

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: P1056984

Luminaire Tested: CB2-B-055U-120D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1056984
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-055U-120D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15563.7 lumens
Efficiency: N/A
Efficacy: 123.2 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-Direct

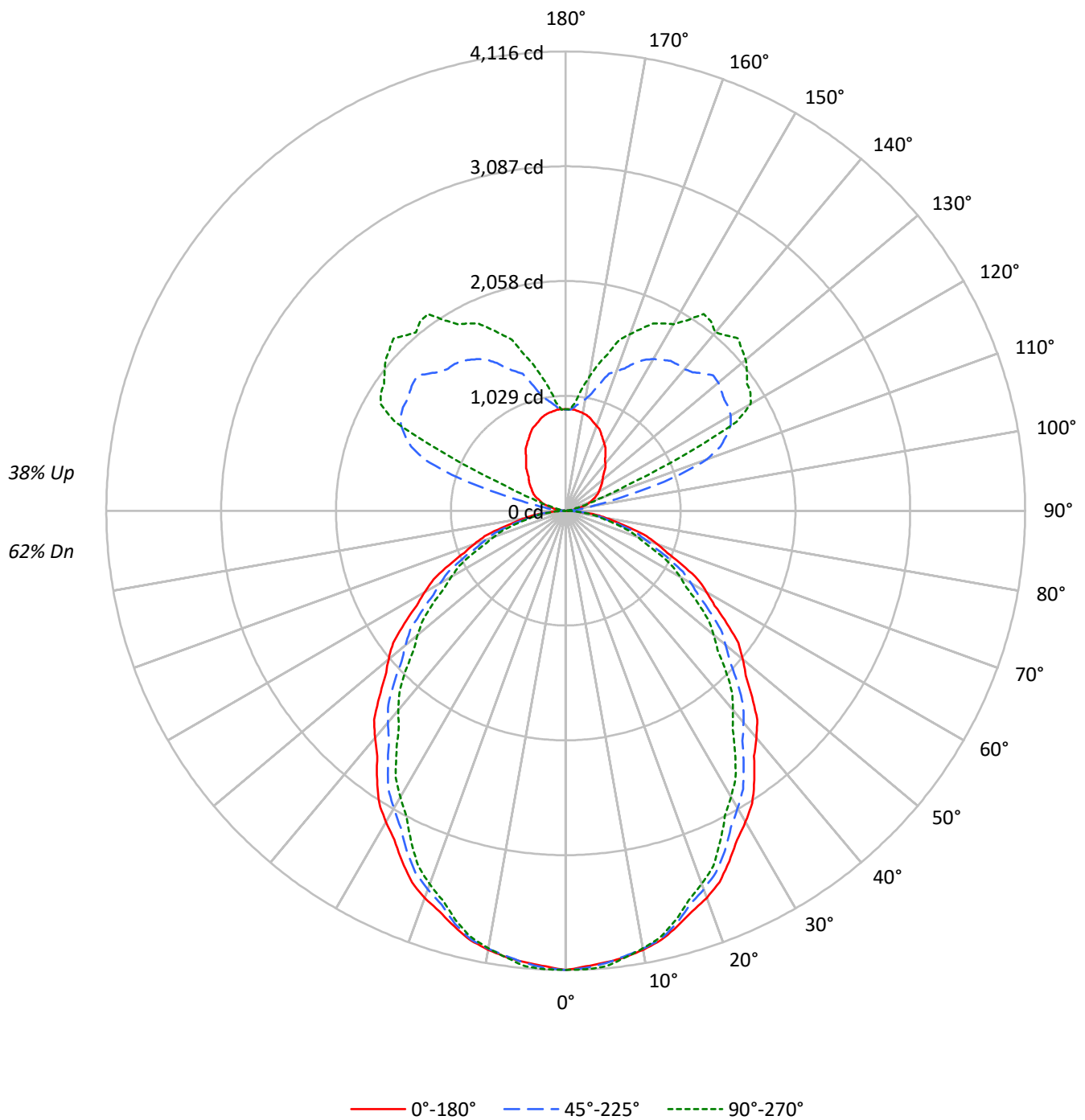
Input Watts (W): 126.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67
1	101	96	92	89	94	90	87	84	79	77	74	69	67	65	59	58	57
2	92	84	78	73	86	79	74	69	70	65	62	61	58	55	53	50	48
3	84	74	67	61	78	70	63	58	62	57	52	54	50	47	47	44	41
4	77	66	58	52	72	62	55	50	55	49	45	48	44	40	42	39	36
5	71	59	51	45	66	56	48	43	49	43	39	43	39	35	38	34	31
6	65	53	45	39	61	50	43	37	45	39	34	39	35	31	35	31	28
7	61	48	40	34	57	46	38	33	41	35	30	36	31	28	32	28	25
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	25	22
9	52	40	33	27	49	38	31	26	34	28	24	30	26	22	27	23	20
10	49	37	30	25	46	35	28	24	32	26	22	28	24	20	25	21	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35845	35845	35845
5°	35541	35596	35845
10°	35339	35255	35228
15°	34780	34552	34268
20°	34232	33473	33005
25°	33312	32374	31465
30°	32390	30963	29791
35°	31328	29519	28111
40°	30203	28162	26513
45°	29073	26744	24958
50°	28053	25364	23441
55°	26797	23926	22012
60°	25361	22561	20586
65°	23833	21041	19158
70°	22150	19339	17335
75°	20148	17497	15693
80°	18019	15331	14223
85°	13859	12600	10392

