

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: P1056999

Luminaire Tested: CB2-B-125U-030D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1056999
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-119-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-B-125U-030D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-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: 15827.9 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Indirect

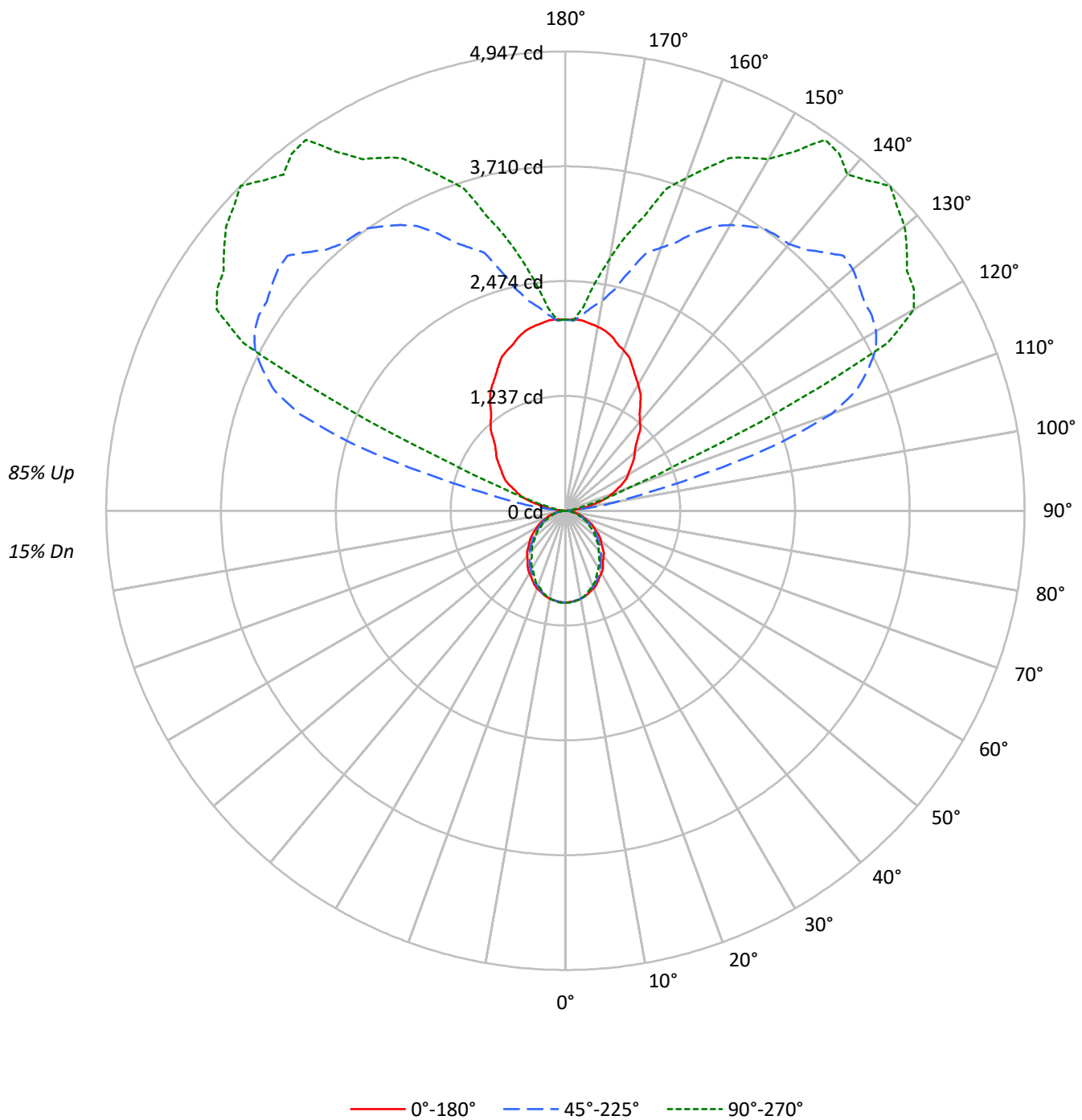
Input Watts (W): 114.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	99	99	99	99	86	86	86	86	64	64	64	43	43	43	24	24	24
1	90	86	82	79	79	75	72	70	56	54	52	38	36	35	21	20	20
2	82	75	69	64	71	66	61	57	49	46	43	33	31	30	18	18	17
3	75	66	59	54	65	58	52	48	43	39	36	29	27	25	16	15	14
4	68	58	51	45	59	51	45	40	38	34	31	26	23	21	15	13	12
5	62	52	44	38	54	45	39	34	34	30	26	23	21	18	13	12	11
6	57	46	38	33	50	41	34	30	30	26	23	21	18	16	12	11	9
7	53	41	34	29	46	37	30	26	27	23	20	19	16	14	11	9	8
8	49	37	30	25	43	33	27	23	25	21	17	17	14	12	10	9	7
9	45	34	27	22	40	30	24	20	23	18	15	16	13	11	9	8	7
10	42	31	24	20	37	27	22	18	21	17	14	14	12	10	8	7	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8636	8636	8636
5°	8562	8576	8635
10°	8513	8494	8487
15°	8378	8323	8256
20°	8246	8064	7952
25°	8025	7799	7581
30°	7803	7459	7177
35°	7547	7111	6772
40°	7276	6785	6387
45°	7004	6442	6013
50°	6758	6110	5647
55°	6456	5764	5303
60°	6110	5436	4959
65°	5741	5069	4616
70°	5337	4660	4176
75°	4855	4216	3782
80°	4343	3691	3425
85°	3337	3038	2508

