

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: P1057116

Luminaire Tested: CB3-B-125U-120D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057116
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-120D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-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: 22339.9 lumens
Efficiency: N/A
Efficacy: 132.0 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: General Diffuse

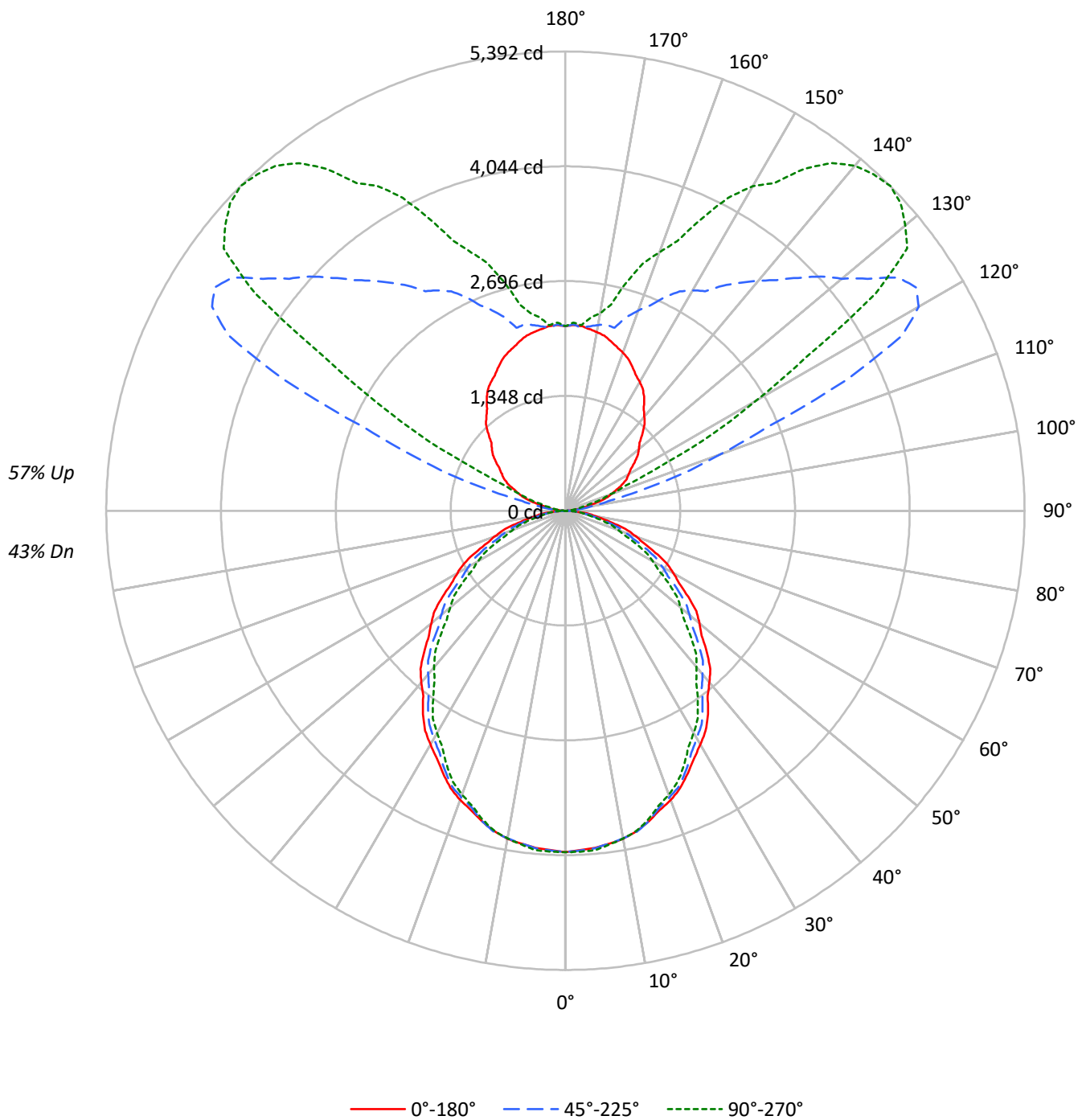
Input Watts (W): 169.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0
RCR																		
0	105	105	105	105	96	96	96	96	79	79	79	64	64	64	50	50	50	43
1	96	92	88	85	88	84	81	78	70	68	65	56	55	53	44	43	42	37
2	88	81	75	70	80	74	69	64	61	58	54	50	47	45	39	37	36	31
3	80	71	64	58	73	65	59	54	54	50	46	44	41	38	35	32	31	26
4	73	63	55	49	67	58	51	46	48	43	39	39	36	33	31	29	26	23
5	67	56	48	42	61	52	45	39	43	38	34	35	31	28	28	25	23	20
6	62	50	42	37	57	46	39	34	39	34	30	32	28	25	25	23	20	17
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	16
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	21	19	16	14
9	50	38	30	25	45	35	28	24	30	24	21	25	21	18	20	17	15	13
10	46	34	27	23	42	32	26	21	27	22	19	23	19	16	18	16	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22678	22678	22678
5°	22571	22587	22717
10°	22472	22439	22439
15°	22128	22128	21994
20°	21768	21546	21357
25°	21219	20953	20580
30°	20700	20161	19677
35°	20155	19407	18719
40°	19428	18503	17704
45°	18769	17699	16605
50°	18092	16739	15536
55°	17354	15810	14519
60°	16558	14850	13368
65°	15626	13758	12157
70°	14553	12480	10831
75°	13194	10953	9646
80°	11500	9184	8532
85°	8873	7763	7763

