

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: P1057008

Luminaire Tested: CB2-B-125U-120D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057008
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-120D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23113.8 lumens
Efficiency: N/A
Efficacy: 125.4 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: General Diffuse

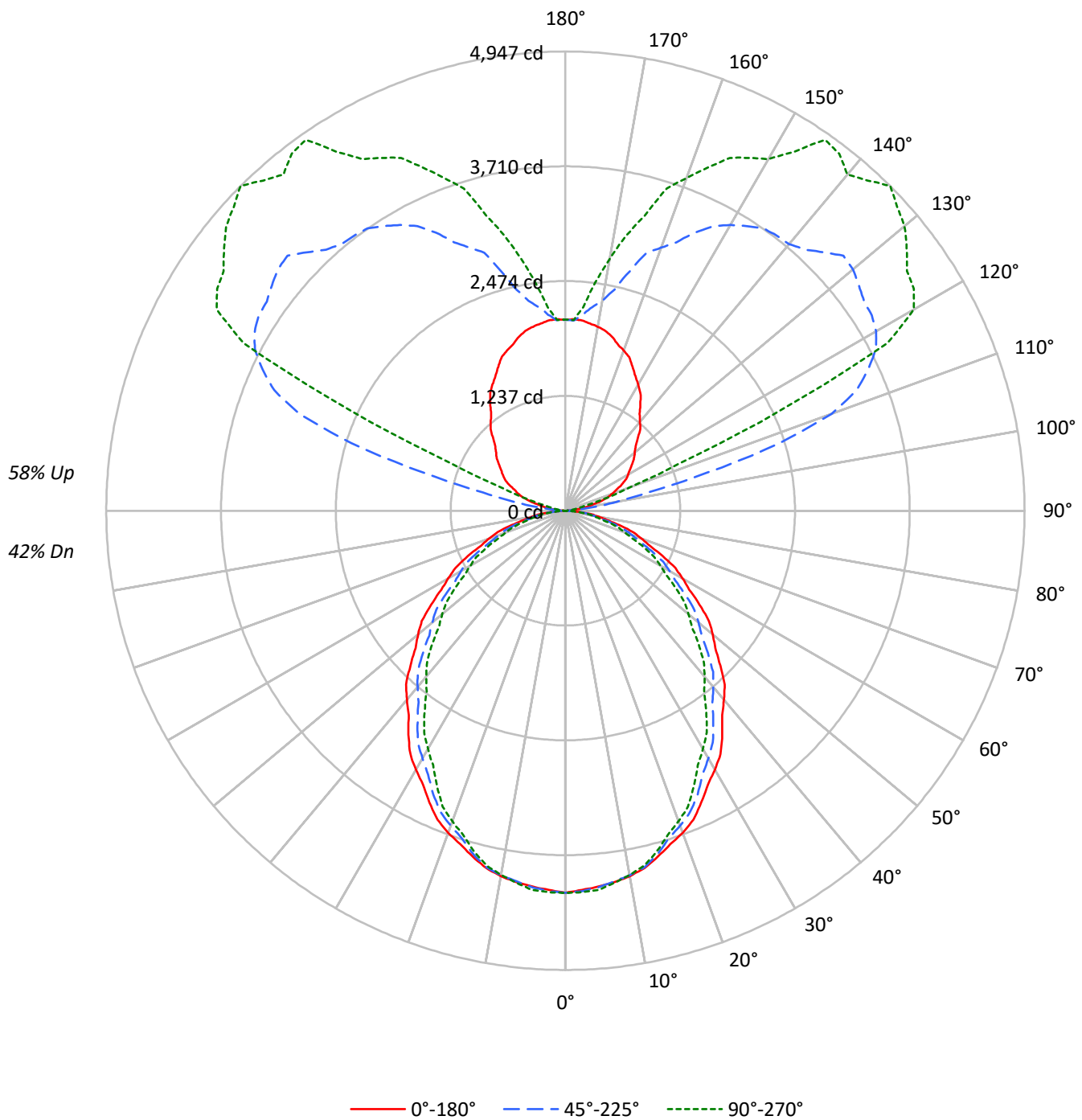
Input Watts (W): 184.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057008

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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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	48	48	48
1	96	92	88	85	87	84	81	78	69	67	65	55	54	53	43	42	41
2	88	80	74	69	80	74	68	64	61	57	54	49	46	44	38	36	35
3	80	71	64	58	73	65	59	54	54	49	45	43	40	37	34	32	30
4	73	63	55	49	67	57	51	46	48	43	39	39	35	32	30	28	26
5	67	56	48	42	61	51	44	39	43	38	34	35	31	28	27	25	23
6	62	50	42	36	56	46	39	34	39	33	29	31	28	25	25	22	20
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	23	20	18
8	53	41	33	28	48	38	31	26	32	27	23	26	22	19	21	18	16
9	49	37	30	25	45	35	28	24	29	24	21	24	20	17	19	17	14
10	46	34	27	23	42	32	25	21	27	22	18	22	18	16	18	15	13

