

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: P1056998

Luminaire Tested: CB2-B-125U-030D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1056998
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14507.3 lumens
Efficiency: N/A
Efficacy: 126.9 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

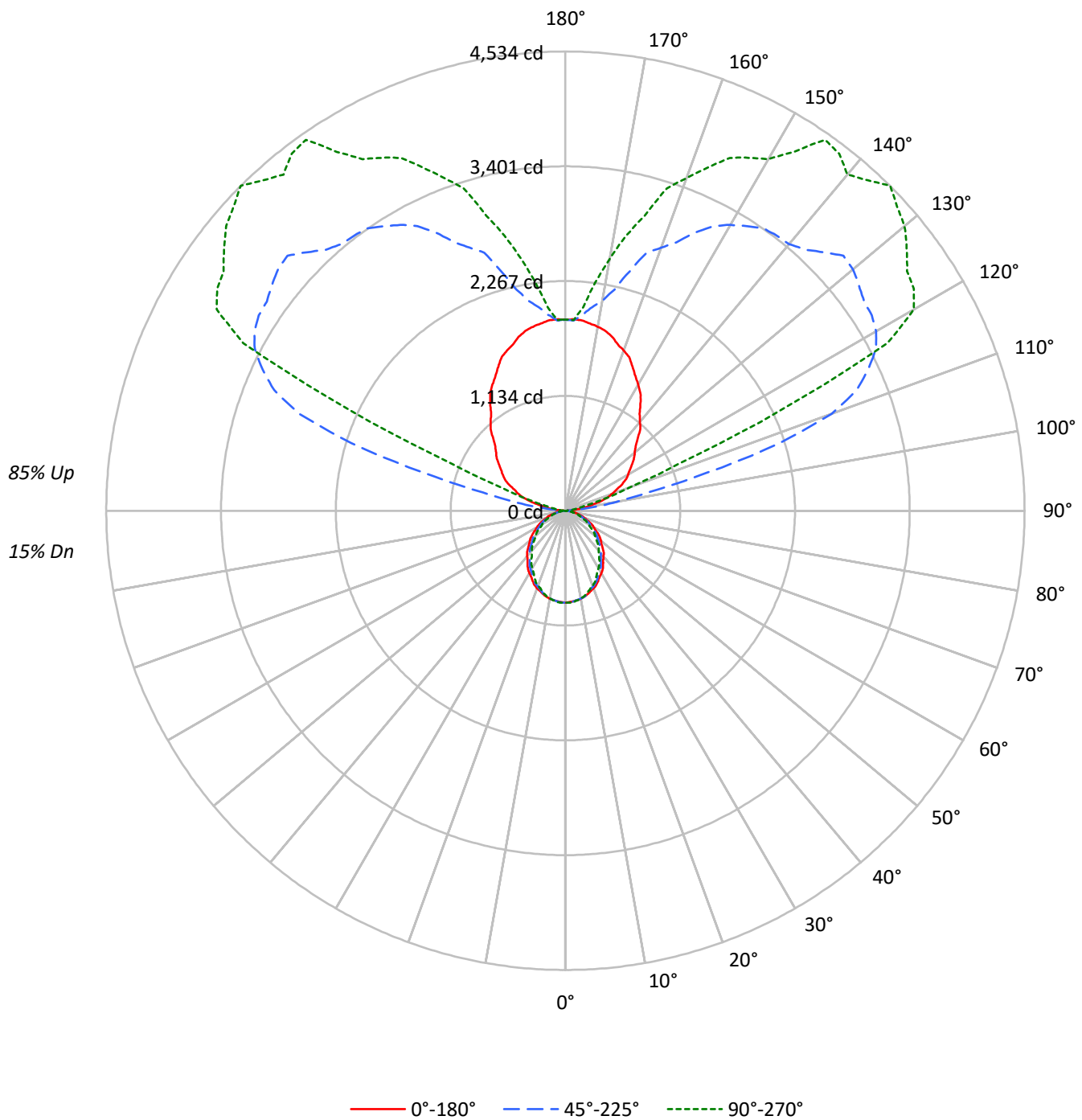
Input Watts (W): 114.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	7915	7915	7915
5°	7848	7860	7915
10°	7803	7785	7778
15°	7680	7629	7567
20°	7559	7391	7288
25°	7356	7148	6947
30°	7152	6837	6579
35°	6918	6518	6208
40°	6669	6218	5855
45°	6419	5905	5511
50°	6194	5601	5177
55°	5917	5284	4860
60°	5600	4981	4546
65°	5263	4647	4231
70°	4891	4270	3827
75°	4448	3863	3466
80°	3977	3385	3139
85°	3058	2778	2298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6419 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	0.6
10°-20°	238.2	1.6
20°-30°	342.6	2.4
30°-40°	385.0	2.7
40°-50°	371.9	2.6
50°-60°	314.3	2.2
60°-70°	225.7	1.6
70°-80°	123.4	0.9
80°-90°	32.8	0.2
90°-100°	141.3	1.0
100°-110°	874.8	6.0
110°-120°	2206.1	15.2
120°-130°	2652.0	18.3
130°-140°	2404.4	16.6
140°-150°	1917.3	13.2
150°-160°	1307.9	9.0
160°-170°	691.7	4.8
170°-180°	192.5	1.3
0°-30°	666.3	4.6
0°-40°	1051.3	7.2
0°-60°	1737.5	12.0
0°-90°	2119.3	14.6
90°-120°	3222.2	22.2
90°-150°	10195.9	70.3
90°-180°	12388.0	85.4
0°-180°	14507.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	909	909	909	909	909	
5°	898	910	899	899	905	85
15°	852	859	846	838	839	240
25°	766	766	744	727	723	352
35°	651	643	613	589	584	406
45°	521	510	480	454	448	403
55°	390	375	348	326	320	348
65°	255	246	226	209	205	253
75°	132	124	115	106	103	141
85°	31	29	28	24	23	36
90°	0	0	0	0	0	4
95°	73	184	57	41	41	93
105°	358	1001	1446	363	244	376
115°	618	1364	3299	3071	2340	606
125°	804	1655	3600	4096	4120	720
135°	1008	1834	3608	4225	4534	783
145°	1292	1928	3405	4104	4470	808
155°	1568	1966	3031	3653	3844	722
165°	1780	1946	2446	2880	3015	499
175°	1885	1909	1942	1976	2015	178
180°	1885	1885	1885	1885	1885	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	908.9	908.9	908.9	908.9	908.9
2.5°	902.7	913.6	905.5	906.7	908.3
5°	897.7	910.0	899.1	899.2	905.4
7.5°	891.3	902.9	889.2	886.7	892.4
10°	882.4	894.0	880.3	875.5	879.6
12.5°	870.7	881.7	868.6	861.1	864.6
15°	851.8	859.3	846.2	837.9	839.3
17.5°	831.2	835.8	817.0	810.0	808.6
20°	815.6	819.7	797.5	787.7	786.4
22.5°	795.6	799.1	775.8	763.8	761.9