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18769 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.2	1.7
10°-20°	1062.6	4.8
20°-30°	1543.8	6.9
30°-40°	1755.3	7.9
40°-50°	1704.0	7.6
50°-60°	1438.6	6.4
60°-70°	1023.5	4.6
70°-80°	546.9	2.4
80°-90°	144.5	0.6
90°-100°	146.5	0.7
100°-110°	767.8	3.4
110°-120°	1932.6	8.7
120°-130°	2981.5	13.3
130°-140°	2729.4	12.2
140°-150°	2014.3	9.0
150°-160°	1284.0	5.7
160°-170°	676.0	3.0
170°-180°	210.5	0.9
0°-30°	2984.7	13.4
0°-40°	4739.9	21.2
0°-60°	7882.5	35.3
0°-90°	9597.4	43.0
90°-120°	2846.8	12.7
90°-150°	10572.0	47.3
90°-180°	12743.0	57.0
0°-180°	22339.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4009	4009	4009	4009	4009	
5°	3975	4025	3977	3972	4000	377
15°	3778	3812	3778	3755	3755	1064
25°	3399	3411	3357	3311	3297	1566
35°	2918	2890	2810	2727	2710	1819
45°	2346	2310	2212	2106	2076	1810
55°	1760	1712	1603	1500	1472	1573
65°	1167	1126	1028	936	908	1156
75°	604	570	501	450	441	643
85°	137	126	120	120	120	162
90°	0	0	0	0	0	9
95°	76	216	86	48	48	97
105°	391	1212	878	361	296	418
115°	744	1519	3646	1585	1202	725
125°	993	1534	4772	4811	4447	888
135°	1279	1708	3865	5271	5392	988
145°	1613	1865	3226	4486	4906	1003
155°	1861	2001	2768	3425	3779	858
165°	2062	2118	2224	2600	2777	581
175°	2176	2223	2157	2167	2186	206
180°	2166	2166	2166	2166	2166	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4008.7	4008.7	4008.7	4008.7	4008.7
2.5°	3988.2	4028.3	3992.8	3997.5	4006.4
5°	3974.6	4024.7	3977.4	3972.3	4000.2
7.5°	3943.8	3989.5	3940.4	3929.0	3954.1
10°	3911.9	3962.0	3906.2	3892.3	3906.2
12.5°	3855.0	3907.3	3862.9	3839.9	3851.6
15°	3778.1	3811.5	3778.1	3755.3	3755.3
17.5°	3684.2	3719.2	3656.2	3640.2	3634.0
20°	3615.8	3646.4	3578.8	3555.8	3547.5
22.5°	3524.7	3553.1	3496.8	3457.9	3447.3
25°	3399.4	3410.6	3356.7	3310.9	3296.9
27.5°	3273.6	3276.4	3202.4	3146.8	3128.4
30°	3168.8	3171.6	3086.3	3026.2	3012.2
32.5°	3064.1	3055.7	2974.7	2903.3	2893.8
35°	2918.3	2890.4	2810.1	2727.1	2710.4
37.5°	2742.3	2725.6	2630.7	2547.6	2522.5
40°	2630.7	2602.9	2505.5	2422.3	2397.3
42.5°	2519.1	2486.8	2387.0	2294.7	2267.4
45°	2346.0	2309.8	2212.2	2106.2	2075.5
