

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: P1057101

Luminaire Tested: CB3-B-085U-085D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057101
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-085D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15228.5 lumens
Efficiency: N/A
Efficacy: 140.6 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

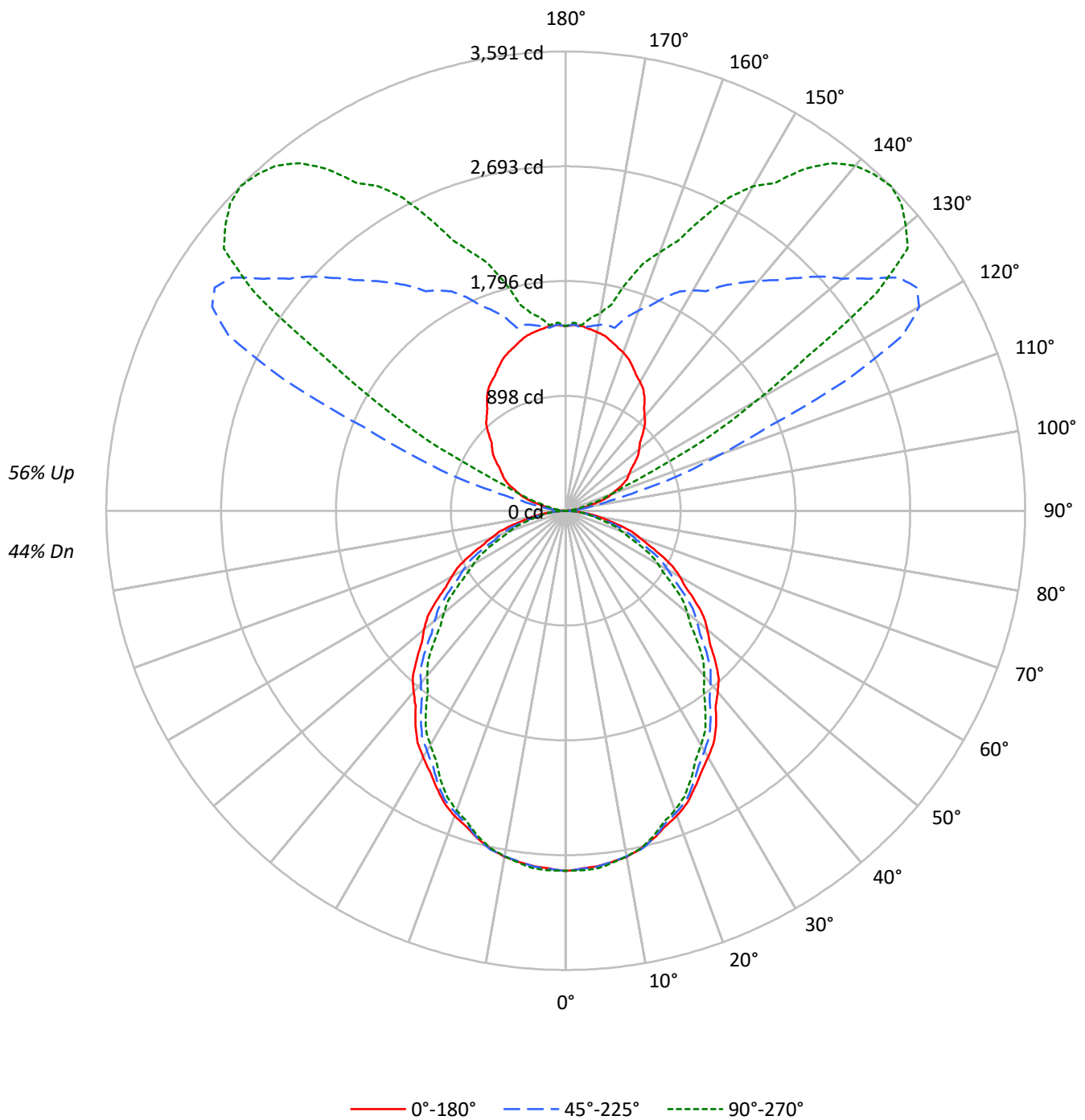
Input Watts (W): 108.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51
1	97	92	89	85	88	85	82	79	70	68	66	57	56	54	45	44	43
2	88	81	75	70	80	74	69	65	62	58	55	51	48	46	40	38	37
3	80	71	64	58	73	66	59	54	55	50	46	45	41	39	36	33	31
4	74	63	55	49	67	58	51	46	49	44	40	40	36	33	32	29	27
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24
6	62	50	43	37	57	47	40	34	39	34	30	33	28	25	26	23	21
7	58	46	38	32	53	42	35	30	36	30	26	30	26	22	24	21	19
8	53	41	34	29	49	38	32	27	33	27	23	27	23	20	22	19	17
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	20	17	15
10	46	35	28	23	43	32	26	21	27	22	19	23	19	16	19	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15931	15931	15931
5°	15855	15867	15958
10°	15786	15763	15763
15°	15544	15544	15450
20°	15292	15135	15003
25°	14906	14719	14457
30°	14541	14162	13823
35°	14158	13633	13150
40°	13648	12998	12436
45°	13185	12433	11665
50°	12709	11758	10913
55°	12191	11106	10199
60°	11631	10432	9391
65°	10977	9665	8540
70°	10222	8767	7609
75°	9268	7694	6776
80°	8080	6451	5995
85°	6231	5452	5452

