

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: P1057108

Luminaire Tested: CB3-B-125U-030D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057108
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-030D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 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: 14853.9 lumens
Efficiency: N/A
Efficacy: 135.9 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: Semi-Indirect

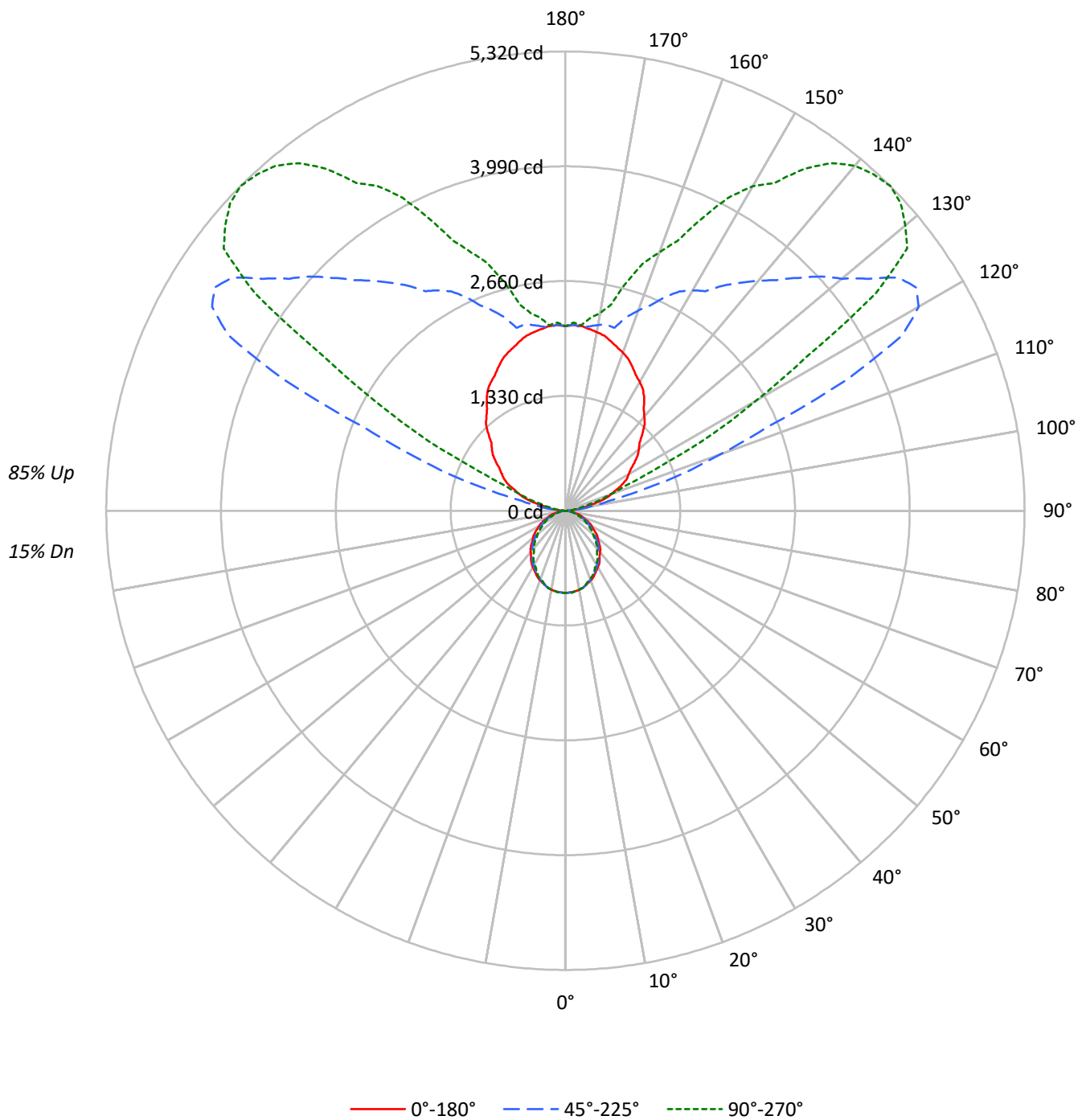
Input Watts (W): 109.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	99	99	99	99	87	87	87	87	64	64	64	43	43	43	24	24	24
1	90	86	82	79	79	76	73	70	56	54	52	38	37	36	21	21	21
2	82	75	69	65	72	66	61	57	49	46	43	33	32	30	19	18	17
3	75	66	59	54	65	58	52	48	43	40	36	30	27	25	17	16	15
4	68	58	51	45	60	51	45	40	38	34	31	26	24	22	15	14	13
5	63	52	44	38	55	46	39	34	34	30	26	23	21	19	14	12	11
6	57	46	39	33	50	41	34	30	31	26	23	21	18	16	12	11	10
7	53	41	34	29	46	37	30	26	28	23	20	19	16	14	11	10	9
8	49	37	30	25	43	33	27	23	25	21	18	17	15	13	10	9	8
9	45	34	27	22	40	30	24	20	23	19	16	16	13	11	9	8	7
10	42	31	24	20	37	27	22	18	21	17	14	15	12	10	9	7	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5391	5391	5391
5°	5365	5369	5399
10°	5341	5334	5334
15°	5259	5259	5228
20°	5174	5122	5076
25°	5044	4981	4892
30°	4920	4792	4677
35°	4791	4613	4450
40°	4618	4398	4208
45°	4461	4207	3947
50°	4300	3979	3693
55°	4125	3758	3451
60°	3935	3530	3177
65°	3715	3270	2890
70°	3459	2966	2575
75°	3137	2603	2293
80°	2733	2183	2030
85°	2110	1843	1843