47.5°	2171.8	2132.2	2024.9	1922.2	1888.2
50°	2055.6	2013.9	1901.9	1801.4	1765.2
52.5°	1937.2	1893.2	1781.1	1678.6	1649.0
55°	1759.5	1712.2	1602.9	1499.8	1472.0
57.5°	1581.9	1535.1	1426.4	1328.8	1295.4
60°	1463.4	1418.9	1312.5	1215.0	1181.5
62.5°	1342.7	1300.4	1196.4	1101.1	1069.9
65°	1167.3	1125.6	1027.8	936.1	908.2
67.5°	993.6	958.0	861.5	777.3	755.1
70°	879.8	846.3	754.5	677.1	654.8
72.5°	770.4	734.8	647.4	581.6	566.0
75°	603.6	570.2	501.1	449.7	441.3
77.5°	451.0	423.7	363.9	334.7	330.3
80°	353.0	328.0	281.9	261.9	261.9
82.5°	261.9	241.3	211.3	202.7	202.7
85°	136.7	125.5	119.6	119.6	119.6
87.5°	41.0	41.0	38.7	36.4	36.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	22.9	52.8	15.3	7.8	15.3
95°	76.4	216.3	85.9	47.7	47.7
97.5°	158.4	483.2	221.4	118.1	106.9
100°	219.5	686.1	343.6	171.4	152.7
102.5°	288.2	889.2	519.2	232.1	198.5
105°	391.3	1212.5	878.0	361.2	295.9
107.5°	505.8	1433.4	1446.8	556.8	448.6
110°	582.2	1524.7	1927.9	731.1	563.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	650.9	1548.6	2569.2	996.9	769.2
115°	744.4	1519.0	3645.7	1585.1	1202.5
117.5°	813.1	1445.8	4462.7	2521.7	1945.0
120°	858.9	1446.8	4791.0	3230.3	2586.4
122.5°	912.4	1455.5	4882.6	3933.9	3342.2
125°	992.6	1533.8	4771.9	4811.4	4447.4
127.5°	1072.7	1591.6	4474.1	5172.1	5058.2
130°	1126.2	1630.1	4237.5	5294.9	5210.9
132.5°	1179.6	1668.6	4069.5	5297.8	5340.7
135°	1278.9	1708.1	3865.3	5271.0	5392.3
137.5°	1380.0	1757.0	3674.4	5104.0	5356.0
140°	1441.1	1795.7	3521.7	4923.3	5287.3
142.5°	1509.8	1827.1	3376.6	4755.9	5142.2
145°	1612.9	1864.9	3225.8	4485.6	4905.5
147.5°	1693.1	1885.3	3055.9	4212.9	4560.0
150°	1746.5	1886.5	2987.2	3970.4	4399.7
152.5°	1792.3	1924.8	2903.2	3748.2	4140.1
155°	1861.0	2001.0	2767.7	3424.7	3779.4
157.5°	1929.8	2064.1	2607.4	3183.6	3424.3
160°	1975.6	2087.6	2500.5	3067.2	3225.8
162.5°	2013.7	2110.8	2386.0	2869.2	3050.2
165°	2061.5	2117.5	2223.7	2600.0	2777.3
167.5°	2105.4	2133.4	2237.1	2335.8	2479.5
170°	2128.3	2156.3	2214.2	2310.7	2357.3
172.5°	2151.2	2194.1	2183.6	2249.4	2288.6
175°	2176.0	2222.7	2156.9	2166.9	2185.5
177.5°	2181.7	2204.1	2189.4	2189.9	2212.3
180°	2166.4	2166.4	2166.4	2166.4	2166.4

(END OF REPORT)