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7004 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	0.6
10°-20°	259.9	1.6
20°-30°	373.7	2.4
30°-40°	420.1	2.7
40°-50°	405.8	2.6
50°-60°	342.9	2.2
60°-70°	246.3	1.6
70°-80°	134.6	0.9
80°-90°	35.7	0.2
90°-100°	154.1	1.0
100°-110°	954.4	6.0
110°-120°	2406.9	15.2
120°-130°	2893.4	18.3
130°-140°	2623.3	16.6
140°-150°	2091.9	13.2
150°-160°	1426.9	9.0
160°-170°	754.7	4.8
170°-180°	210.0	1.3
0°-30°	726.9	4.6
0°-40°	1147.0	7.2
0°-60°	1895.6	12.0
0°-90°	2312.3	14.6
90°-120°	3515.4	22.2
90°-150°	11124.0	70.3
90°-180°	13516.0	85.4
0°-180°	15827.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	992	992	992	992	992	
5°	979	993	981	981	988	93
15°	929	938	923	914	916	262
25°	835	836	812	793	789	384
35°	710	702	669	643	637	443
45°	569	557	523	496	488	439
55°	425	410	380	356	349	380
65°	279	268	246	228	224	276
75°	144	135	125	115	112	154
85°	33	31	30	26	25	40
90°	0	0	0	0	0	4
95°	80	201	62	44	44	101
105°	390	1092	1578	396	266	410
115°	674	1489	3600	3351	2553	661
125°	878	1805	3928	4469	4495	786
135°	1099	2001	3936	4609	4947	855
145°	1410	2103	3715	4478	4876	881
155°	1711	2145	3307	3986	4194	788
165°	1942	2124	2669	3142	3289	545
175°	2057	2083	2119	2155	2199	195
180°	2057	2057	2057	2057	2057	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	991.6	991.6	991.6	991.6	991.6
2.5°	984.9	996.8	987.9	989.2	991.0
5°	979.4	992.8	981.0	981.1	987.8
7.5°	972.4	985.1	970.2	967.4	973.7
10°	962.7	975.3	960.5	955.2	959.7
12.5°	950.0	962.0	947.7	939.4	943.3
15°	929.3	937.5	923.2	914.2	915.7
17.5°	906.8	911.9	891.4	883.7	882.2
20°	889.8	894.3	870.1	859.4	858.0
22.5°	868.0	871.8	846.4	833.3	831.2
25°	835.2	835.9	811.6	793.3	788.9
27.5°	800.9	798.5	771.5	749.9	744.1
30°	776.0	773.0	741.8	718.9	713.7
32.5°	749.2	743.9	712.6	687.9	682.7
35°	709.9	701.7	668.9	642.9	637.0
37.5°	668.0	658.8	626.5	598.3	591.6
40°	640.0	629.7	596.8	568.5	561.8
42.5°	612.1	600.5	567.0	538.8	531.5
45°	568.7	556.8	523.1	495.6	488.2
47.5°	527.4	512.2	479.5	452.2	444.8
50°	498.8	482.5	451.0	424.3	416.8