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29073 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.1	2.5
10°-20°	1079.0	6.9
20°-30°	1551.4	10.0
30°-40°	1743.7	11.2
40°-50°	1684.4	10.8
50°-60°	1423.2	9.1
60°-70°	1022.3	6.6
70°-80°	558.7	3.6
80°-90°	148.4	1.0
90°-100°	68.0	0.4
100°-110°	421.3	2.7
110°-120°	1062.4	6.8
120°-130°	1277.1	8.2
130°-140°	1157.9	7.4
140°-150°	923.3	5.9
150°-160°	629.8	4.0
160°-170°	333.1	2.1
170°-180°	92.7	0.6
0°-30°	3017.4	19.4
0°-40°	4761.1	30.6
0°-60°	7868.8	50.6
0°-90°	9598.1	61.7
90°-120°	1551.7	10.0
90°-150°	4909.9	31.5
90°-180°	5966.0	38.3
0°-180°	15563.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4116	4116	4116	4116	4116	
5°	4066	4121	4072	4072	4100	386
15°	3858	3892	3832	3795	3801	1087
25°	3467	3470	3369	3293	3274	1596
35°	2947	2913	2777	2669	2644	1841
45°	2361	2311	2172	2057	2026	1824
55°	1765	1700	1576	1478	1450	1578
65°	1157	1114	1021	948	930	1147
75°	599	562	520	479	466	641
85°	139	129	126	110	104	165
90°	0	0	0	0	0	7
95°	35	89	27	20	20	45
105°	172	482	697	175	117	181
115°	297	657	1589	1479	1127	292
125°	387	797	1734	1973	1984	347
135°	485	883	1738	2034	2184	377
145°	622	928	1640	1976	2152	389
155°	755	947	1460	1759	1851	348
165°	857	937	1178	1387	1452	240
175°	908	919	935	951	970	86
180°	908	908	908	908	908	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4116.0	4116.0	4116.0	4116.0	4116.0
2.5°	4088.3	4137.6	4100.9	4106.1	4113.5
5°	4065.6	4121.1	4071.9	4072.5	4100.3
7.5°	4036.6	4089.0	4027.2	4015.8	4041.7
10°	3996.3	4048.7	3986.8	3965.2	3983.7
12.5°	3943.3	3993.2	3933.9	3899.6	3915.6
15°	3857.6	3891.5	3832.4	3794.7	3800.9
17.5°	3764.3	3785.3	3700.0	3668.4	3662.2
20°	3693.7	3712.2	3611.8	3567.5	3561.3
22.5°	3602.9	3619.0	3513.4	3459.0	3450.4
25°	3466.8	3469.9	3369.1	3293.0	3274.5
27.5°	3324.3	3314.5	3202.7	3112.6	3088.6
30°	3221.0	3208.6	3079.1	2984.1	2962.5
32.5°	3110.0	3087.8	2958.1	2855.5	2833.9
35°	2946.8	2912.9	2776.6	2668.9	2644.2
37.5°	2772.8	2734.6	2600.7	2483.5	2455.8
40°	2656.8	2613.7	2477.2	2359.9	2332.2
42.5°	2540.8	2492.8	2353.6	2236.3	2206.1
45°	2360.6	2311.3	2171.5	2057.3	2026.5
