

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: P1056971

Luminaire Tested: CB2-B-030U-120D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1056971
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11629.7 lumens
Efficiency: N/A
Efficacy: 109.0 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

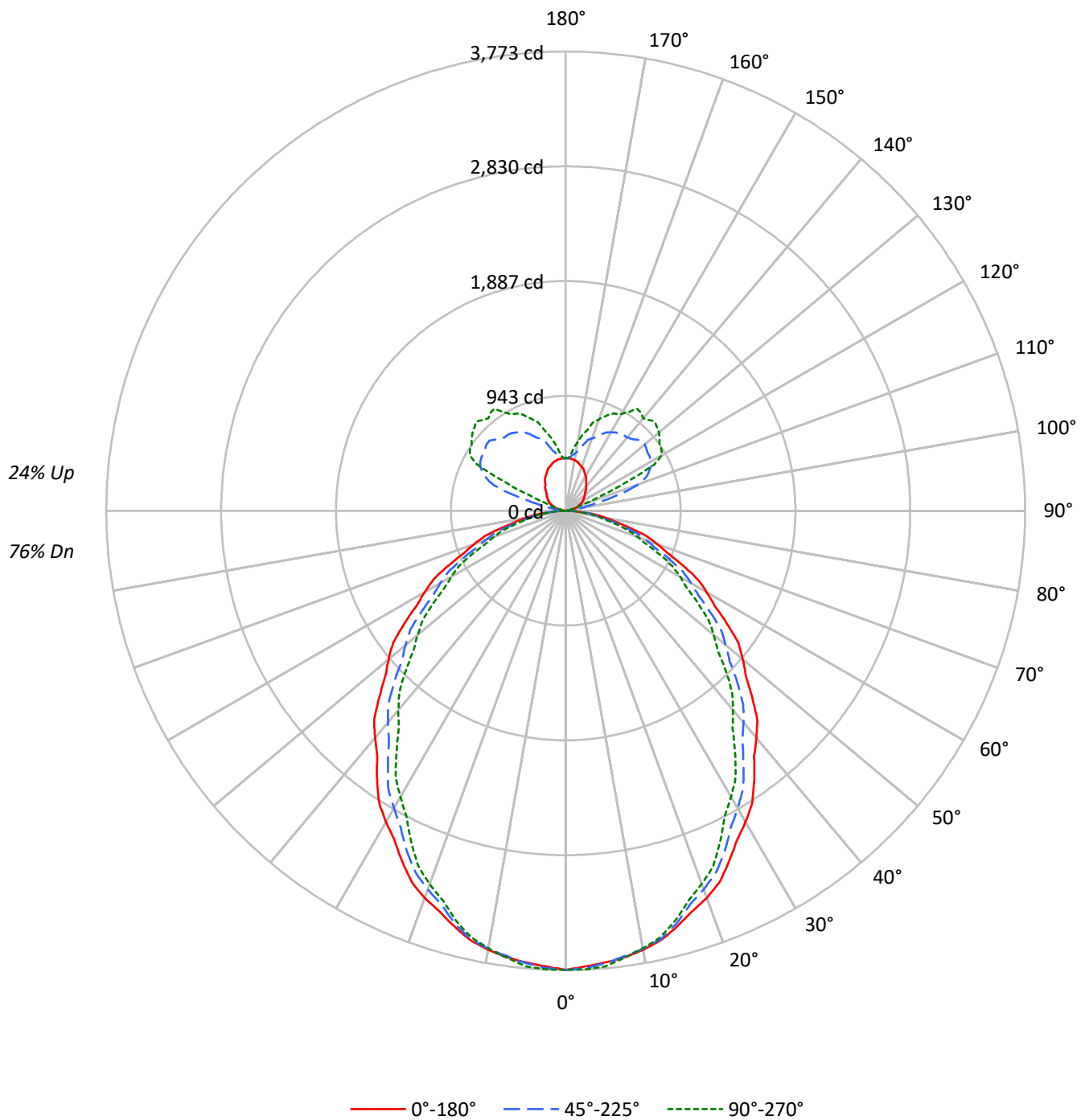
Input Watts (W): 106.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	32854	32854	32854
5°	32576	32627	32854
10°	32391	32314	32288
15°	31878	31669	31410
20°	31375	30679	30251
25°	30533	29672	28840
30°	29687	28381	27306
35°	28714	27056	25766
40°	27684	25812	24301
45°	26647	24512	22876
50°	25713	23248	21486
55°	24562	21929	20175
60°	23245	20680	18868
65°	21845	19286	17561
70°	20301	17727	15889
75°	18469	16037	14384
80°	16515	14052	13039
85°	12700	11541	9522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26647 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.8	3.1
10°-20°	988.9	8.5
20°-30°	1421.9	12.2
30°-40°	1598.2	13.7
40°-50°	1543.9	13.3
50°-60°	1304.5	11.2
60°-70°	937.0	8.1
70°-80°	512.1	4.4
80°-90°	136.0	1.2
90°-100°	32.3	0.3
100°-110°	200.0	1.7
110°-120°	504.4	4.3
120°-130°	606.3	5.2
130°-140°	549.7	4.7
140°-150°	438.4	3.8
150°-160°	299.0	2.6
160°-170°	158.1	1.4
170°-180°	44.0	0.4
0°-30°	2765.7	23.8
0°-40°	4363.9	37.5
0°-60°	7212.3	62.0
0°-90°	8797.4	75.6
90°-120°	736.7	6.3
90°-150°	2331.1	20.0
90°-180°	2832.0	24.4
0°-180°	11629.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3773	3773	3773	3773	3773	
5°	3726	3777	3732	3733	3758	354
15°	3536	3567	3513	3478	3484	997
25°	3178	3180	3088	3018	3001	1463
35°	2701	2670	2545	2446	2424	1687
45°	2164	2118	1990	1886	1857	1672
55°	1618	1558	1444	1354	1329	1446
65°	1060	1021	936	869	852	1051
75°	549	515	477	439	428	587
85°	127	119	116	101	95	151
90°	0	0	0	0	0	6
95°	17	42	13	9	9	21
105°	82	229	331	83	56	86
115°	141	312	754	702	535	138
125°	184	378	823	936	942	165
135°	230	419	825	966	1037	179
145°	295	441	778	938	1022	185
155°	359	449	693	835	879	165
165°	407	445	559	658	689	114
175°	431	436	444	452	461	41
180°	431	431	431	431	431	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3772.6	3772.6	3772.6	3772.6	3772.6
2.5°	3747.2	3792.4	3758.8	3763.5	3770.3
5°	3726.4	3777.3	3732.2	3732.8	3758.2
7.5°	3699.8	3747.9	3691.2	3680.7	3704.5
10°	3662.9	3710.9	3654.2	3634.4	3651.3
12.5°	3614.3	3660.1	3605.7	3574.2	3588.9
15°	3535.8	3566.8	3512.6	3478.1	3483.8
17.5°	3450.3	3469.5	3391.3	3362.3	3356.7
