	567.4	545.4	539.0
45°	557.6	549.0	525.8	500.6	493.3
47.5°	516.2	506.8	481.3	456.9	448.8
50°	488.6	478.7	452.1	428.2	419.6
52.5°	460.5	450.0	423.4	399.0	392.0
55°	418.2	407.0	381.0	356.5	349.9
57.5°	376.0	364.9	339.0	315.9	307.9
60°	347.8	337.3	312.0	288.8	280.8
62.5°	319.2	309.1	284.4	261.7	254.3
65°	277.5	267.5	244.3	222.5	215.9
67.5°	236.2	227.7	204.8	184.8	179.5
70°	209.1	201.2	179.3	160.9	155.7
72.5°	183.1	174.7	153.9	138.2	134.5
75°	143.5	135.5	119.1	106.9	104.9
77.5°	107.2	100.7	86.5	79.6	78.5
80°	83.9	78.0	67.0	62.3	62.3
82.5°	62.3	57.4	50.2	48.2	48.2
85°	32.5	29.8	28.4	28.4	28.4
87.5°	9.7	9.7	9.2	8.7	8.7
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)