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4461 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	0.6
10°-20°	252.6	1.7
20°-30°	367.0	2.5
30°-40°	417.2	2.8
40°-50°	405.0	2.7
50°-60°	342.0	2.3
60°-70°	243.3	1.6
70°-80°	130.0	0.9
80°-90°	34.3	0.2
90°-100°	144.5	1.0
100°-110°	757.5	5.1
110°-120°	1906.8	12.8
120°-130°	2941.7	19.8
130°-140°	2693.0	18.1
140°-150°	1987.5	13.4
150°-160°	1266.9	8.5
160°-170°	667.0	4.5
170°-180°	207.7	1.4
0°-30°	709.4	4.8
0°-40°	1126.7	7.6
0°-60°	1873.6	12.6
0°-90°	2281.3	15.4
90°-120°	2808.9	18.9
90°-150°	10431.1	70.2
90°-180°	12573.0	84.6
0°-180°	14853.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	953	953	953	953	953	
5°	945	957	945	944	951	90
15°	898	906	898	893	893	253
25°	808	811	798	787	784	372
35°	694	687	668	648	644	432
45°	558	549	526	501	493	430
55°	418	407	381	356	350	374
65°	278	268	244	222	216	275
75°	144	136	119	107	105	153
85°	32	30	28	28	28	38
90°	0	0	0	0	0	4
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°	952.9	952.9	952.9	952.9	952.9
2.5°	948.0	957.5	949.1	950.2	952.3
5°	944.7	956.6	945.4	944.2	950.8
7.5°	937.4	948.3	936.6	933.9	939.9
10°	929.8	941.8	928.5	925.2	928.5
12.5°	916.3	928.7	918.2	912.7	915.5
15°	898.0	906.0	898.0	892.6	892.6
17.5°	875.7	884.0	869.1	865.3	863.8
20°	859.5	866.7	850.7	845.2	843.2
22.5°	837.8	844.6	831.2	821.9	819.4
25°	808.0	810.7	797.9	787.0	783.7
27.5°	778.1	778.8	761.2	748.0	743.6
30°	753.2	753.9	733.6	719.3	716.0
32.5°	728.3	726.3	707.1	690.1	687.8
35°	693.7	687.0	667.9	648.2	644.3
37.5°	651.8	647.9	625.3	605.5	599.6
40°	625.3	618.7	595.5	575.8	569.8
42.5°	598.8	591.1	567.4	545.4	539.0
45°	557.6	549.0	525.8	500.6	493.3
47.5°	516.2	506.8	481.3	456.9	448.8
50°	488.6	478.7	452.1	428.2	419.6
52.5°	460.5	450.0	423.4	399.0	392.0
55°	418.2	407.0	381.0	356.5	349.9
57.5°	376.0	364.9	339.0	315.9	307.9
60°	347.8	337.3	312.0	288.8	280.8
62.5°	319.2	309.1	284.4	261.7	254.3
65°	277.5	267.5	244.3	222.5	215.9
67.5°	236.2	227.7	204.8	184.8	179.5
70°	209.1	201.2	179.3	160.9	155.7
72.5°	183.1	174.7	153.9	138.2	134.5
75°	143.5	135.5	119.1	106.9	104.9
77.5°	107.2	100.7	86.5	79.6	78.5
80°	83.9	78.0	67.0	62.3	62.3
82.5°	62.3	57.4	50.2	48.2	48.2
85°	32.5	29.8	28.4	28.4	28.4
87.5°	9.7	9.7	9.2	8.7	8.7
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)