52.5°	469.7	452.7	422.4	396.9	389.5
55°	425.2	409.6	379.6	355.9	349.3
57.5°	381.1	366.1	338.8	316.2	309.6
60°	350.8	338.2	312.1	290.7	284.7
62.5°	321.6	310.2	285.3	265.8	259.8
65°	278.6	268.3	246.0	228.4	224.0
67.5°	236.9	226.5	208.5	192.7	187.7
70°	209.6	199.2	183.0	168.5	164.0
72.5°	183.4	172.4	159.3	146.0	142.7
75°	144.3	135.3	125.3	115.3	112.4
77.5°	109.6	101.0	93.7	86.7	85.9
80°	86.6	79.1	73.6	69.1	68.3
82.5°	64.7	59.0	55.4	52.1	51.9
85°	33.4	31.2	30.4	26.5	25.1
87.5°	9.7	9.7	8.5	7.3	7.3
90°	0.0	0.0	0.0	0.0	0.0
92.5°	21.3	35.1	14.2	14.2	14.2
95°	79.8	201.2	62.1	44.3	44.3
97.5°	166.7	482.2	335.1	90.2	78.0
100°	230.5	698.6	576.3	132.4	106.4
102.5°	294.4	887.3	909.7	209.9	163.1
105°	390.1	1092.3	1578.2	396.0	266.0
107.5°	484.1	1226.2	2418.7	817.2	493.0
110°	540.8	1303.7	3049.9	1274.0	762.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	597.6	1381.3	3397.5	2042.2	1315.7
115°	673.8	1488.7	3599.6	3351.0	2553.4
117.5°	737.7	1587.2	3773.4	4144.0	3909.9
120°	780.2	1664.5	3865.6	4257.5	4335.5
122.5°	822.8	1720.9	3915.2	4301.6	4449.0
125°	877.7	1805.3	3927.7	4469.1	4495.1
127.5°	932.7	1869.0	3986.2	4623.0	4635.2
130°	975.3	1911.5	4042.9	4674.6	4769.9
132.5°	1024.9	1947.3	4064.2	4704.1	4848.0
135°	1099.4	2001.0	3936.5	4609.2	4947.3
137.5°	1193.4	2039.5	3814.2	4606.4	4824.9
140°	1250.1	2047.7	3750.3	4708.3	4725.6
142.5°	1313.9	2069.9	3736.2	4697.1	4846.2
145°	1409.7	2103.2	3714.9	4477.6	4876.3
147.5°	1505.5	2124.4	3633.3	4235.3	4583.7
150°	1569.3	2132.8	3555.3	4154.2	4371.0
152.5°	1633.1	2141.1	3456.0	4103.8	4285.9
155°	1711.1	2144.6	3307.0	3985.6	4193.6
157.5°	1792.7	2134.3	3127.9	3769.7	3996.8
160°	1835.3	2121.4	3014.5	3613.0	3812.4
162.5°	1877.8	2115.4	2915.2	3408.1	3642.2
165°	1941.7	2123.7	2668.7	3141.9	3289.3
167.5°	1984.2	2116.0	2438.2	2825.9	3034.0
170°	2012.6	2116.6	2296.3	2584.0	2757.3
172.5°	2033.9	2082.4	2211.2	2362.8	2480.7
175°	2056.9	2082.9	2119.0	2155.4	2198.8
177.5°	2064.0	2077.9	2049.8	2043.1	2056.9
180°	2056.9	2056.9	2056.9	2056.9	2056.9

(END OF REPORT)