

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: P1057107

Luminaire Tested: CB3-B-125U-030D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057107
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-030D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 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: 15054.6 lumens
Efficiency: N/A
Efficacy: 137.7 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

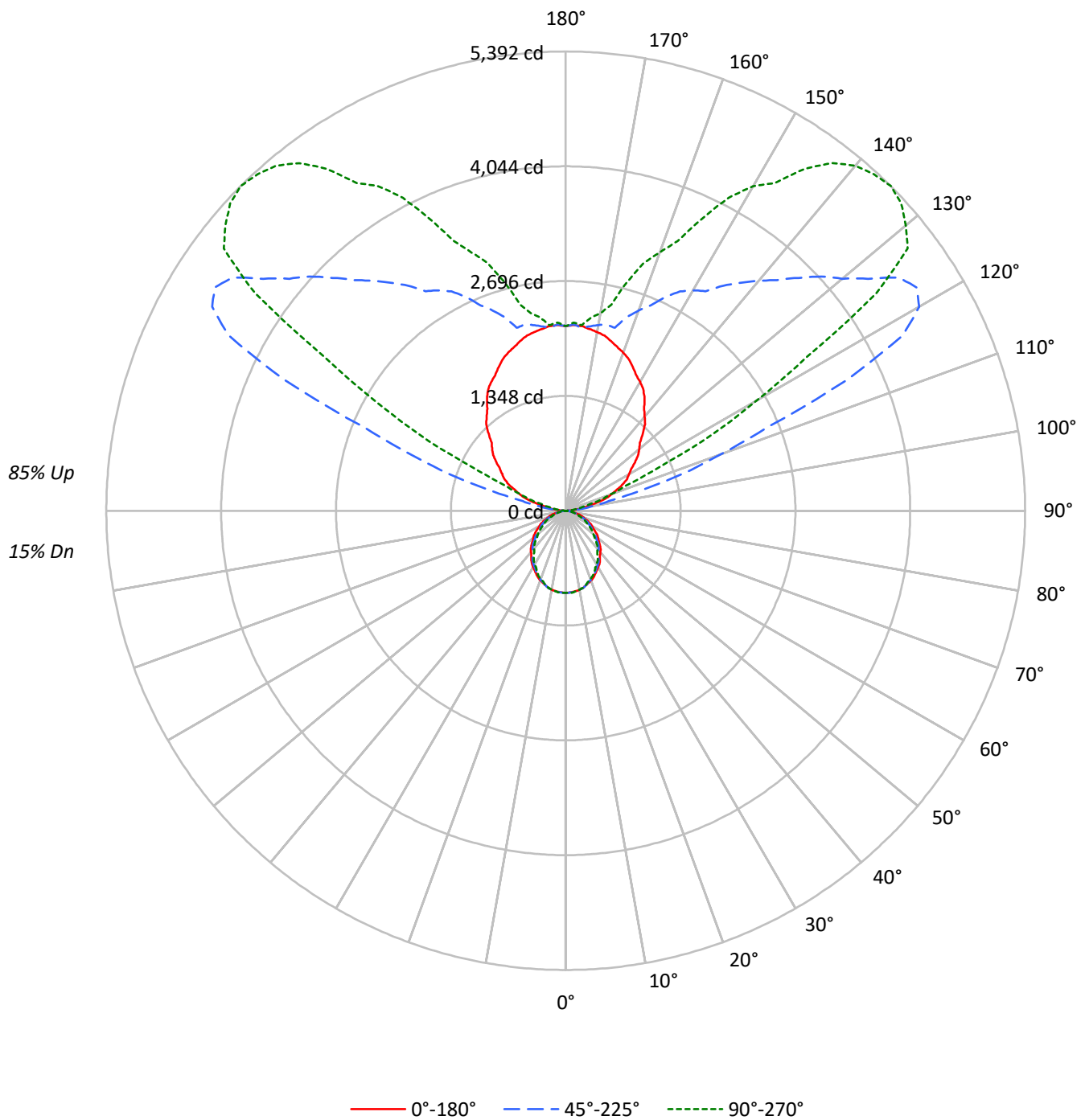
Input Watts (W): 109.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	99	99	99	99	87	87	87	87	64	64	64	43	43	43	24	24	24
1	90	86	82	79	79	76	73	70	56	54	52	38	37	36	21	21	21
2	82	75	69	65	72	66	61	57	49	46	43	33	32	30	19	18	17
3	75	66	59	54	65	58	52	48	43	40	36	30	27	25	17	16	15
4	68	58	51	45	60	51	45	40	38	34	31	26	24	22	15	14	13
5	63	52	44	38	55	46	39	34	34	30	26	23	21	19	14	12	11
6	57	46	39	33	50	41	34	30	31	26	23	21	18	16	12	11	10
7	53	41	34	29	46	37	30	26	28	23	20	19	16	14	11	10	9
8	49	37	30	25	43	33	27	23	25	21	18	17	15	13	10	9	8
9	45	34	27	22	40	30	24	20	23	19	16	16	13	11	9	8	7
10	42	31	24	20	37	27	22	18	21	17	14	15	12	10	9	7	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5463	5463	5463
5°	5438	5442	5473
10°	5414	5406	5406
15°	5331	5331	5299
20°	5244	5191	5145
25°	5112	5048	4958
30°	4987	4857	4741
35°	4855	4676	4510
40°	4681	4458	4265
45°	4522	4264	4000
50°	4358	4033	3742
55°	4181	3809	3497
60°	3988	3578	3220
65°	3764	3314	2929
70°	3505	3007	2610
75°	3178	2638	2324
80°	2769	2212	2056
85°	2136	1869	1869

