

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: P1057117

Luminaire Tested: CB3-B-125U-120D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057117
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-840-1D-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22042.1 lumens
Efficiency: N/A
Efficacy: 130.2 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

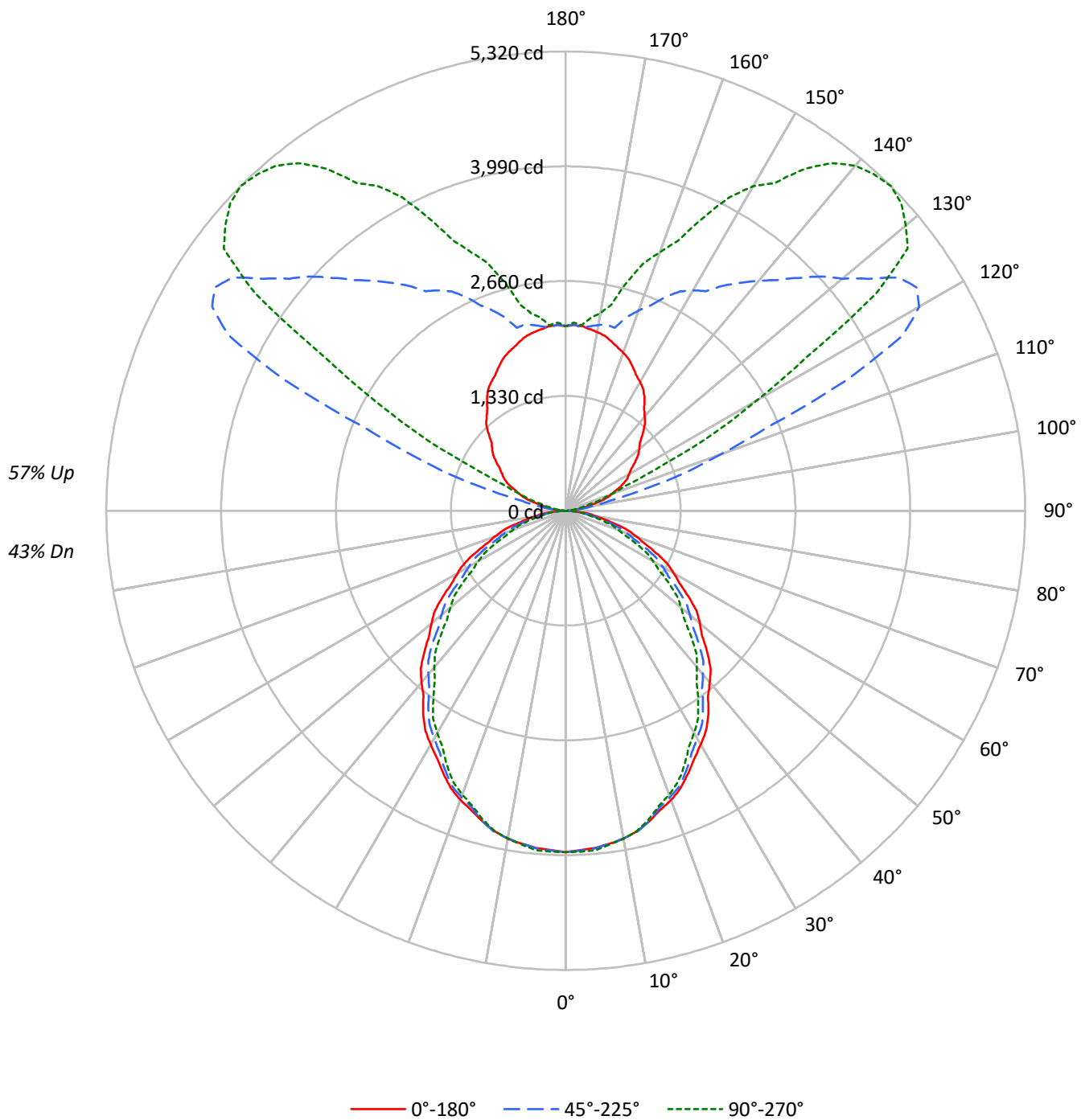
Input Watts (W): 169.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	22376	22376	22376
5°	22270	22286	22414
10°	22173	22141	22141
15°	21833	21833	21701
20°	21478	21258	21072
25°	20937	20674	20306
30°	20424	19892	19415
35°	19886	19148	18469
40°	19169	18257	17468
45°	18519	17463	16384
50°	17851	16515	15329
55°	17123	15600	14324
60°	16337	14652	13191
65°	15418	13575	11995
70°	14357	12313	10687
75°	13016	10807	9517
80°	11347	9060	8418
85°	8750	7659	7659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18519 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.2	1.7
10°-20°	1048.4	4.8
20°-30°	1523.3	6.9
30°-40°	1731.9	7.9
40°-50°	1681.2	7.6
50°-60°	1419.4	6.4
60°-70°	1009.9	4.6
70°-80°	539.6	2.4
80°-90°	142.6	0.6
90°-100°	144.5	0.7
100°-110°	757.5	3.4
110°-120°	1906.8	8.7
120°-130°	2941.7	13.3
130°-140°	2693.0	12.2
140°-150°	1987.5	9.0
150°-160°	1266.9	5.7
160°-170°	667.0	3.0
170°-180°	207.7	0.9
0°-30°	2944.9	13.4
0°-40°	4676.7	21.2
0°-60°	7777.4	35.3
0°-90°	9469.5	43.0
90°-120°	2808.9	12.7
90°-150°	10431.1	47.3
90°-180°	12573.0	57.0
0°-180°	22042.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3955	3955	3955	3955	3955	
5°	3922	3971	3924	3919	3947	372
15°	3728	3761	3728	3705	3705	1050
25°	3354	3365	3312	3267	3253	1545
