

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: P1057111

Luminaire Tested: CB3-B-125U-055D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057111
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-055D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 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: 16930.7 lumens
Efficiency: N/A
Efficacy: 135.1 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

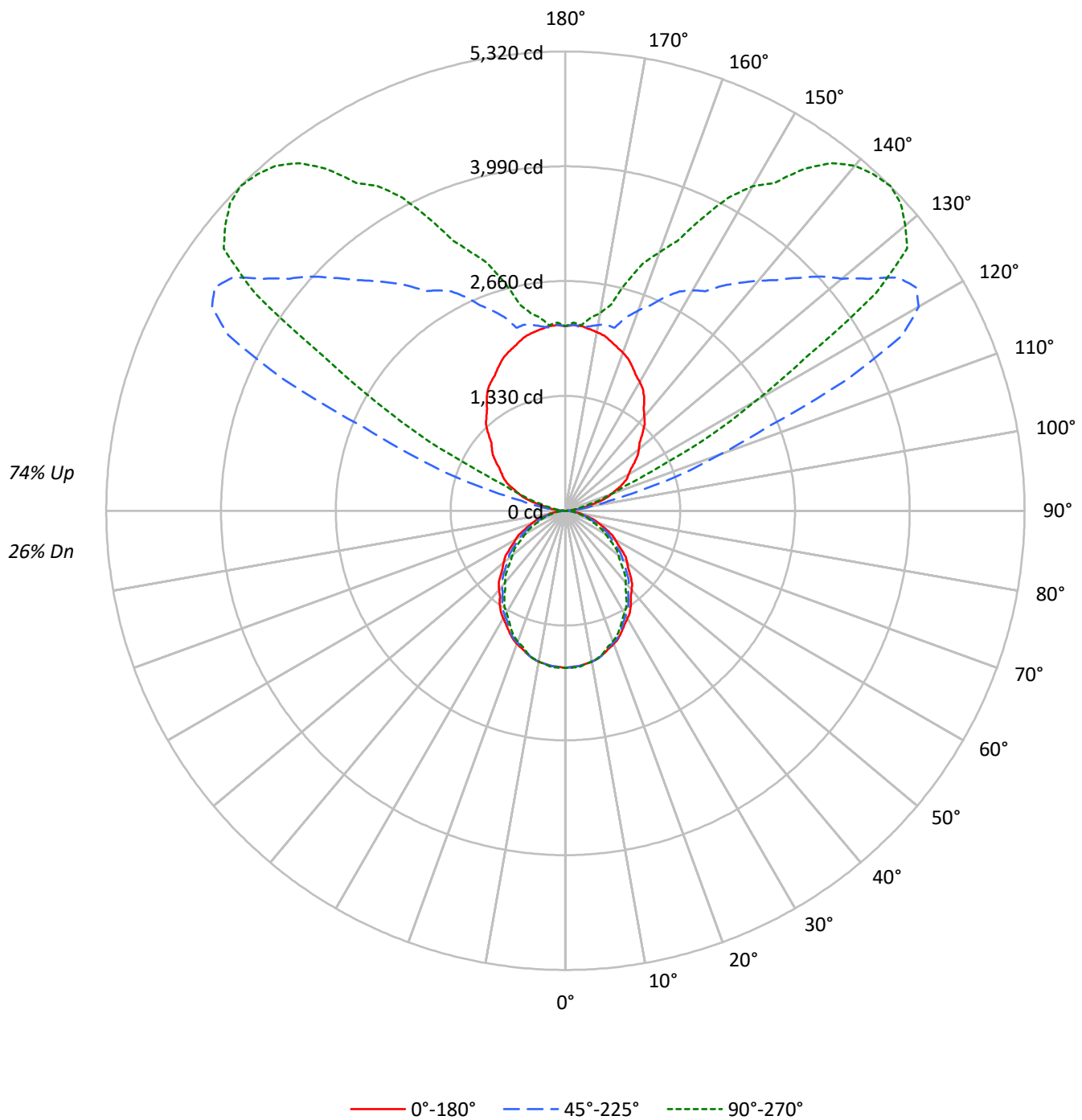
Input Watts (W): 125.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34
1	92	88	85	81	82	79	76	73	61	59	57	45	44	43	30	29	29
2	84	77	71	66	75	69	64	60	54	50	48	40	37	36	27	25	24
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	24	22	21
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	19	18
5	64	53	46	40	57	48	41	36	38	33	29	28	25	22	19	17	16
6	59	48	40	34	53	43	36	31	34	29	25	25	22	20	17	15	14
7	55	43	35	30	49	39	32	27	30	26	22	23	20	17	16	14	12
8	51	39	31	26	45	35	29	24	28	23	20	21	18	15	14	12	11
9	47	35	28	23	42	32	26	21	25	21	17	19	16	14	13	11	10
10	44	32	25	21	39	29	23	19	23	19	16	18	14	12	12	10	9

