

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: P1057113

Luminaire Tested: CB3-B-125U-085D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057113
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-125U-085D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19484.4 lumens
Efficiency: N/A
Efficacy: 134.7 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

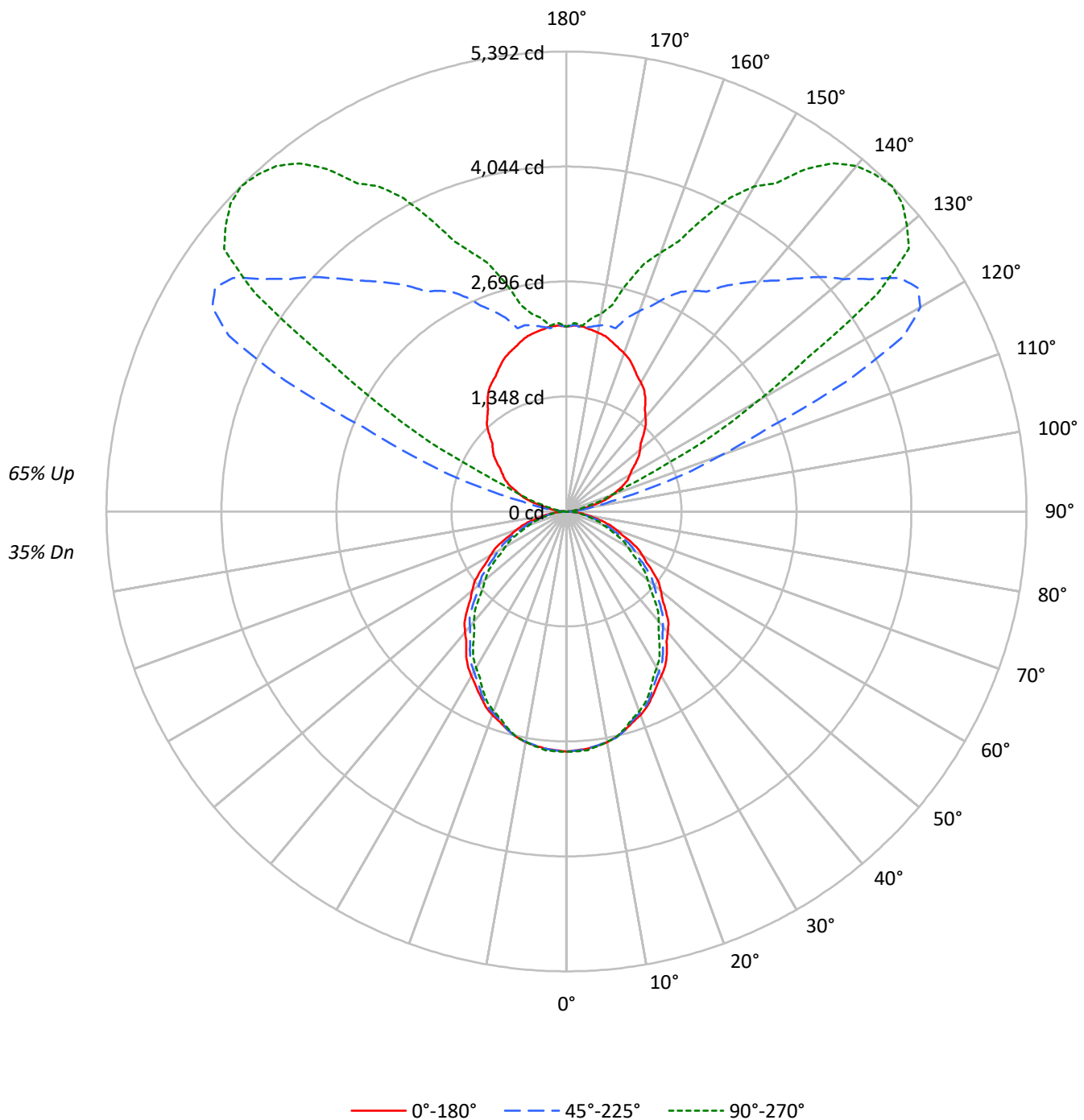
Input Watts (W): 144.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057113

CATALOG NUMBER: CB3-B-125U-085D-835-1D-UNV-STD-W-8

Luminous Intensity Polar Plot



TEST NUMBER: P1057113

CATALOG NUMBER: CB3-B-125U-085D-835-1D-UNV-STD-W-8

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	0
RCR																		
0	103	103	103	103	93	93	93	93	75	75	75	58	58	58	42	42	42	35
1	94	90	87	83	85	82	79	76	66	63	62	51	49	48	37	36	36	29
2	86	79	73	68	78	72	67	62	58	54	51	45	42	40	33	31	30	25
3	79	69	62	57	71	63	57	52	51	47	43	40	37	34	29	27	26	21
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22	18
5	66	55	47	41	59	50	43	38	40	35	32	32	28	25	24	21	20	16
6	61	49	41	36	55	45	38	33	36	31	28	29	25	22	21	19	17	14
7	56	44	36	31	51	40	34	29	33	28	24	26	22	20	20	17	15	13
8	52	40	33	27	47	37	30	25	30	25	21	24	20	18	18	16	14	11
9	48	36	29	24	44	33	27	23	27	23	19	22	18	16	17	14	12	10
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11	9

