

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: P1057099

Luminaire Tested: CB3-B-085U-055D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057099
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-055D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 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: 12731.6 lumens
Efficiency: N/A
Efficacy: 142.9 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

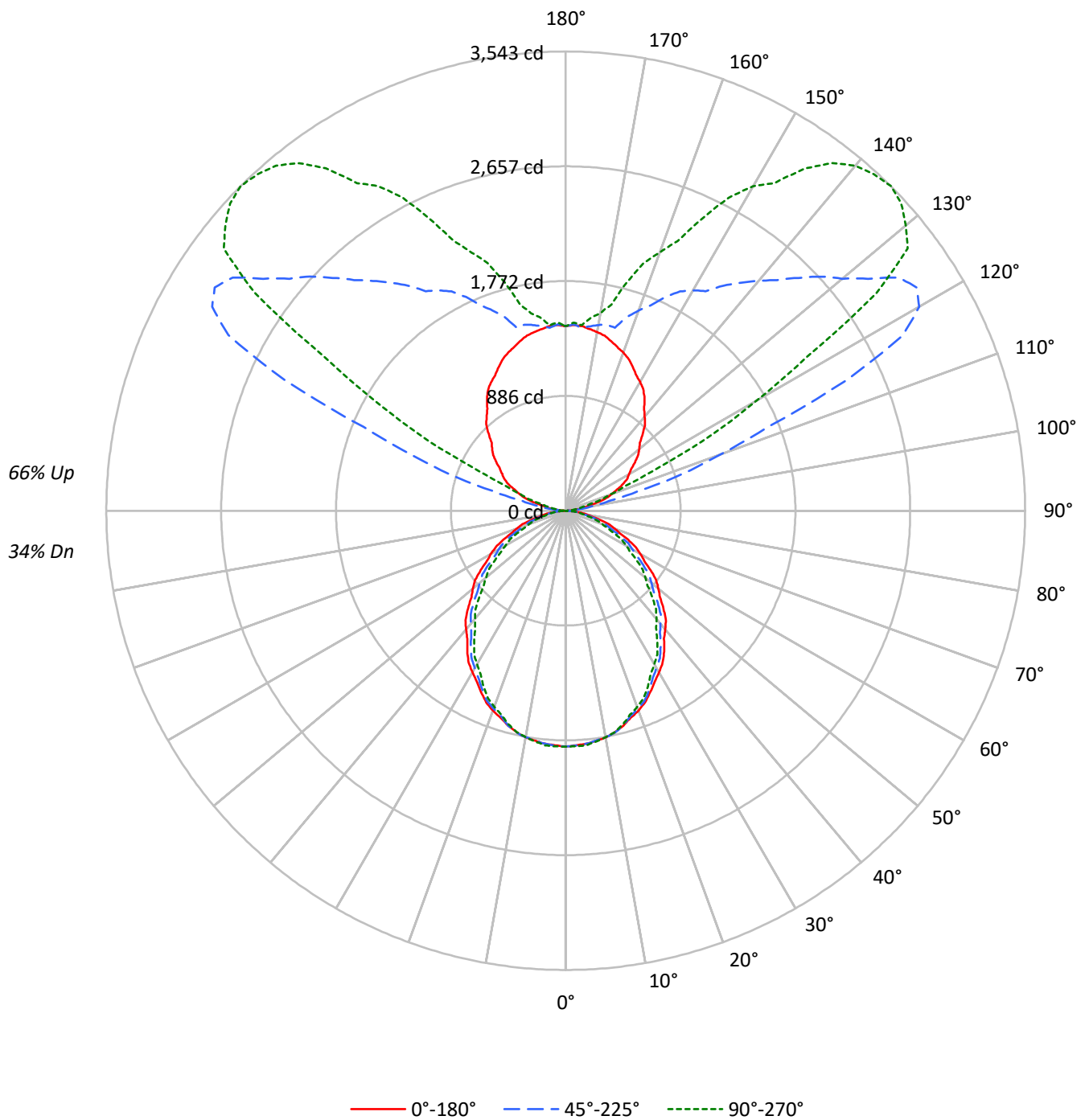
Input Watts (W): 89.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42
1	94	90	86	83	85	82	78	76	65	63	61	51	49	48	37	36	35
2	86	79	73	68	77	71	66	62	57	54	51	45	42	40	33	31	30
3	78	69	62	57	71	63	57	52	51	46	43	39	37	34	29	27	26
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22
5	66	55	47	41	59	50	43	38	40	35	32	32	28	25	23	21	19
6	61	49	41	36	55	45	38	33	36	31	27	29	25	22	21	19	17
7	56	44	36	31	50	40	34	29	33	28	24	26	22	20	19	17	15
8	52	40	32	27	47	37	30	25	30	25	21	24	20	17	18	15	14
9	48	36	29	24	44	33	27	23	27	22	19	22	18	16	17	14	12
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10298	10298	10298
5°	10249	10257	10315
10°	10204	10190	10190
15°	10048	10048	9987
20°	9885	9784	9698
25°	9635	9514	9345
30°	9400	9155	8935
35°	9152	8812	8500
40°	8822	8402	8039
45°	8523	8037	7541
50°	8215	7601	7055
55°	7881	7179	6593
60°	7519	6743	6070
65°	7096	6247	5521
70°	6608	5667	4918
75°	5991	4973	4380
80°	5222	4170	3874
85°	4031	3525	3525