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4522 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	0.6
10°-20°	256.0	1.7
20°-30°	371.9	2.5
30°-40°	422.9	2.8
40°-50°	410.5	2.7
50°-60°	346.6	2.3
60°-70°	246.6	1.6
70°-80°	131.7	0.9
80°-90°	34.8	0.2
90°-100°	146.5	1.0
100°-110°	767.8	5.1
110°-120°	1932.6	12.8
120°-130°	2981.5	19.8
130°-140°	2729.4	18.1
140°-150°	2014.3	13.4
150°-160°	1284.0	8.5
160°-170°	676.0	4.5
170°-180°	210.5	1.4
0°-30°	719.0	4.8
0°-40°	1141.9	7.6
0°-60°	1899.0	12.6
0°-90°	2312.1	15.4
90°-120°	2846.8	18.9
90°-150°	10572.0	70.2
90°-180°	12743.0	84.6
0°-180°	15054.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	966	966	966	966	966	
5°	958	970	958	957	964	91
15°	910	918	910	905	905	256
25°	819	822	809	798	794	377
35°	703	696	677	657	653	438
45°	565	556	533	507	500	436
55°	424	412	386	361	355	379
65°	281	271	248	226	219	279
75°	145	137	121	108	106	155
85°	33	30	29	29	29	39
90°	0	0	0	0	0	4
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	965.7	965.7	965.7	965.7	965.7
2.5°	960.8	970.4	961.9	963.0	965.2
5°	957.5	969.6	958.2	957.0	963.7
7.5°	950.1	961.1	949.3	946.5	952.6
10°	942.4	954.5	941.0	937.7	941.0
12.5°	928.7	941.3	930.6	925.0	927.9
15°	910.2	918.2	910.2	904.7	904.7
17.5°	887.5	896.0	880.8	876.9	875.5
20°	871.1	878.5	862.2	856.6	854.6
22.5°	849.1	856.0	842.4	833.0	830.5
25°	818.9	821.6	808.7	797.6	794.3
27.5°	788.6	789.3	771.5	758.1	753.7
30°	763.4	764.1	743.5	729.0	725.7
32.5°	738.2	736.1	716.6	699.4	697.1
35°	703.0	696.3	677.0	657.0	653.0
37.5°	660.6	656.6	633.8	613.7	607.7
40°	633.8	627.1	603.6	583.6	577.5
42.5°	606.9	599.1	575.0	552.8	546.2
45°	565.2	556.5	532.9	507.4	500.0
47.5°	523.2	513.7	487.8	463.1	454.9
50°	495.2	485.2	458.2	434.0	425.2
52.5°	466.7	456.1	429.1	404.4	397.3
55°	423.9	412.5	386.2	361.3	354.6
57.5°	381.1	369.8	343.6	320.1	312.1
60°	352.5	341.8	316.2	292.7	284.6
62.5°	323.5	313.3	288.2	265.3	257.8
65°	281.2	271.2	247.6	225.5	218.8
67.5°	239.4	230.8	207.5	187.3	181.9
70°	211.9	203.9	181.8	163.1	157.8
72.5°	185.6	177.0	156.0	140.1	136.4
75°	145.4	137.4	120.7	108.3	106.3
77.5°	108.6	102.1	87.7	80.6	79.6
80°	85.0	79.0	67.9	63.1	63.1
82.5°	63.1	58.1	50.9	48.8	48.8
85°	32.9	30.2	28.8	28.8	28.8
87.5°	9.9	9.9	9.3	8.8	8.8
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

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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)