

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: P1057114

Luminaire Tested: CB3-B-125U-085D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057114
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-085D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19224.6 lumens
Efficiency: N/A
Efficacy: 133.0 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

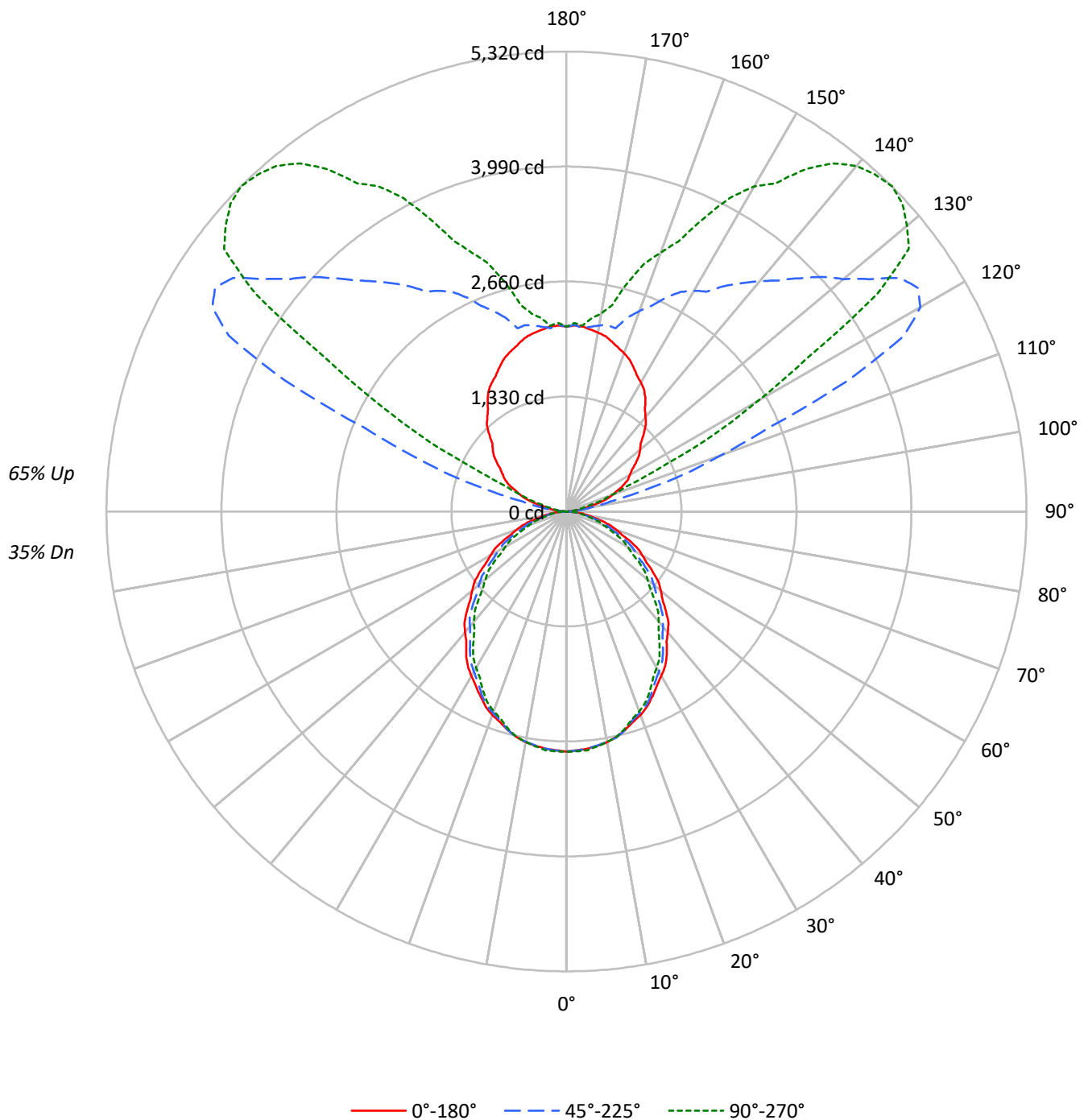
Input Watts (W): 144.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	75	75	75	58	58	58	42	42	42
1	94	90	87	83	85	82	79	76	66	63	62	51	49	48	37	36	36
2	86	79	73	68	78	72	67	62	58	54	51	45	42	40	33	31	30
3	79	69	62	57	71	63	57	52	51	47	43	40	37	34	29	27	26
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22
5	66	55	47	41	59	50	43	38	40	35	32	32	28	25	24	21	20
6	61	49	41	36	55	45	38	33	36	31	28	29	25	22	21	19	17
7	56	44	36	31	51	40	34	29	33	28	24	26	22	20	20	17	15
8	52	40	33	27	47	37	30	25	30	25	21	24	20	18	18	16	14
9	48	36	29	24	44	33	27	23	27	23	19	22	18	16	17	14	12
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15719	15719	15719
5°	15644	15656	15745
10°	15576	15553	15553
15°	15337	15337	15244
20°	15088	14933	14803
25°	14708	14523	14264
30°	14347	13974	13638
35°	13969	13451	12974
40°	13466	12824	12271
45°	13009	12267	11510
50°	12539	11602	10768
55°	12028	10958	10062
60°	11476	10293	9266
65°	10831	9536	8427
70°	10087	8649	7508
75°	9143	7591	6686
80°	7972	6366	5913
85°	6147	5381	5381