35°	2879	2852	2773	2691	2674	1794
45°	2315	2279	2183	2078	2048	1785
55°	1736	1689	1582	1480	1452	1552
65°	1152	1111	1014	924	896	1141
75°	596	563	494	444	435	635
85°	135	124	118	118	118	160
90°	0	0	0	0	0	9
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°	3955.3	3955.3	3955.3	3955.3	3955.3
2.5°	3935.1	3974.6	3939.6	3944.2	3953.0
5°	3921.6	3971.0	3924.4	3919.4	3946.9
7.5°	3891.2	3936.3	3887.9	3876.6	3901.3
10°	3859.8	3909.2	3854.2	3840.4	3854.2
12.5°	3803.6	3855.2	3811.5	3788.7	3800.2
15°	3727.7	3760.7	3727.7	3705.3	3705.3
17.5°	3635.0	3669.6	3607.5	3591.6	3585.6
20°	3567.6	3597.8	3531.1	3508.4	3500.2
22.5°	3477.7	3505.7	3450.2	3411.8	3401.3
25°	3354.1	3365.1	3312.0	3266.7	3253.0
27.5°	3230.0	3232.7	3159.7	3104.8	3086.7
30°	3126.6	3129.3	3045.1	2985.8	2972.1
32.5°	3023.2	3015.0	2935.0	2864.6	2855.2
35°	2879.4	2851.9	2772.6	2690.8	2674.3
37.5°	2705.8	2689.3	2595.7	2513.6	2488.9
40°	2595.7	2568.2	2472.1	2390.0	2365.3
42.5°	2485.5	2453.7	2355.2	2264.1	2237.2
45°	2314.7	2279.0	2182.7	2078.1	2047.9
47.5°	2142.8	2103.8	1997.9	1896.5	1863.0
50°	2028.2	1987.0	1876.5	1777.4	1741.7
52.5°	1911.3	1867.9	1757.4	1656.2	1627.1
55°	1736.1	1689.4	1581.6	1479.8	1452.3
57.5°	1560.8	1514.6	1407.4	1311.1	1278.2
60°	1443.9	1400.0	1295.0	1198.8	1165.8
62.5°	1324.8	1283.0	1180.4	1086.4	1055.7
65°	1151.8	1110.6	1014.1	923.6	896.1
67.5°	980.4	945.2	850.0	767.0	745.0
70°	868.0	835.1	744.4	668.1	646.1
72.5°	760.2	725.0	638.8	573.8	558.5
75°	595.5	562.6	494.4	443.7	435.4
77.5°	445.0	418.1	359.0	330.3	325.9
80°	348.3	323.6	278.1	258.4	258.4
82.5°	258.4	238.1	208.4	200.0	200.0
85°	134.8	123.9	118.0	118.0	118.0
87.5°	40.5	40.5	38.2	36.0	36.0
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)