

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: P1056973

Luminaire Tested: CB2-B-030U-120D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1056973
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-030U-120D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12519.1 lumens
Efficiency: N/A
Efficacy: 117.3 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

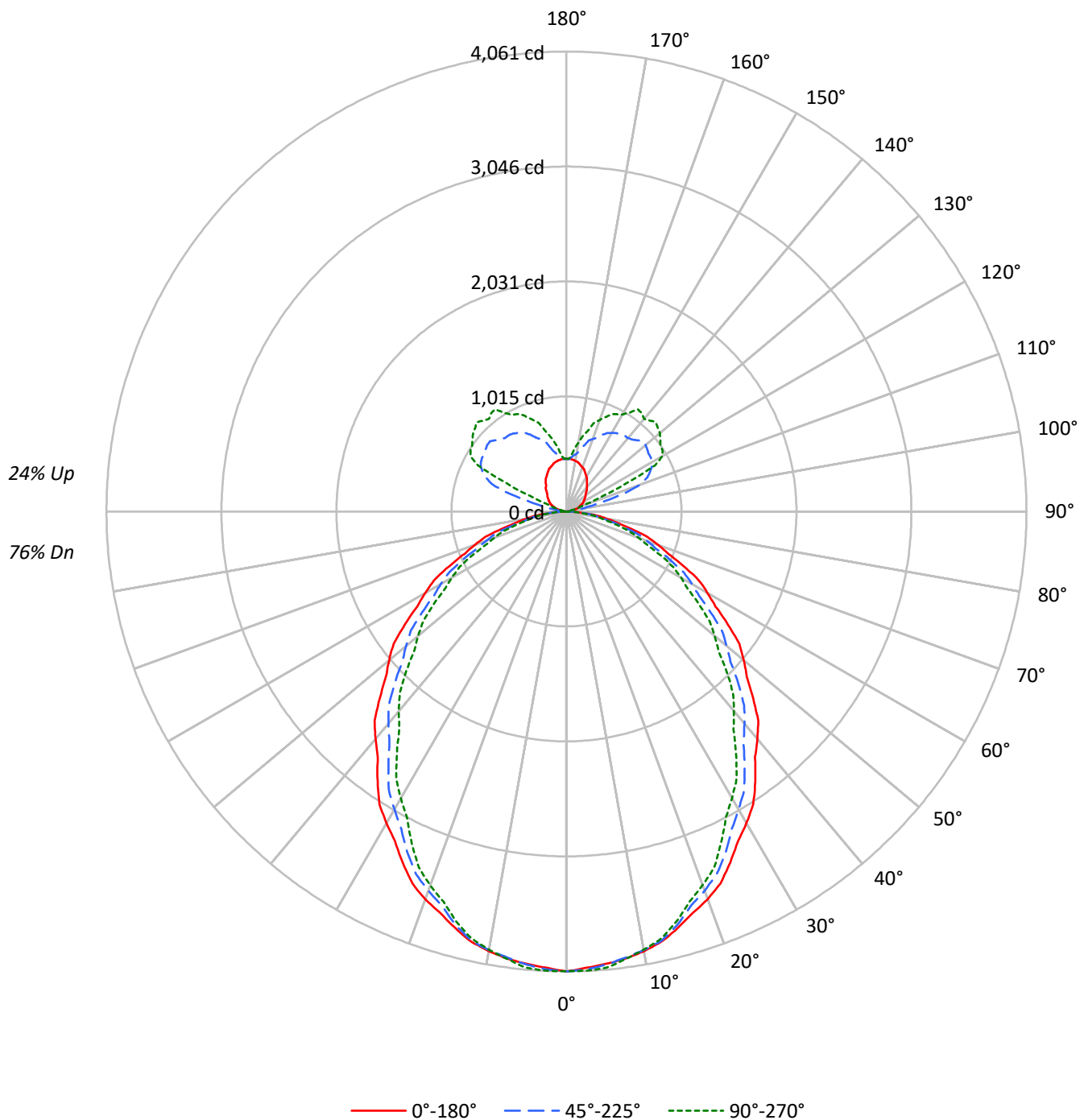
Input Watts (W): 106.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	113	113	113	113	108	108	108	108	98	98	98	88	88	88	80	80	80
1	104	99	95	92	99	95	91	88	86	83	81	78	76	74	71	69	68
2	95	87	81	76	90	83	78	73	76	71	68	69	66	62	63	60	58
3	87	77	69	63	82	74	67	61	67	62	57	61	57	53	56	52	49
4	80	68	60	54	75	66	58	52	60	54	49	55	50	46	50	46	43
5	73	61	53	47	70	59	51	45	54	48	43	49	44	40	45	41	38
6	68	55	47	41	64	53	45	40	49	42	38	45	40	35	41	37	33
7	63	50	42	36	60	48	41	35	45	38	33	41	36	32	38	33	30
8	58	46	38	32	56	44	37	31	41	34	30	38	32	28	35	30	27
9	55	42	34	29	52	40	33	28	38	31	27	35	29	26	32	28	24
10	51	39	31	26	49	37	30	26	35	29	25	32	27	23	30	25	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35368	35368	35368
5°	35067	35122	35366
10°	34868	34786	34758
15°	34316	34092	33811
20°	33776	33026	32565
25°	32868	31942	31046
30°	31958	30551	29393
35°	30911	29126	27737
40°	29801	27787	26160
45°	28685	26387	24626
50°	27679	25025	23130
55°	26440	23607	21718
60°	25022	22261	20310
65°	23516	20761	18902
70°	21854	19082	17103
75°	19879	17265	15485
80°	17779	15126	14037
85°	13669	12430	10252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28685 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.9	3.1
10°-20°	1064.6	8.5
20°-30°	1530.7	12.2
30°-40°	1720.5	13.7
40°-50°	1662.0	13.3
50°-60°	1404.2	11.2
60°-70°	1008.6	8.1
70°-80°	551.3	4.4
80°-90°	146.4	1.2
90°-100°	34.8	0.3
100°-110°	215.3	1.7
110°-120°	543.0	4.3
