

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: P1057081

Luminaire Tested: CB3-B-030U-120D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057081
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-030U-120D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-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: 12344.0 lumens
Efficiency: N/A
Efficacy: 130.5 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-Direct

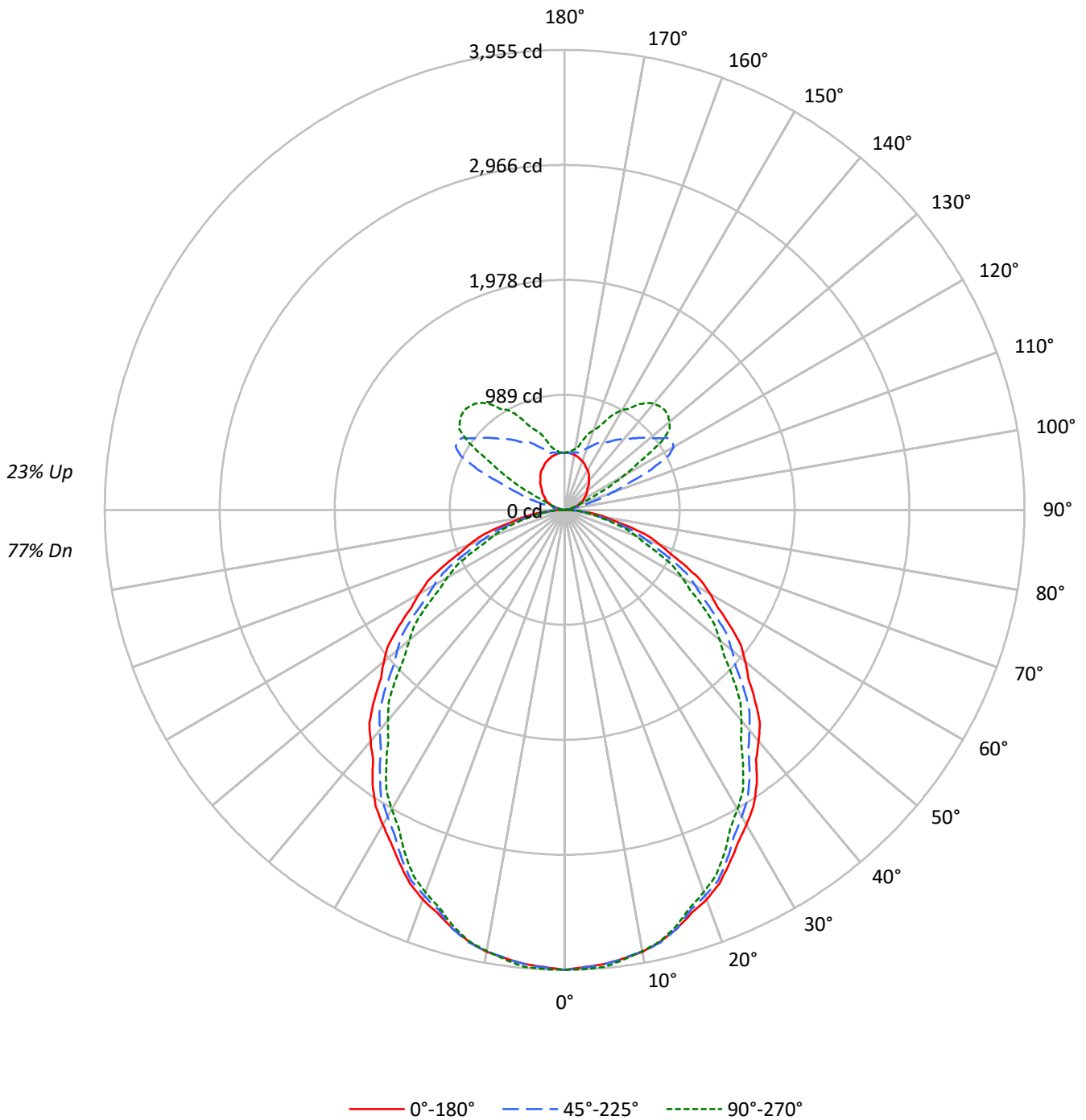
Input Watts (W): 94.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	114	114	114	114	108	108	108	108	98	98	98	89	89	89	81	81	81	77				77
1	104	100	96	92	99	95	92	88	87	84	81	79	77	75	72	70	69				65	
2	95	87	81	76	90	84	78	73	76	72	68	70	66	63	64	61	58				55	
3	87	77	70	64	83	74	67	62	68	62	58	62	57	54	57	53	50				47	
4	80	69	60	54	76	66	58	53	60	54	49	55	50	46	51	47	43				40	
5	73	61	53	47	70	59	51	45	54	48	43	50	45	40	46	41	38				35	
6	68	55	47	41	64	53	45	40	49	43	38	45	40	36	42	37	34				31	
7	63	50	42	36	60	48	41	35	45	38	33	41	36	32	38	34	30				28	
8	59	46	38	32	56	44	37	32	41	35	30	38	32	28	35	30	27				25	
9	55	42	34	29	52	41	33	28	38	31	27	35	30	26	33	28	24				22	
10	51	39	31	26	49	37	30	26	35	29	25	33	27	23	30	26	22				20	