20°	3385.5	3402.5	3310.4	3269.9	3264.2
22.5°	3302.4	3317.0	3220.3	3170.4	3162.5
25°	3177.6	3180.4	3088.0	3018.3	3001.4
27.5°	3047.0	3038.0	2935.5	2852.9	2830.9
30°	2952.2	2940.9	2822.3	2735.1	2715.4
32.5°	2850.6	2830.2	2711.3	2617.3	2597.5
35°	2700.9	2669.9	2544.9	2446.2	2423.6
37.5°	2541.5	2506.4	2383.7	2276.3	2250.9
40°	2435.2	2395.6	2270.5	2163.1	2137.6
42.5°	2328.9	2284.8	2157.3	2049.8	2022.1
45°	2163.6	2118.4	1990.3	1885.7	1857.4
47.5°	2006.5	1948.9	1824.5	1720.4	1692.2
50°	1897.9	1835.7	1715.9	1614.1	1585.9
52.5°	1786.9	1722.5	1607.3	1510.1	1481.9
55°	1617.7	1558.4	1444.3	1354.2	1328.8
57.5°	1450.1	1393.1	1288.9	1202.9	1178.0
60°	1334.6	1286.6	1187.3	1105.9	1083.3
62.5°	1223.6	1180.2	1085.6	1011.1	988.5
65°	1060.1	1020.6	935.9	869.1	852.2
67.5°	901.3	861.7	793.2	733.3	714.1
70°	797.3	757.7	696.2	640.9	624.0
72.5°	697.9	656.1	606.0	555.5	543.1
75°	548.9	515.0	476.6	438.8	427.5
77.5°	417.1	384.4	356.5	329.8	327.0
80°	329.3	301.1	280.2	262.8	260.0
82.5°	246.1	224.7	210.9	198.2	197.6
85°	127.1	118.6	115.5	101.0	95.3
87.5°	37.0	37.0	32.4	27.7	27.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	4.5	7.4	3.0	3.0	3.0
95°	16.7	42.2	13.0	9.3	9.3
97.5°	34.9	101.1	70.2	18.9	16.4
100°	48.3	146.4	120.8	27.7	22.3
102.5°	61.7	185.9	190.6	44.0	34.2
105°	81.8	228.9	330.7	83.0	55.7
107.5°	101.4	257.0	506.9	171.2	103.3
110°	113.3	273.2	639.1	267.0	159.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	125.2	289.5	712.0	428.0	275.7
115°	141.2	312.0	754.3	702.2	535.1
117.5°	154.6	332.6	790.7	868.4	819.4
120°	163.5	348.8	810.1	892.2	908.5
122.5°	172.4	360.6	820.5	901.4	932.3
125°	183.9	378.3	823.1	936.5	942.0
127.5°	195.5	391.7	835.3	968.8	971.3
130°	204.4	400.6	847.2	979.6	999.6
132.5°	214.8	408.1	851.7	985.8	1015.9
135°	230.4	419.3	824.9	965.9	1036.7
137.5°	250.1	427.4	799.3	965.3	1011.1
140°	262.0	429.1	785.9	986.7	990.3
142.5°	275.3	433.8	782.9	984.3	1015.6
145°	295.4	440.7	778.5	938.3	1021.9
147.5°	315.5	445.2	761.4	887.5	960.6
150°	328.9	446.9	745.0	870.6	916.0
152.5°	342.2	448.7	724.2	860.0	898.1
155°	358.6	449.4	693.0	835.2	878.8
157.5°	375.7	447.3	655.5	790.0	837.6
160°	384.6	444.5	631.7	757.1	798.9
162.5°	393.5	443.3	610.9	714.2	763.2
165°	406.9	445.0	559.2	658.4	689.3
167.5°	415.8	443.4	510.9	592.2	635.8
170°	421.8	443.6	481.2	541.5	577.8
172.5°	426.2	436.4	463.4	495.1	519.9
175°	431.0	436.5	444.1	451.7	460.8
177.5°	432.5	435.4	429.6	428.1	431.0
180°	431.0	431.0	431.0	431.0	431.0

(END OF REPORT)