

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: P1057007

Luminaire Tested: CB2-B-125U-120D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057007
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-120D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 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: 21185.4 lumens
Efficiency: N/A
Efficacy: 115.0 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: General Diffuse

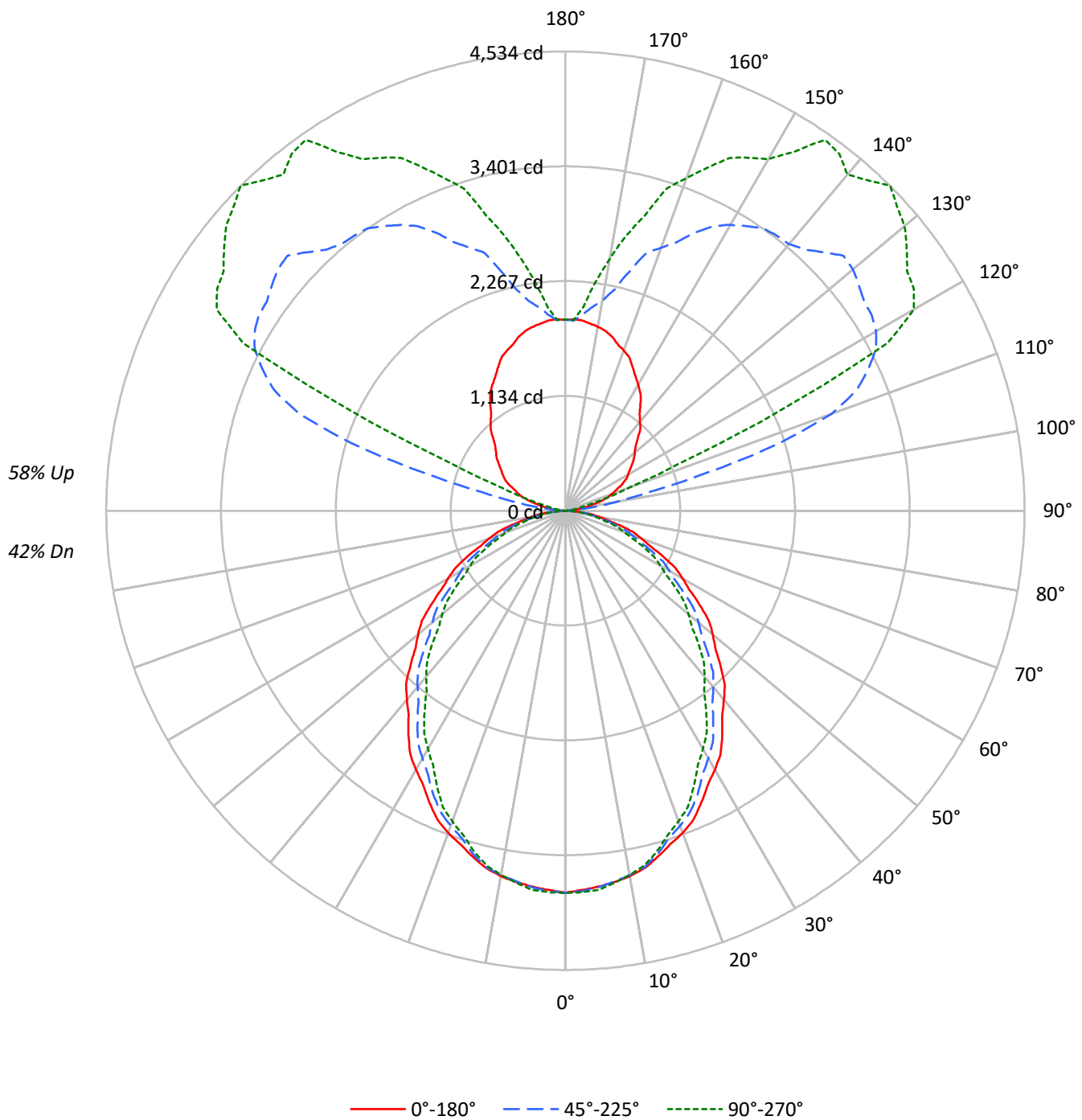
Input Watts (W): 184.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	48	48	48
1	96	92	88	85	87	84	81	78	69	67	65	55	54	53	43	42	41
2	88	80	74	69	80	74	68	64	61	57	54	49	46	44	38	36	35
3	80	71	64	58	73	65	59	54	54	49	45	43	40	37	34	32	30
4	73	63	55	49	67	57	51	46	48	43	39	39	35	32	30	28	26
5	67	56	48	42	61	51	44	39	43	38	34	35	31	28	27	25	23
6	62	50	42	36	56	46	39	34	39	33	29	31	28	25	25	22	20
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	23	20	18
8	53	41	33	28	48	38	31	26	32	27	23	26	22	19	21	18	16
9	49	37	30	25	45	35	28	24	29	24	21	24	20	17	19	17	14
10	46	34	27	23	42	32	25	21	27	22	18	22	18	16	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32854	32854	32854
5°	32576	32627	32854
10°	32391	32314	32288
15°	31878	31669	31410
20°	31375	30679	30251
25°	30533	29672	28840
30°	29687	28381	27306
35°	28714	27056	25766
40°	27684	25812	24301
45°	26647	24512	22876
50°	25713	23248	21486
55°	24562	21929	20175
60°	23245	20680	18868
65°	21845	19286	17561
70°	20301	17727	15889
75°	18469	16037	14384
80°	16515	14052	13039
85°	12700	11541	9522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26647 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.8	1.7
10°-20°	988.9	4.7
20°-30°	1421.9	6.7
30°-40°	1598.2	7.5
40°-50°	1543.9	7.3
50°-60°	1304.5	6.2
60°-70°	937.0	4.4
70°-80°	512.1	2.4
80°-90°	136.0	0.6
90°-100°	141.3	0.7
100°-110°	874.8	4.1
110°-120°	2206.1	10.4
120°-130°	2652.0	12.5
130°-140°	2404.4	11.3
140°-150°	1917.3	9.1
150°-160°	1307.9	6.2
160°-170°	691.7	3.3
170°-180°	192.5	0.9
0°-30°	2765.7	13.1
