

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: P1057004

Luminaire Tested: CB2-B-125U-085D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057004
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-085D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 850 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: 18567.8 lumens
Efficiency: N/A
Efficacy: 122.4 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

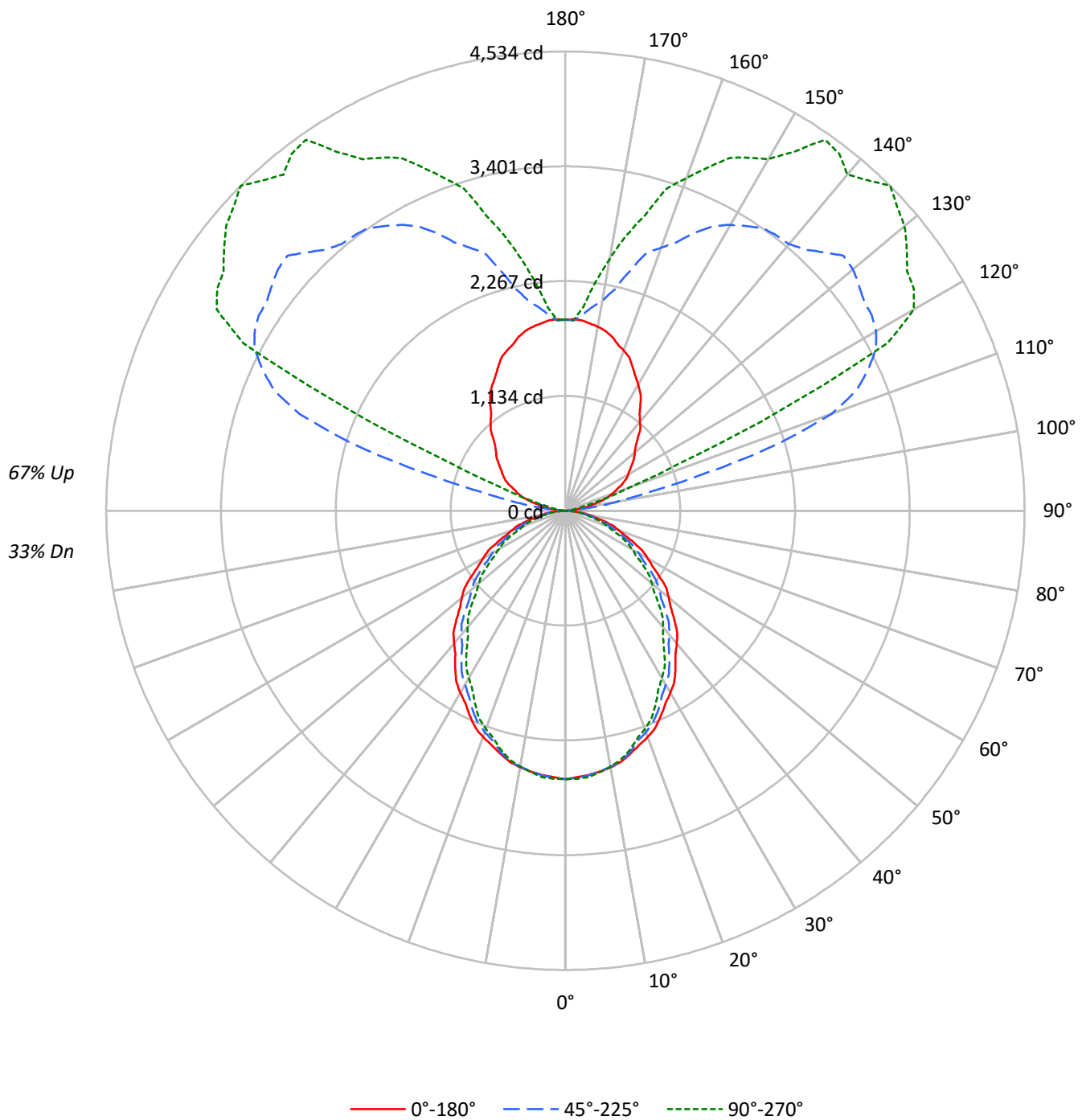
Input Watts (W): 151.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41
1	94	90	86	83	85	81	78	75	65	63	61	50	49	47	36	35	35
2	86	79	73	68	77	71	66	62	57	54	51	44	42	40	32	31	29
3	78	69	62	57	70	63	57	52	50	46	43	39	36	34	28	27	25
4	72	61	54	48	64	56	49	44	45	40	36	35	32	29	25	23	22
5	66	55	47	41	59	50	43	38	40	35	31	31	28	25	23	21	19
6	60	49	41	35	54	44	38	33	36	31	27	28	25	22	21	19	17
7	56	44	36	31	50	40	33	29	33	28	24	26	22	19	19	17	15
8	52	40	32	27	47	36	30	25	30	25	21	23	20	17	18	15	13
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12
10	45	33	26	22	41	30	24	20	25	20	17	20	16	14	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23080	23080	23080
5°	22884	22919	23079
10°	22753	22700	22681
15°	22394	22247	22064
20°	22040	21552	21251
25°	21448	20844	20260
30°	20855	19936	19182
35°	20171	19006	18100
40°	19447	18133	17071
45°	18719	17219	16070
50°	18063	16331	15093
55°	17254	15405	14172
60°	16329	14526	13255
65°	15346	13549	12335
70°	14262	12451	11160
75°	12975	11265	10104
80°	11600	9870	9158
85°	8923	8114	6695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 18719 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.2	1.3
10°-20°	694.7	3.7
20°-30°	998.9	5.4
30°-40°	1122.7	6.0
40°-50°	1084.5	5.8
50°-60°	916.4	4.9
60°-70°	658.2	3.5
70°-80°	359.7	1.9
80°-90°	95.5	0.5
90°-100°	141.3	0.8
100°-110°	874.8	4.7
110°-120°	2206.1	11.9
120°-130°	2652.0	14.3
130°-140°	2404.4	12.9
140°-150°	1917.3	10.3
150°-160°	1307.9	7.0
160°-170°	691.7	3.7
170°-180°	192.5	1.0
0°-30°	1942.8	10.5