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8523 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.7	1.3
10°-20°	482.5	3.8
20°-30°	701.0	5.5
30°-40°	797.0	6.3
40°-50°	773.7	6.1
50°-60°	653.3	5.1
60°-70°	464.8	3.7
70°-80°	248.3	2.0
80°-90°	65.6	0.5
90°-100°	96.3	0.8
100°-110°	504.5	4.0
110°-120°	1270.0	10.0
120°-130°	1959.2	15.4
130°-140°	1793.6	14.1
140°-150°	1323.7	10.4
150°-160°	843.8	6.6
160°-170°	444.2	3.5
170°-180°	138.3	1.1
0°-30°	1355.3	10.6
0°-40°	2152.3	16.9
0°-60°	3579.3	28.1
0°-90°	4358.0	34.2
90°-120°	1870.7	14.7
90°-150°	6947.2	54.6
90°-180°	8374.0	65.8
0°-180°	12731.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1820	1820	1820	1820	1820	
5°	1805	1828	1806	1804	1816	171
15°	1716	1731	1716	1705	1705	483
25°	1544	1549	1524	1503	1497	711
35°	1325	1312	1276	1238	1231	826
45°	1065	1049	1004	956	942	822
55°	799	778	728	681	668	714
65°	530	511	467	425	412	525
75°	274	259	228	204	200	292
85°	62	57	54	54	54	74
90°	0	0	0	0	0	5
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°	1820.3	1820.3	1820.3	1820.3	1820.3
2.5°	1811.0	1829.2	1813.1	1815.2	1819.3
5°	1804.8	1827.5	1806.1	1803.8	1816.4
7.5°	1790.8	1811.6	1789.3	1784.1	1795.5
10°	1776.3	1799.1	1773.8	1767.4	1773.8
12.5°	1750.5	1774.2	1754.1	1743.6	1748.9
15°	1715.6	1730.7	1715.6	1705.2	1705.2
17.5°	1672.9	1688.8	1660.2	1652.9	1650.2
20°	1641.9	1655.8	1625.1	1614.7	1610.9
22.5°	1600.5	1613.4	1587.8	1570.2	1565.4
25°	1543.6	1548.7	1524.2	1503.4	1497.1
27.5°	1486.5	1487.8	1454.2	1428.9	1420.6
30°	1438.9	1440.2	1401.4	1374.1	1367.8
32.5°	1391.3	1387.5	1350.7	1318.3	1314.0
35°	1325.1	1312.5	1276.0	1238.4	1230.8
37.5°	1245.2	1237.7	1194.6	1156.8	1145.4
40°	1194.6	1181.9	1137.7	1099.9	1088.6
42.5°	1143.9	1129.2	1083.9	1042.0	1029.6
45°	1065.3	1048.9	1004.5	956.4	942.5
47.5°	986.2	968.2	919.5	872.8	857.4
50°	933.4	914.5	863.6	818.0	801.6
52.5°	879.6	859.7	808.8	762.2	748.8
55°	799.0	777.5	727.9	681.0	668.4
57.5°	718.3	697.1	647.7	603.4	588.2
60°	664.5	644.3	596.0	551.7	536.5
62.5°	609.7	590.5	543.2	500.0	485.8
65°	530.1	511.1	466.7	425.1	412.4
67.5°	451.2	435.0	391.2	353.0	342.9
70°	399.5	384.3	342.6	307.5	297.3
72.5°	349.8	333.7	294.0	264.1	257.0
75°	274.1	258.9	227.5	204.2	200.4
77.5°	204.8	192.4	165.2	152.0	150.0
80°	160.3	148.9	128.0	118.9	118.9
82.5°	118.9	109.6	95.9	92.0	92.0
85°	62.1	57.0	54.3	54.3	54.3
87.5°	18.6	18.6	17.6	16.5	16.5
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)