25°	765.5	766.2	743.9	727.1	723.0
27.5°	734.0	731.9	707.2	687.3	682.0
30°	711.2	708.5	679.9	658.9	654.2
32.5°	686.7	681.8	653.2	630.5	625.8
35°	650.7	643.2	613.1	589.3	583.9
37.5°	612.3	603.8	574.3	548.4	542.2
40°	586.6	577.1	547.0	521.1	515.0
42.5°	561.0	550.4	519.7	493.8	487.1
45°	521.2	510.3	479.5	454.3	447.5
47.5°	483.4	469.5	439.5	414.5	407.7
50°	457.2	442.2	413.4	388.9	382.1
52.5°	430.5	415.0	387.2	363.8	357.0
55°	389.7	375.4	348.0	326.2	320.1
57.5°	349.3	335.6	310.5	289.8	283.8
60°	321.5	309.9	286.0	266.4	261.0
62.5°	294.8	284.3	261.5	243.6	238.1
65°	255.4	245.9	225.5	209.4	205.3
67.5°	217.1	207.6	191.1	176.7	172.0
70°	192.1	182.5	167.7	154.4	150.3
72.5°	168.1	158.1	146.0	133.8	130.8
75°	132.2	124.1	114.8	105.7	103.0
77.5°	100.5	92.6	85.9	79.5	78.8
80°	79.3	72.5	67.5	63.3	62.6
82.5°	59.3	54.1	50.8	47.7	47.6
85°	30.6	28.6	27.8	24.3	23.0
87.5°	8.9	8.9	7.8	6.7	6.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	19.5	32.2	13.0	13.0	13.0
95°	73.1	184.4	56.9	40.6	40.6
97.5°	152.8	442.0	307.2	82.6	71.5
100°	211.3	640.4	528.2	121.4	97.5
102.5°	269.8	813.3	833.8	192.4	149.5
105°	357.6	1001.2	1446.5	363.0	243.8
107.5°	443.7	1123.9	2216.9	749.0	451.8
110°	495.7	1194.9	2795.5	1167.7	698.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	547.7	1266.0	3114.0	1871.8	1206.0
115°	617.6	1364.5	3299.3	3071.4	2340.4
117.5°	676.1	1454.8	3458.6	3798.3	3583.7
120°	715.1	1525.6	3543.1	3902.3	3973.8
122.5°	754.1	1577.3	3588.6	3942.7	4077.8
125°	804.5	1654.7	3600.0	4096.2	4120.1
127.5°	854.9	1713.0	3653.6	4237.3	4248.5
130°	893.9	1752.0	3705.6	4284.6	4372.0
132.5°	939.4	1784.8	3725.1	4311.6	4443.5
135°	1007.7	1834.0	3608.1	4224.6	4534.5
137.5°	1093.8	1869.3	3496.0	4222.1	4422.4
140°	1145.8	1876.8	3437.4	4315.5	4331.3
142.5°	1204.3	1897.2	3424.4	4305.2	4441.9
145°	1292.1	1927.8	3404.9	4104.0	4469.5
147.5°	1379.9	1947.2	3330.2	3881.9	4201.3
150°	1438.4	1954.8	3258.7	3807.6	4006.3
152.5°	1496.9	1962.5	3167.7	3761.4	3928.3
155°	1568.4	1965.7	3031.1	3653.1	3843.8
157.5°	1643.1	1956.2	2867.0	3455.2	3663.4
160°	1682.2	1944.4	2763.0	3311.6	3494.3
162.5°	1721.2	1938.9	2671.9	3123.8	3338.3
165°	1779.7	1946.5	2446.0	2879.8	3014.9
167.5°	1818.7	1939.5	2234.7	2590.1	2780.8
170°	1844.7	1940.0	2104.7	2368.4	2527.3
172.5°	1864.2	1908.7	2026.7	2165.7	2273.8
175°	1885.3	1909.2	1942.2	1975.6	2015.3
177.5°	1891.8	1904.5	1878.8	1872.6	1885.3
180°	1885.3	1885.3	1885.3	1885.3	1885.3

(END OF REPORT)