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

TEST NUMBER: P1057008

CATALOG NUMBER: CB2-B-125U-120D-835-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.1	1.7
10°-20°	1079.0	4.7
20°-30°	1551.4	6.7
30°-40°	1743.7	7.5
40°-50°	1684.4	7.3
50°-60°	1423.2	6.2
60°-70°	1022.3	4.4
70°-80°	558.7	2.4
80°-90°	148.4	0.6
90°-100°	154.1	0.7
100°-110°	954.4	4.1
110°-120°	2406.9	10.4
120°-130°	2893.4	12.5
130°-140°	2623.3	11.3
140°-150°	2091.9	9.1
150°-160°	1426.9	6.2
160°-170°	754.7	3.3
170°-180°	210.0	0.9
0°-30°	3017.4	13.1
0°-40°	4761.1	20.6
0°-60°	7868.8	34.0
0°-90°	9598.1	41.5
90°-120°	3515.4	15.2
90°-150°	11124.0	48.1
90°-180°	13516.0	58.5
0°-180°	23113.8	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	8
95°	80	201	62	44	44	101
105°	390	1092	1578	396	266	410
115°	674	1489	3600	3351	2553	661
125°	878	1805	3928	4469	4495	786
135°	1099	2001	3936	4609	4947	855
145°	1410	2103	3715	4478	4876	881
155°	1711	2145	3307	3986	4194	788
165°	1942	2124	2669	3142	3289	545
175°	2057	2083	2119	2155	2199	195
180°	2057	2057	2057	2057	2057	

TEST NUMBER: P1057008

CATALOG NUMBER: CB2-B-125U-120D-835-1D-UNV-STD-W-8

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°	21.3	35.1	14.2	14.2	14.2
95°	79.8	201.2	62.1	44.3	44.3
97.5°	166.7	482.2	335.1	90.2	78.0
100°	230.5	698.6	576.3	132.4	106.4
102.5°	294.4	887.3	909.7	209.9	163.1
105°	390.1	1092.3	1578.2	396.0	266.0
107.5°	484.1	1226.2	2418.7	817.2	493.0
110°	540.8	1303.7	3049.9	1274.0	762.5

TEST NUMBER: P1057008

CATALOG NUMBER: CB2-B-125U-120D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	597.6	1381.3	3397.5	2042.2	1315.7
115°	673.8	1488.7	3599.6	3351.0	2553.4
117.5°	737.7	1587.2	3773.4	4144.0	3909.9
120°	780.2	1664.5	3865.6	4257.5	4335.5
122.5°	822.8	1720.9	3915.2	4301.6	4449.0
125°	877.7	1805.3	3927.7	4469.1	4495.1
127.5°	932.7	1869.0	3986.2	4623.0	4635.2
130°	975.3	1911.5	4042.9	4674.6	4769.9
132.5°	1024.9	1947.3	4064.2	4704.1	4848.0
135°	1099.4	2001.0	3936.5	4609.2	4947.3
137.5°	1193.4	2039.5	3814.2	4606.4	4824.9
140°	1250.1	2047.7	3750.3	4708.3	4725.6
142.5°	1313.9	2069.9	3736.2	4697.1	4846.2
145°	1409.7	2103.2	3714.9	4477.6	4876.3
147.5°	1505.5	2124.4	3633.3	4235.3	4583.7
150°	1569.3	2132.8	3555.3	4154.2	4371.0
152.5°	1633.1	2141.1	3456.0	4103.8	4285.9
155°	1711.1	2144.6	3307.0	3985.6	4193.6
157.5°	1792.7	2134.3	3127.9	3769.7	3996.8
160°	1835.3	2121.4	3014.5	3613.0	3812.4
162.5°	1877.8	2115.4	2915.2	3408.1	3642.2
165°	1941.7	2123.7	2668.7	3141.9	3289.3
167.5°	1984.2	2116.0	2438.2	2825.9	3034.0
170°	2012.6	2116.6	2296.3	2584.0	2757.3
172.5°	2033.9	2082.4	2211.2	2362.8	2480.7
175°	2056.9	2082.9	2119.0	2155.4	2198.8
177.5°	2064.0	2077.9	2049.8	2043.1	2056.9
180°	2056.9	2056.9	2056.9	2056.9	2056.9

(END OF REPORT)