

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: P1057001

Luminaire Tested: CB2-B-125U-055D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057001
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-055D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 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: 16436.7 lumens
Efficiency: N/A
Efficacy: 124.1 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

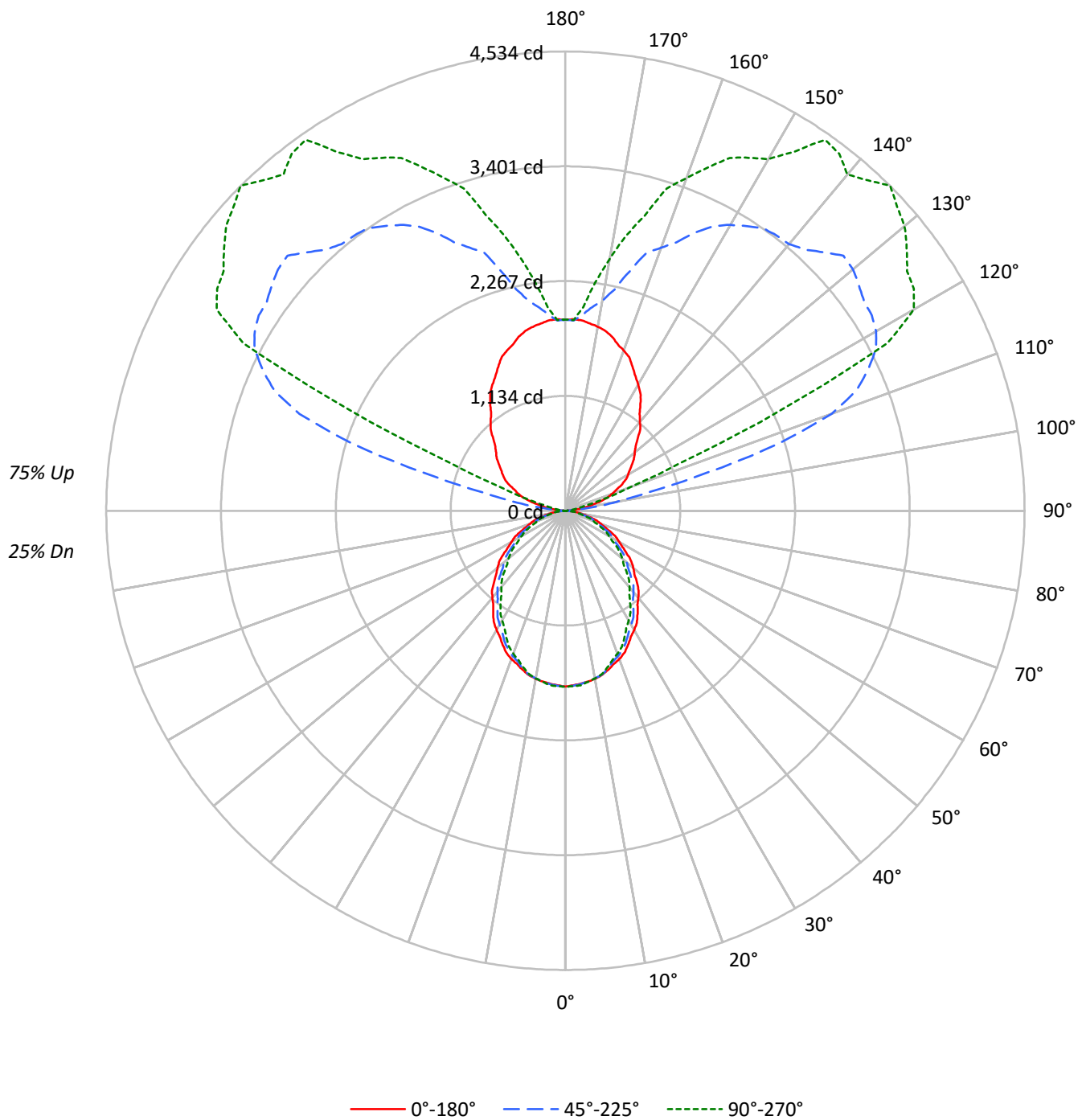
Input Watts (W): 132.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057001