47.5°	2189.1	2126.3	1990.6	1877.0	1846.2
50°	2070.6	2002.8	1872.1	1761.1	1730.2
52.5°	1949.6	1879.3	1753.6	1647.6	1616.8
55°	1764.9	1700.2	1575.8	1477.5	1449.8
57.5°	1582.1	1519.9	1406.3	1312.4	1285.2
60°	1456.1	1403.7	1295.3	1206.5	1181.9
62.5°	1335.0	1287.6	1184.4	1103.1	1078.5
65°	1156.6	1113.5	1021.1	948.2	929.7
67.5°	983.3	940.2	865.4	800.0	779.1
70°	869.9	826.7	759.5	699.2	680.8
72.5°	761.4	715.8	661.2	606.1	592.5
75°	598.8	561.8	520.0	478.8	466.4
77.5°	455.1	419.3	388.9	359.8	356.8
80°	359.3	328.5	305.7	286.7	283.6
82.5°	268.5	245.1	230.1	216.2	215.6
85°	138.7	129.4	126.1	110.2	104.0
87.5°	40.3	40.3	35.3	30.3	30.3
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.4	15.5	6.3	6.3	6.3
95°	35.2	88.8	27.4	19.6	19.6
97.5°	73.6	212.8	147.9	39.8	34.4
100°	101.7	308.4	254.4	58.4	47.0
102.5°	129.9	391.6	401.5	92.7	72.0
105°	172.2	482.1	696.6	174.8	117.4
107.5°	213.7	541.2	1067.5	360.7	217.6
110°	238.7	575.4	1346.2	562.3	336.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	263.8	609.7	1499.6	901.4	580.7
115°	297.4	657.1	1588.8	1479.1	1127.0
117.5°	325.6	700.6	1665.5	1829.1	1725.8
120°	344.4	734.7	1706.2	1879.2	1913.6
122.5°	363.2	759.6	1728.1	1898.6	1963.7
125°	387.4	796.8	1733.6	1972.6	1984.0
127.5°	411.7	824.9	1759.4	2040.5	2045.9
130°	430.5	843.7	1784.5	2063.3	2105.4
132.5°	452.4	859.5	1793.9	2076.3	2139.8
135°	485.2	883.2	1737.5	2034.4	2183.6
137.5°	526.7	900.2	1683.5	2033.2	2129.6
140°	551.8	903.8	1655.3	2078.1	2085.8
142.5°	580.0	913.6	1649.1	2073.2	2139.0
145°	622.2	928.3	1639.7	1976.3	2152.3
147.5°	664.5	937.7	1603.7	1869.4	2023.2
150°	692.7	941.4	1569.2	1833.6	1929.3
152.5°	720.8	945.1	1525.4	1811.3	1891.7
155°	755.3	946.6	1459.7	1759.2	1851.0
157.5°	791.3	942.0	1380.6	1663.9	1764.1
160°	810.1	936.3	1330.5	1594.7	1682.7
162.5°	828.8	933.7	1286.7	1504.3	1607.6
165°	857.0	937.4	1177.9	1386.8	1451.8
167.5°	875.8	934.0	1076.2	1247.3	1339.1
170°	888.3	934.2	1013.5	1140.5	1217.0
172.5°	897.7	919.1	976.0	1042.9	1094.9
175°	907.9	919.4	935.3	951.4	970.5
177.5°	911.0	917.1	904.8	901.8	907.9
180°	907.9	907.9	907.9	907.9	907.9

(END OF REPORT)