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10298	10298	10298
5°	10249	10257	10315
10°	10204	10190	10190
15°	10048	10048	9987
20°	9885	9784	9698
25°	9635	9514	9345
30°	9400	9155	8935
35°	9152	8812	8500
40°	8822	8402	8039
45°	8523	8037	7541
50°	8215	7601	7055
55°	7881	7179	6593
60°	7519	6743	6070
65°	7096	6247	5521
70°	6608	5667	4918
75°	5991	4973	4380
80°	5222	4170	3874
85°	4031	3525	3525

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 8523 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.7	1.0
10°-20°	482.5	2.8
20°-30°	701.0	4.1
30°-40°	797.0	4.7
40°-50°	773.7	4.6
50°-60°	653.3	3.9
60°-70°	464.8	2.7
70°-80°	248.3	1.5
80°-90°	65.6	0.4
90°-100°	144.5	0.9
100°-110°	757.5	4.5
110°-120°	1906.8	11.3
120°-130°	2941.7	17.4
130°-140°	2693.0	15.9
140°-150°	1987.5	11.7
150°-160°	1266.9	7.5
160°-170°	667.0	3.9
170°-180°	207.7	1.2
0°-30°	1355.3	8.0
0°-40°	2152.3	12.7
0°-60°	3579.3	21.1
0°-90°	4358.0	25.7
90°-120°	2808.9	16.6
90°-150°	10431.1	61.6
90°-180°	12573.0	74.3
0°-180°	16930.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1820	1820	1820	1820	1820	
5°	1805	1828	1806	1804	1816	171
15°	1716	1731	1716	1705	1705	483
25°	1544	1549	1524	1503	1497	711
35°	1325	1312	1276	1238	1231	826
45°	1065	1049	1004	956	942	822
55°	799	778	728	681	668	714
65°	530	511	467	425	412	525
75°	274	259	228	204	200	292
85°	62	57	54	54	54	74
90°	0	0	0	0	0	6
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°	1820.3	1820.3	1820.3	1820.3	1820.3
2.5°	1811.0	1829.2	1813.1	1815.2	1819.3
5°	1804.8	1827.5	1806.1	1803.8	1816.4
7.5°	1790.8	1811.6	1789.3	1784.1	1795.5
10°	1776.3	1799.1	1773.8	1767.4	1773.8
12.5°	1750.5	1774.2	1754.1	1743.6	1748.9
15°	1715.6	1730.7	1715.6	1705.2	1705.2
17.5°	1672.9	1688.8	1660.2	1652.9	1650.2
20°	1641.9	1655.8	1625.1	1614.7	1610.9
22.5°	1600.5	1613.4	1587.8	1570.2	1565.4
25°	1543.6	1548.7	1524.2	1503.4	1497.1
27.5°	1486.5	1487.8	1454.2	1428.9	1420.6
30°	1438.9	1440.2	1401.4	1374.1	1367.8
32.5°	1391.3	1387.5	1350.7	1318.3	1314.0
35°	1325.1	1312.5	1276.0	1238.4	1230.8
37.5°	1245.2	1237.7	1194.6	1156.8	1145.4
40°	1194.6	1181.9	1137.7	1099.9	1088.6
42.5°	1143.9	1129.2	1083.9	1042.0	1029.6
45°	1065.3	1048.9	1004.5	956.4	942.5
47.5°	986.2	968.2	919.5	872.8	857.4
50°	933.4	914.5	863.6	818.0	801.6
52.5°	879.6	859.7	808.8	762.2	748.8
55°	799.0	777.5	727.9	681.0	668.4
57.5°	718.3	697.1	647.7	603.4	588.2
60°	664.5	644.3	596.0	551.7	536.5
62.5°	609.7	590.5	543.2	500.0	485.8
65°	530.1	511.1	466.7	425.1	412.4
67.5°	451.2	435.0	391.2	353.0	342.9
70°	399.5	384.3	342.6	307.5	297.3
72.5°	349.8	333.7	294.0	264.1	257.0
75°	274.1	258.9	227.5	204.2	200.4
77.5°	204.8	192.4	165.2	152.0	150.0
80°	160.3	148.9	128.0	118.9	118.9
82.5°	118.9	109.6	95.9	92.0	92.0
85°	62.1	57.0	54.3	54.3	54.3
87.5°	18.6	18.6	17.6	16.5	16.5
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)