0°-40°	3065.5	16.5
0°-60°	5066.4	27.3
0°-90°	6179.9	33.3
90°-120°	3222.2	17.4
90°-150°	10195.9	54.9
90°-180°	12388.0	66.7
0°-180°	18567.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2650	2650	2650	2650	2650	
5°	2618	2653	2622	2622	2640	249
15°	2484	2506	2468	2443	2447	700
25°	2232	2234	2169	2120	2108	1028
35°	1897	1876	1788	1718	1702	1185
45°	1520	1488	1398	1325	1305	1174
55°	1136	1095	1015	951	933	1016
65°	745	717	658	610	599	738
75°	386	362	335	308	300	412
85°	89	83	81	71	67	106
90°	0	0	0	0	0	6
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°	2650.2	2650.2	2650.2	2650.2	2650.2
2.5°	2632.3	2664.0	2640.4	2643.8	2648.5
5°	2617.7	2653.4	2621.7	2622.2	2640.0
7.5°	2599.0	2632.7	2592.9	2585.6	2602.3
10°	2573.0	2606.8	2567.0	2553.0	2564.9
12.5°	2539.0	2571.1	2532.9	2510.8	2521.1
15°	2483.8	2505.6	2467.5	2443.3	2447.2
17.5°	2423.7	2437.2	2382.3	2361.9	2357.9
20°	2378.2	2390.1	2325.5	2297.0	2293.0
22.5°	2319.8	2330.1	2262.2	2227.1	2221.6
25°	2232.1	2234.1	2169.2	2120.3	2108.4
27.5°	2140.4	2134.1	2062.1	2004.1	1988.6
30°	2073.9	2065.9	1982.5	1921.3	1907.5
32.5°	2002.4	1988.1	1904.6	1838.6	1824.7
35°	1897.3	1875.5	1787.7	1718.4	1702.5
37.5°	1785.3	1760.7	1674.5	1599.0	1581.2
40°	1710.6	1682.8	1595.0	1519.5	1501.6
42.5°	1636.0	1605.0	1515.4	1439.9	1420.4
45°	1519.9	1488.1	1398.1	1324.6	1304.8
47.5°	1409.5	1369.0	1281.7	1208.6	1188.7
50°	1333.2	1289.5	1205.4	1133.9	1114.0
52.5°	1255.3	1210.0	1129.1	1060.8	1041.0
55°	1136.4	1094.7	1014.6	951.3	933.4
57.5°	1018.7	978.6	905.4	845.0	827.5
60°	937.5	903.8	834.0	776.8	761.0
62.5°	859.6	829.0	762.6	710.3	694.4
65°	744.7	716.9	657.5	610.5	598.6
67.5°	633.1	605.3	557.2	515.1	501.6
70°	560.1	532.3	489.0	450.2	438.3
72.5°	490.3	460.9	425.7	390.2	381.5
75°	385.6	361.7	334.8	308.3	300.3
77.5°	293.0	270.0	250.4	231.7	229.7
80°	231.3	211.5	196.8	184.6	182.6
82.5°	172.9	157.8	148.1	139.2	138.8
85°	89.3	83.3	81.2	70.9	67.0
87.5°	26.0	26.0	22.7	19.5	19.5
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)