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	3.0
10°-20°	1048.4	8.5
20°-30°	1523.3	12.3
30°-40°	1731.9	14.0
40°-50°	1681.2	13.6
50°-60°	1419.4	11.5
60°-70°	1009.9	8.2
70°-80°	539.6	4.4
80°-90°	142.6	1.2
90°-100°	33.0	0.3
100°-110°	173.2	1.4
110°-120°	436.0	3.5
120°-130°	672.6	5.4
130°-140°	615.7	5.0
140°-150°	454.4	3.7
150°-160°	289.7	2.3
160°-170°	152.5	1.2
170°-180°	47.5	0.4
0°-30°	2944.9	23.9
0°-40°	4676.7	37.9
0°-60°	7777.4	63.0
0°-90°	9469.5	76.7
90°-120°	642.2	5.2
90°-150°	2384.9	19.3
90°-180°	2875.0	23.3
0°-180°	12344.0	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	6
95°	17	49	19	11	11	22
105°	88	274	198	82	67	94
115°	168	343	822	358	271	164
125°	224	346	1076	1085	1003	200
135°	288	385	872	1189	1216	223
145°	364	421	728	1012	1107	226
155°	420	451	624	773	853	194
165°	465	478	502	586	626	131
175°	491	501	487	489	493	46
180°	489	489	489	489	489	



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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°	5.2	11.9	3.4	1.8	3.4
95°	17.2	48.8	19.4	10.8	10.8
97.5°	35.7	109.0	49.9	26.6	24.1
100°	49.5	154.8	77.5	38.7	34.4
102.5°	65.0	200.6	117.1	52.4	44.8
105°	88.3	273.5	198.1	81.5	66.7
107.5°	114.1	323.4	326.4	125.6	101.2
110°	131.3	343.9	434.9	164.9	127.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	146.8	349.3	579.6	224.9	173.5
115°	167.9	342.7	822.4	357.6	271.3
117.5°	183.4	326.2	1006.7	568.9	438.8
120°	193.8	326.4	1080.8	728.7	583.4
122.5°	205.8	328.3	1101.4	887.4	754.0
125°	223.9	346.0	1076.5	1085.4	1003.3
127.5°	242.0	359.0	1009.3	1166.7	1141.1
130°	254.0	367.7	955.9	1194.5	1175.5
132.5°	266.1	376.4	918.0	1195.1	1204.8
135°	288.5	385.3	871.9	1189.1	1216.4
137.5°	311.3	396.4	828.9	1151.4	1208.2
140°	325.1	405.1	794.4	1110.6	1192.7
142.5°	340.6	412.2	761.7	1072.9	1160.0
145°	363.8	420.7	727.7	1011.9	1106.6
147.5°	381.9	425.3	689.4	950.4	1028.7
150°	394.0	425.6	673.9	895.7	992.5
152.5°	404.3	434.2	654.9	845.5	933.9
155°	419.8	451.4	624.4	772.6	852.6
157.5°	435.3	465.6	588.2	718.2	772.5
160°	445.7	470.9	564.1	691.9	727.7
162.5°	454.3	476.2	538.2	647.2	688.1
165°	465.0	477.7	501.6	586.5	626.5
167.5°	474.9	481.3	504.7	526.9	559.3
170°	480.1	486.4	499.5	521.3	531.8
172.5°	485.3	495.0	492.6	507.4	516.3
175°	490.9	501.4	486.6	488.8	493.0
177.5°	492.2	497.2	493.9	494.0	499.1
180°	488.7	488.7	488.7	488.7	488.7

(END OF REPORT)