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 13185 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.7	1.7
10°-20°	746.4	4.9
20°-30°	1084.5	7.1
30°-40°	1233.0	8.1
40°-50°	1197.0	7.9
50°-60°	1010.6	6.6
60°-70°	719.0	4.7
70°-80°	384.2	2.5
80°-90°	101.5	0.7
90°-100°	97.6	0.6
100°-110°	511.3	3.4
110°-120°	1287.1	8.5
120°-130°	1985.7	13.0
130°-140°	1817.8	11.9
140°-150°	1341.6	8.8
150°-160°	855.2	5.6
160°-170°	450.2	3.0
170°-180°	140.2	0.9
0°-30°	2096.6	13.8
0°-40°	3329.7	21.9
0°-60°	5537.2	36.4
0°-90°	6741.9	44.3
90°-120°	1896.0	12.5
90°-150°	7041.1	46.2
90°-180°	8487.0	55.7
0°-180°	15228.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2816	2816	2816	2816	2816	
5°	2792	2827	2794	2790	2810	265
15°	2654	2678	2654	2638	2638	748
25°	2388	2396	2358	2326	2316	1100
35°	2050	2030	1974	1916	1904	1277
45°	1648	1623	1554	1480	1458	1271
55°	1236	1203	1126	1054	1034	1105
65°	820	791	722	658	638	812
75°	424	400	352	316	310	452
85°	96	88	84	84	84	114
90°	0	0	0	0	0	6
95°	51	144	57	32	32	64
105°	261	808	585	241	197	278
115°	496	1012	2428	1056	801	483
125°	661	1022	3178	3204	2962	591
135°	852	1138	2574	3510	3591	658
145°	1074	1242	2148	2988	3267	668
155°	1240	1333	1843	2281	2517	571
165°	1373	1410	1481	1732	1850	387
175°	1449	1480	1436	1443	1456	137
180°	1443	1443	1443	1443	1443	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2816.0	2816.0	2816.0	2816.0	2816.0
2.5°	2801.6	2829.8	2804.8	2808.1	2814.4
5°	2792.0	2827.2	2794.0	2790.4	2810.0
7.5°	2770.4	2802.5	2768.0	2760.0	2777.6
10°	2748.0	2783.2	2744.0	2734.2	2744.0
12.5°	2708.0	2744.8	2713.6	2697.4	2705.6
15°	2654.0	2677.5	2654.0	2638.0	2638.0
17.5°	2588.0	2612.6	2568.4	2557.1	2552.8
20°	2540.0	2561.5	2514.0	2497.9	2492.0
22.5°	2476.0	2495.9	2456.4	2429.0	2421.6
25°	2388.0	2395.8	2358.0	2325.8	2316.0
27.5°	2299.6	2301.6	2249.6	2210.5	2197.6
30°	2226.0	2228.0	2168.0	2125.8	2116.0
32.5°	2152.4	2146.5	2089.6	2039.4	2032.8
35°	2050.0	2030.4	1974.0	1915.7	1904.0
37.5°	1926.4	1914.7	1848.0	1789.6	1772.0
40°	1848.0	1828.4	1760.0	1701.6	1684.0
42.5°	1769.6	1746.9	1676.8	1612.0	1592.8
45°	1648.0	1622.6	1554.0	1479.5	1458.0