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

TEST NUMBER: P1057113

CATALOG NUMBER: CB3-B-125U-085D-835-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.7	1.4
10°-20°	746.4	3.8
20°-30°	1084.5	5.6
30°-40°	1233.0	6.3
40°-50°	1197.0	6.1
50°-60°	1010.6	5.2
60°-70°	719.0	3.7
70°-80°	384.2	2.0
80°-90°	101.5	0.5
90°-100°	146.5	0.8
100°-110°	767.8	3.9
110°-120°	1932.6	9.9
120°-130°	2981.5	15.3
130°-140°	2729.4	14.0
140°-150°	2014.3	10.3
150°-160°	1284.0	6.6
160°-170°	676.0	3.5
170°-180°	210.5	1.1
0°-30°	2096.6	10.8
0°-40°	3329.7	17.1
0°-60°	5537.2	28.4
0°-90°	6741.9	34.6
90°-120°	2846.8	14.6
90°-150°	10572.0	54.3
90°-180°	12743.0	65.4
0°-180°	19484.4	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	7
95°	76	216	86	48	48	97
105°	391	1212	878	361	296	418
115°	744	1519	3646	1585	1202	725
125°	993	1534	4772	4811	4447	888
135°	1279	1708	3865	5271	5392	988
145°	1613	1865	3226	4486	4906	1003
155°	1861	2001	2768	3425	3779	858
165°	2062	2118	2224	2600	2777	581
175°	2176	2223	2157	2167	2186	206
180°	2166	2166	2166	2166	2166	

TEST NUMBER: P1057113

CATALOG NUMBER: CB3-B-125U-085D-835-1D-UNV-STD-W-8

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°	22.9	52.8	15.3	7.8	15.3
95°	76.4	216.3	85.9	47.7	47.7
97.5°	158.4	483.2	221.4	118.1	106.9
100°	219.5	686.1	343.6	171.4	152.7
102.5°	288.2	889.2	519.2	232.1	198.5
105°	391.3	1212.5	878.0	361.2	295.9
107.5°	505.8	1433.4	1446.8	556.8	448.6
110°	582.2	1524.7	1927.9	731.1	563.1

TEST NUMBER: P1057113

CATALOG NUMBER: CB3-B-125U-085D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	650.9	1548.6	2569.2	996.9	769.2
115°	744.4	1519.0	3645.7	1585.1	1202.5
117.5°	813.1	1445.8	4462.7	2521.7	1945.0
120°	858.9	1446.8	4791.0	3230.3	2586.4
122.5°	912.4	1455.5	4882.6	3933.9	3342.2
125°	992.6	1533.8	4771.9	4811.4	4447.4
127.5°	1072.7	1591.6	4474.1	5172.1	5058.2
130°	1126.2	1630.1	4237.5	5294.9	5210.9
132.5°	1179.6	1668.6	4069.5	5297.8	5340.7
135°	1278.9	1708.1	3865.3	5271.0	5392.3
137.5°	1380.0	1757.0	3674.4	5104.0	5356.0
140°	1441.1	1795.7	3521.7	4923.3	5287.3
142.5°	1509.8	1827.1	3376.6	4755.9	5142.2
145°	1612.9	1864.9	3225.8	4485.6	4905.5
147.5°	1693.1	1885.3	3055.9	4212.9	4560.0
150°	1746.5	1886.5	2987.2	3970.4	4399.7
152.5°	1792.3	1924.8	2903.2	3748.2	4140.1
155°	1861.0	2001.0	2767.7	3424.7	3779.4
157.5°	1929.8	2064.1	2607.4	3183.6	3424.3
160°	1975.6	2087.6	2500.5	3067.2	3225.8
162.5°	2013.7	2110.8	2386.0	2869.2	3050.2
165°	2061.5	2117.5	2223.7	2600.0	2777.3
167.5°	2105.4	2133.4	2237.1	2335.8	2479.5
170°	2128.3	2156.3	2214.2	2310.7	2357.3
172.5°	2151.2	2194.1	2183.6	2249.4	2288.6
175°	2176.0	2222.7	2156.9	2166.9	2185.5
177.5°	2181.7	2204.1	2189.4	2189.9	2212.3
180°	2166.4	2166.4	2166.4	2166.4	2166.4

(END OF REPORT)