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13009 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.2	1.4
10°-20°	736.5	3.8
20°-30°	1070.0	5.6
30°-40°	1216.6	6.3
40°-50°	1181.0	6.1
50°-60°	997.1	5.2
60°-70°	709.4	3.7
70°-80°	379.0	2.0
80°-90°	100.1	0.5
90°-100°	144.5	0.8
100°-110°	757.5	3.9
110°-120°	1906.8	9.9
120°-130°	2941.7	15.3
130°-140°	2693.0	14.0
140°-150°	1987.5	10.3
150°-160°	1266.9	6.6
160°-170°	667.0	3.5
170°-180°	207.7	1.1
0°-30°	2068.7	10.8
0°-40°	3285.3	17.1
0°-60°	5463.4	28.4
0°-90°	6652.0	34.6
90°-120°	2808.9	14.6
90°-150°	10431.1	54.3
90°-180°	12573.0	65.4
0°-180°	19224.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2778	2778	2778	2778	2778	
5°	2755	2790	2757	2753	2772	261
15°	2619	2642	2619	2603	2603	738
25°	2356	2364	2327	2295	2285	1086
35°	2023	2003	1948	1890	1879	1260
45°	1626	1601	1533	1460	1439	1254
55°	1220	1187	1111	1040	1020	1090
65°	809	780	712	649	630	801
75°	418	395	347	312	306	446
85°	95	87	83	83	83	112
90°	0	0	0	0	0	7
95°	75	213	85	47	47	95
105°	386	1196	866	356	292	412
115°	734	1499	3597	1564	1186	715
125°	979	1513	4708	4747	4388	876
135°	1262	1685	3814	5201	5320	975
145°	1591	1840	3183	4426	4840	989
155°	1836	1974	2731	3379	3729	847
165°	2034	2089	2194	2565	2740	573
175°	2147	2193	2128	2138	2156	203
180°	2138	2138	2138	2138	2138	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2778.5	2778.5	2778.5	2778.5	2778.5
2.5°	2764.3	2792.0	2767.4	2770.7	2776.9
5°	2754.8	2789.5	2756.8	2753.2	2772.5
7.5°	2733.5	2765.1	2731.1	2723.2	2740.6
10°	2711.4	2746.1	2707.4	2697.8	2707.4
12.5°	2671.9	2708.2	2677.4	2661.4	2669.5
15°	2618.6	2641.8	2618.6	2602.8	2602.8
17.5°	2553.5	2577.8	2534.2	2523.0	2518.8
20°	2506.1	2527.4	2480.5	2464.6	2458.8
22.5°	2443.0	2462.7	2423.7	2396.6	2389.3
25°	2356.2	2363.9	2326.6	2294.8	2285.1
27.5°	2268.9	2270.9	2219.6	2181.0	2168.3
30°	2196.3	2198.3	2139.1	2097.4	2087.8
32.5°	2123.7	2117.9	2061.7	2012.3	2005.7
35°	2022.7	2003.4	1947.7	1890.2	1878.6
37.5°	1900.7	1889.1	1823.4	1765.7	1748.4
40°	1823.4	1804.1	1736.5	1678.9	1661.6
42.5°	1746.0	1723.6	1654.4	1590.5	1571.6
45°	1626.0	1600.9	1533.3	1459.8	1438.6