47.5°	1525.6	1497.8	1422.4	1350.3	1326.4
50°	1444.0	1414.7	1336.0	1265.4	1240.0
52.5°	1360.8	1329.9	1251.2	1179.1	1158.4
55°	1236.0	1202.8	1126.0	1053.6	1034.0
57.5°	1111.2	1078.3	1002.0	933.5	910.0
60°	1028.0	996.7	922.0	853.5	830.0
62.5°	943.2	913.5	840.4	773.5	751.6
65°	820.0	790.7	722.0	657.6	638.0
67.5°	698.0	673.0	605.2	546.0	530.4
70°	618.0	594.5	530.0	475.6	460.0
72.5°	541.2	516.2	454.8	408.6	397.6
75°	424.0	400.5	352.0	315.9	310.0
77.5°	316.8	297.6	255.6	235.1	232.0
80°	248.0	230.4	198.0	184.0	184.0
82.5°	184.0	169.5	148.4	142.4	142.4
85°	96.0	88.2	84.0	84.0	84.0
87.5°	28.8	28.8	27.2	25.6	25.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	15.3	35.1	10.2	5.2	10.2
95°	50.9	144.1	57.2	31.8	31.8
97.5°	105.5	321.8	147.5	78.6	71.2
100°	146.2	456.9	228.8	114.1	101.7
102.5°	192.0	592.2	345.8	154.6	132.2
105°	260.6	807.5	584.8	240.6	197.0
107.5°	336.9	954.7	963.6	370.8	298.7
110°	387.7	1015.5	1284.0	486.9	375.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	433.5	1031.4	1711.1	664.0	512.3
115°	495.8	1011.6	2428.1	1055.7	800.9
117.5°	541.6	962.9	2972.2	1679.5	1295.4
120°	572.1	963.6	3190.9	2151.4	1722.6
122.5°	607.7	969.4	3251.9	2620.0	2226.0
125°	661.1	1021.5	3178.2	3204.4	2962.0
127.5°	714.5	1060.0	2979.8	3444.7	3368.8
130°	750.0	1085.7	2822.2	3526.5	3470.5
132.5°	785.6	1111.3	2710.3	3528.4	3557.0
135°	851.7	1137.6	2574.3	3510.5	3591.3
137.5°	919.1	1170.2	2447.2	3399.4	3567.2
140°	959.8	1196.0	2345.5	3279.0	3521.4
142.5°	1005.6	1216.9	2248.9	3167.5	3424.8
145°	1074.2	1242.0	2148.4	2987.5	3267.1
147.5°	1127.6	1255.6	2035.3	2805.8	3037.0
150°	1163.2	1256.4	1989.5	2644.4	2930.3
152.5°	1193.7	1282.0	1933.6	2496.3	2757.4
155°	1239.5	1332.7	1843.3	2280.9	2517.1
157.5°	1285.2	1374.7	1736.5	2120.3	2280.6
160°	1315.8	1390.3	1665.4	2042.8	2148.4
162.5°	1341.2	1405.8	1589.1	1910.9	2031.5
165°	1373.0	1410.3	1481.0	1731.6	1849.7
167.5°	1402.2	1420.8	1489.9	1555.7	1651.4
170°	1417.5	1436.1	1474.7	1538.9	1570.0
172.5°	1432.7	1461.3	1454.3	1498.1	1524.2
175°	1449.2	1480.3	1436.5	1443.2	1455.6
177.5°	1453.1	1468.0	1458.1	1458.5	1473.4
180°	1442.9	1442.9	1442.9	1442.9	1442.9

(END OF REPORT)