120°-130°	652.7	5.2
130°-140°	591.8	4.7
140°-150°	471.9	3.8
150°-160°	321.9	2.6
160°-170°	170.2	1.4
170°-180°	47.4	0.4
0°-30°	2977.2	23.8
0°-40°	4697.7	37.5
0°-60°	7763.9	62.0
0°-90°	9470.2	75.6
90°-120°	793.0	6.3
90°-150°	2509.4	20.0
90°-180°	3049.0	24.4
0°-180°	12519.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4061	4061	4061	4061	4061	
5°	4011	4066	4018	4018	4046	381
15°	3806	3840	3781	3744	3750	1073
25°	3421	3424	3324	3249	3231	1575
35°	2908	2874	2740	2633	2609	1816
45°	2329	2280	2142	2030	2000	1799
55°	1741	1678	1555	1458	1430	1557
65°	1141	1099	1008	936	917	1132
75°	591	554	513	472	460	632
85°	137	128	124	109	103	163
90°	0	0	0	0	0	6
95°	18	45	14	10	10	23
105°	88	246	356	89	60	92
115°	152	336	812	756	576	149
125°	198	407	886	1008	1014	177
135°	248	451	888	1040	1116	193
145°	318	474	838	1010	1100	199
155°	386	484	746	899	946	178
165°	438	479	602	709	742	123
175°	464	470	478	486	496	44
180°	464	464	464	464	464	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4061.2	4061.2	4061.2	4061.2	4061.2
2.5°	4033.8	4082.4	4046.2	4051.4	4058.7
5°	4011.4	4066.1	4017.6	4018.3	4045.6
7.5°	3982.8	4034.5	3973.5	3962.2	3987.8
10°	3943.0	3994.7	3933.7	3912.3	3930.6
12.5°	3890.8	3940.0	3881.4	3847.6	3863.4
15°	3806.2	3839.6	3781.3	3744.1	3750.2
17.5°	3714.1	3734.8	3650.7	3619.5	3613.4
20°	3644.5	3662.7	3563.6	3520.0	3513.9
22.5°	3554.9	3570.7	3466.6	3412.9	3404.4
25°	3420.6	3423.6	3324.2	3249.1	3230.9
27.5°	3280.0	3270.3	3160.0	3071.1	3047.4
30°	3178.0	3165.9	3038.1	2944.3	2923.0
32.5°	3068.6	3046.7	2918.7	2817.5	2796.2
35°	2907.5	2874.0	2739.6	2633.3	2609.0
37.5°	2735.8	2698.1	2566.1	2450.4	2423.0
40°	2621.4	2578.8	2444.2	2328.5	2301.1
42.5°	2507.0	2459.5	2322.3	2206.5	2176.7
45°	2329.1	2280.5	2142.5	2029.9	1999.5
47.5°	2159.9	2097.9	1964.0	1852.0	1821.6
50°	2043.0	1976.1	1847.1	1737.6	1707.2
52.5°	1923.6	1854.3	1730.2	1625.6	1595.2