0°-40°	4363.9	20.6
0°-60°	7212.3	34.0
0°-90°	8797.4	41.5
90°-120°	3222.2	15.2
90°-150°	10195.9	48.1
90°-180°	12388.0	58.5
0°-180°	21185.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3773	3773	3773	3773	3773	
5°	3726	3777	3732	3733	3758	354
15°	3536	3567	3513	3478	3484	997
25°	3178	3180	3088	3018	3001	1463
35°	2701	2670	2545	2446	2424	1687
45°	2164	2118	1990	1886	1857	1672
55°	1618	1558	1444	1354	1329	1446
65°	1060	1021	936	869	852	1051
75°	549	515	477	439	428	587
85°	127	119	116	101	95	151
90°	0	0	0	0	0	8
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°	3772.6	3772.6	3772.6	3772.6	3772.6
2.5°	3747.2	3792.4	3758.8	3763.5	3770.3
5°	3726.4	3777.3	3732.2	3732.8	3758.2
7.5°	3699.8	3747.9	3691.2	3680.7	3704.5
10°	3662.9	3710.9	3654.2	3634.4	3651.3
12.5°	3614.3	3660.1	3605.7	3574.2	3588.9
15°	3535.8	3566.8	3512.6	3478.1	3483.8
17.5°	3450.3	3469.5	3391.3	3362.3	3356.7
20°	3385.5	3402.5	3310.4	3269.9	3264.2
22.5°	3302.4	3317.0	3220.3	3170.4	3162.5
25°	3177.6	3180.4	3088.0	3018.3	3001.4
27.5°	3047.0	3038.0	2935.5	2852.9	2830.9
30°	2952.2	2940.9	2822.3	2735.1	2715.4
32.5°	2850.6	2830.2	2711.3	2617.3	2597.5
35°	2700.9	2669.9	2544.9	2446.2	2423.6
37.5°	2541.5	2506.4	2383.7	2276.3	2250.9
40°	2435.2	2395.6	2270.5	2163.1	2137.6
42.5°	2328.9	2284.8	2157.3	2049.8	2022.1
45°	2163.6	2118.4	1990.3	1885.7	1857.4
47.5°	2006.5	1948.9	1824.5	1720.4	1692.2
50°	1897.9	1835.7	1715.9	1614.1	1585.9
52.5°	1786.9	1722.5	1607.3	1510.1	1481.9
55°	1617.7	1558.4	1444.3	1354.2	1328.8
57.5°	1450.1	1393.1	1288.9	1202.9	1178.0
60°	1334.6	1286.6	1187.3	1105.9	1083.3
62.5°	1223.6	1180.2	1085.6	1011.1	988.5
65°	1060.1	1020.6	935.9	869.1	852.2
67.5°	901.3	861.7	793.2	733.3	714.1
70°	797.3	757.7	696.2	640.9	624.0
72.5°	697.9	656.1	606.0	555.5	543.1
75°	548.9	515.0	476.6	438.8	427.5
77.5°	417.1	384.4	356.5	329.8	327.0
80°	329.3	301.1	280.2	262.8	260.0
82.5°	246.1	224.7	210.9	198.2	197.6
85°	127.1	118.6	115.5	101.0	95.3
87.5°	37.0	37.0	32.4	27.7	27.7
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)