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15120	15120	15120
5°	14992	15015	15120
10°	14907	14871	14860
15°	14671	14575	14455
20°	14440	14119	13923
25°	14052	13656	13273
30°	13663	13062	12567
35°	13215	12451	11858
40°	12741	11879	11184
45°	12263	11281	10528
50°	11833	10699	9889
55°	11304	10092	9284
60°	10698	9517	8683
65°	10054	8875	8082
70°	9342	8158	7313
75°	8499	7382	6622
80°	7603	6470	5998
85°	5845	5316	4387

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12263 cd/sqm

TEST NUMBER: P1057001

CATALOG NUMBER: CB2-B-125U-055D-830-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.3	1.0
10°-20°	455.1	2.8
20°-30°	654.4	4.0
30°-40°	735.5	4.5
40°-50°	710.5	4.3
50°-60°	600.3	3.7
60°-70°	431.2	2.6
70°-80°	235.7	1.4
80°-90°	62.6	0.4
90°-100°	141.3	0.9
100°-110°	874.8	5.3
110°-120°	2206.1	13.4
120°-130°	2652.0	16.1
130°-140°	2404.4	14.6
140°-150°	1917.3	11.7
150°-160°	1307.9	8.0
160°-170°	691.7	4.2
170°-180°	192.5	1.2
0°-30°	1272.8	7.7
0°-40°	2008.4	12.2
0°-60°	3319.2	20.2
0°-90°	4048.7	24.6
90°-120°	3222.2	19.6
90°-150°	10195.9	62.0
90°-180°	12388.0	75.4
0°-180°	16436.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1736	1736	1736	1736	1736	
5°	1715	1738	1718	1718	1730	163
15°	1627	1642	1617	1601	1603	459
25°	1462	1464	1421	1389	1381	673
35°	1243	1229	1171	1126	1115	776
45°	996	975	916	868	855	769
55°	744	717	665	623	612	666
65°	488	470	431	400	392	484
75°	253	237	219	202	197	270
85°	58	55	53	46	44	70
90°	0	0	0	0	0	5
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	

TEST NUMBER: P1057001

CATALOG NUMBER: CB2-B-125U-055D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1736.2	1736.2	1736.2	1736.2	1736.2
2.5°	1724.5	1745.3	1729.9	1732.1	1735.2
5°	1715.0	1738.4	1717.6	1717.9	1729.6
7.5°	1702.7	1724.8	1698.7	1693.9	1704.9
10°	1685.7	1707.8	1681.7	1672.6	1680.4
12.5°	1663.4	1684.4	1659.4	1644.9	1651.7
15°	1627.2	1641.5	1616.6	1600.7	1603.3
17.5°	1587.9	1596.7	1560.8	1547.4	1544.8
20°	1558.1	1565.9	1523.5	1504.9	1502.3
22.5°	1519.8	1526.6	1482.1	1459.1	1455.5
25°	1462.4	1463.7	1421.2	1389.1	1381.3
27.5°	1402.3	1398.1	1351.0	1313.0	1302.8
30°	1358.7	1353.5	1298.9	1258.8	1249.7
32.5°	1311.9	1302.5	1247.8	1204.5	1195.4
35°	1243.0	1228.7	1171.2	1125.8	1115.4
37.5°	1169.6	1153.5	1097.0	1047.6	1035.9
40°	1120.7	1102.5	1044.9	995.5	983.8
42.5°	1071.8	1051.5	992.8	943.3	930.6
45°	995.7	974.9	916.0	867.8	854.8
47.5°	923.4	896.9	839.7	791.8	778.8
50°	873.4	844.8	789.7	742.9	729.9
52.5°	822.4	792.7	739.7	695.0	682.0
55°	744.5	717.2	664.7	623.2	611.5
57.5°	667.4	641.1	593.2	553.6	542.1
60°	614.2	592.1	546.4	508.9	498.5
62.5°	563.1	543.1	499.6	465.3	454.9
65°	487.9	469.7	430.7	400.0	392.2
67.5°	414.8	396.6	365.1	337.5	328.6
70°	366.9	348.7	320.4	295.0	287.2
72.5°	321.2	302.0	278.9	255.7	249.9
75°	252.6	237.0	219.4	202.0	196.8
77.5°	192.0	176.9	164.1	151.8	150.5
80°	151.6	138.6	129.0	120.9	119.6
82.5°	113.3	103.4	97.0	91.2	90.9
85°	58.5	54.6	53.2	46.5	43.9
87.5°	17.0	17.0	14.9	12.8	12.8
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

TEST NUMBER: P1057001

CATALOG NUMBER: CB2-B-125U-055D-830-1D-UNV-STD-W-8

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)