55°	1741.4	1677.5	1554.8	1457.8	1430.4
57.5°	1561.0	1499.6	1387.5	1294.9	1268.1
60°	1436.6	1385.0	1278.1	1190.4	1166.1
62.5°	1317.2	1270.4	1168.6	1088.4	1064.1
65°	1141.2	1098.7	1007.5	935.6	917.3
67.5°	970.2	927.6	853.9	789.4	768.7
70°	858.3	815.7	749.4	689.9	671.7
72.5°	751.3	706.3	652.4	598.0	584.6
75°	590.8	554.3	513.1	472.4	460.2
77.5°	449.0	413.8	383.7	355.0	352.0
80°	354.5	324.1	301.6	282.9	279.9
82.5°	264.9	241.8	227.0	213.3	212.7
85°	136.8	127.7	124.4	108.7	102.6
87.5°	39.8	39.8	34.8	29.9	29.9
90°	0.0	0.0	0.0	0.0	0.0
92.5°	4.8	7.9	3.2	3.2	3.2
95°	18.0	45.4	14.0	10.0	10.0
97.5°	37.6	108.8	75.6	20.3	17.6
100°	52.0	157.6	130.0	29.9	24.0
102.5°	66.4	200.2	205.2	47.4	36.8
105°	88.0	246.4	356.0	89.3	60.0
107.5°	109.2	276.6	545.6	184.3	111.2
110°	122.0	294.1	688.0	287.4	172.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	134.8	311.6	766.4	460.7	296.8
115°	152.0	335.8	812.0	755.9	576.0
117.5°	166.4	358.1	851.2	934.8	882.0
120°	176.0	375.5	872.0	960.4	978.0
122.5°	185.6	388.2	883.2	970.4	1003.6
125°	198.0	407.3	886.0	1008.2	1014.0
127.5°	210.4	421.6	899.2	1042.9	1045.6
130°	220.0	431.2	912.0	1054.5	1076.0
132.5°	231.2	439.3	916.8	1061.2	1093.6
135°	248.0	451.4	888.0	1039.8	1116.0
137.5°	269.2	460.1	860.4	1039.1	1088.4
140°	282.0	461.9	846.0	1062.1	1066.0
142.5°	296.4	466.9	842.8	1059.6	1093.2
145°	318.0	474.5	838.0	1010.1	1100.0
147.5°	339.6	479.2	819.6	955.4	1034.0
150°	354.0	481.1	802.0	937.1	986.0
152.5°	368.4	483.0	779.6	925.8	966.8
155°	386.0	483.8	746.0	899.1	946.0
157.5°	404.4	481.5	705.6	850.4	901.6
160°	414.0	478.5	680.0	815.0	860.0
162.5°	423.6	477.2	657.6	768.8	821.6
165°	438.0	479.1	602.0	708.8	742.0
167.5°	447.6	477.3	550.0	637.5	684.4
170°	454.0	477.5	518.0	582.9	622.0
172.5°	458.8	469.8	498.8	533.0	559.6
175°	464.0	469.9	478.0	486.2	496.0
177.5°	465.6	468.7	462.4	460.9	464.0
180°	464.0	464.0	464.0	464.0	464.0

(END OF REPORT)