47.5°	1505.3	1477.9	1403.4	1332.3	1308.7
50°	1424.7	1395.8	1318.2	1248.6	1223.5
52.5°	1342.7	1312.2	1234.5	1163.4	1143.0
55°	1219.5	1186.7	1111.0	1039.5	1020.2
57.5°	1096.4	1064.0	988.6	921.0	897.9
60°	1014.3	983.4	909.7	842.1	818.9
62.5°	930.6	901.3	829.2	763.2	741.6
65°	809.1	780.1	712.4	648.8	629.5
67.5°	688.7	664.0	597.1	538.8	523.3
70°	609.8	586.6	522.9	469.3	453.9
72.5°	534.0	509.3	448.7	403.1	392.3
75°	418.3	395.2	347.3	311.7	305.9
77.5°	312.6	293.7	252.2	232.0	228.9
80°	244.7	227.3	195.4	181.5	181.5
82.5°	181.5	167.3	146.4	140.5	140.5
85°	94.7	87.0	82.9	82.9	82.9
87.5°	28.4	28.4	26.8	25.3	25.3
90°	0.0	0.0	0.0	0.0	0.0
92.5°	22.6	52.1	15.1	7.7	15.1
95°	75.3	213.4	84.7	47.1	47.1
97.5°	156.3	476.7	218.5	116.5	105.5
100°	216.6	676.9	339.0	169.1	150.7
102.5°	284.4	877.3	512.3	229.0	195.9
105°	386.1	1196.3	866.3	356.4	291.9
107.5°	499.1	1414.3	1427.6	549.4	442.6
110°	574.4	1504.4	1902.2	721.3	555.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	642.2	1528.0	2534.9	983.6	759.0
115°	734.5	1498.7	3597.1	1564.0	1186.5
117.5°	802.3	1426.6	4403.2	2488.1	1919.1
120°	847.5	1427.6	4727.1	3187.2	2551.9
122.5°	900.2	1436.1	4817.5	3881.4	3297.7
125°	979.3	1513.4	4708.3	4747.2	4388.1
127.5°	1058.4	1570.4	4414.5	5103.1	4990.8
130°	1111.2	1608.4	4181.0	5224.3	5141.5
132.5°	1163.9	1646.4	4015.2	5227.2	5269.5
135°	1261.8	1685.4	3813.7	5200.7	5320.4
137.5°	1361.6	1733.6	3625.4	5036.0	5284.6
140°	1421.9	1771.8	3474.7	4857.7	5216.8
142.5°	1489.7	1802.8	3331.6	4692.5	5073.7
145°	1591.4	1840.0	3182.8	4425.8	4840.1
147.5°	1670.5	1860.2	3015.2	4156.7	4499.3
150°	1723.2	1861.3	2947.4	3917.5	4341.1
152.5°	1768.4	1899.2	2864.5	3698.2	4084.9
155°	1836.2	1974.3	2730.8	3379.1	3729.0
157.5°	1904.0	2036.6	2572.6	3141.1	3378.7
160°	1949.2	2059.7	2467.1	3026.3	3182.8
162.5°	1986.9	2082.7	2354.2	2830.9	3009.5
165°	2034.0	2089.2	2194.1	2565.3	2740.2
167.5°	2077.3	2104.9	2207.3	2304.6	2446.4
170°	2099.9	2127.5	2184.7	2279.9	2325.9
172.5°	2122.5	2164.9	2154.5	2219.4	2258.1
175°	2147.0	2193.0	2128.2	2138.0	2156.4
177.5°	2152.6	2174.7	2160.2	2160.7	2182.8
180°	2137.6	2137.6	2137.6	2137.6	2137.6

(END OF REPORT)