

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: P1057079

Luminaire Tested: CB3-B-030U-120D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057079
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11467.0 lumens
Efficiency: N/A
Efficacy: 121.2 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: Semi-Direct

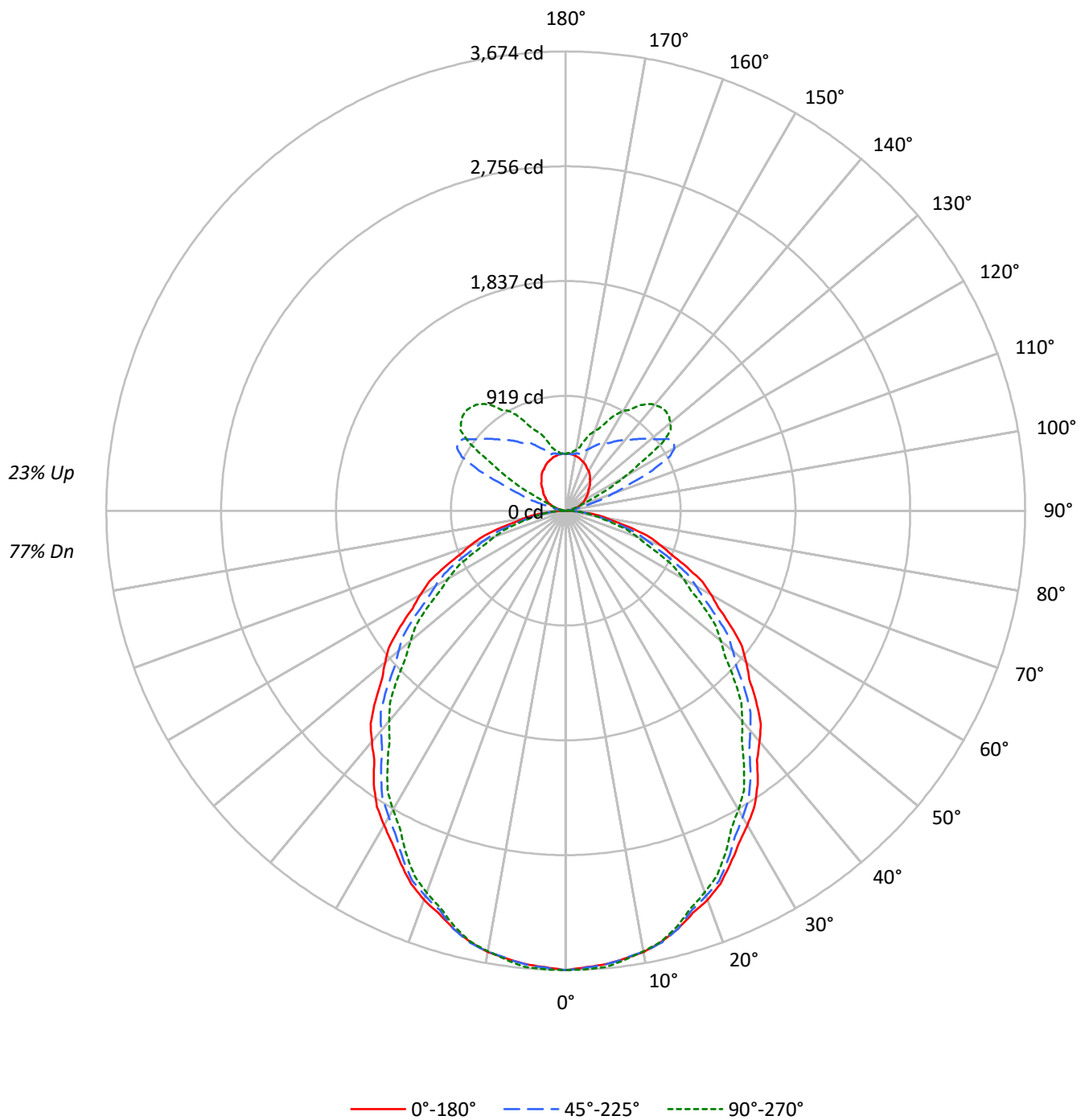
Input Watts (W): 94.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057079

CATALOG NUMBER: CB3-B-030U-120D-830-1D-UNV-STD-W-8

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20787	20787	20787
5°	20688	20703	20821
10°	20597	20567	20567
15°	20282	20282	20159
20°	19952	19748	19575
25°	19449	19205	18863
30°	18973	18479	18036
35°	18473	17788	17157
40°	17807	16959	16227
45°	17204	16222	15220
50°	16582	15342	14239
55°	15906	14491	13306
60°	15176	13611	12254
65°	14322	12611	11144
70°	13339	11438	9928
75°	12092	10039	8842
80°	10543	8415	7822
85°	8133	7114	7114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 17204 cd/sqm

TEST NUMBER: P1057079

CATALOG NUMBER: CB3-B-030U-120D-830-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.7	3.0
10°-20°	974.0	8.5
20°-30°	1415.0	12.3
30°-40°	1608.8	14.0
40°-50°	1561.8	13.6
50°-60°	1318.6	11.5
60°-70°	938.2	8.2
70°-80°	501.2	4.4
80°-90°	132.4	1.2
90°-100°	30.7	0.3
100°-110°	160.9	1.4
110°-120°	405.0	3.5
120°-130°	624.8	5.4
130°-140°	572.0	5.0
140°-150°	422.1	3.7
150°-160°	269.1	2.3
160°-170°	141.7	1.2
170°-180°	44.1	0.4
0°-30°	2735.7	23.9
0°-40°	4344.5	37.9
0°-60°	7224.8	63.0
0°-90°	8796.7	76.7
90°-120°	596.6	5.2
90°-150°	2215.5	19.3
90°-180°	2670.0	23.3
0°-180°	11467.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3674	3674	3674	3674	3674	
5°	3643	3689	3646	3641	3666	346
15°	3463	3494	3463	3442	3442	975
25°	3116	3126	3077	3035	3022	1436
35°	2675	2649	2576	2500	2484	1667
45°	2150	2117	2028	1930	1902	1659
55°	1613	1569	1469	1375	1349	1442
65°	1070	1032	942	858	832	1060
75°	553	523	459	412	404	590
85°	125	115	110	110	110	148
90°	0	0	0	0	0	6
95°	16	45	18	10	10	20
105°	82	254	184	76	62	88
115°	156	318	764	332	252	152
125°	208	321	1000	1008	932	186
135°	268	358	810	1105	1130	207
145°	338	391	676	940	1028	210
155°	390	419	580	718	792	180
165°	432	444	466	545	582	122
175°	456	466	452	454	458	43
180°	454	454	454	454	454	

TEST NUMBER: P1057079

CATALOG NUMBER: CB3-B-030U-120D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3674.3	3674.3	3674.3	3674.3	3674.3
2.5°	3655.5	3692.2	3659.7	3664.0	3672.2
5°	3643.0	3688.9	3645.6	3640.9	3666.4
7.5°	3614.8	3656.6	3611.6	3601.2	3624.2
10°	3585.5	3631.5	3580.3	3567.6	3580.3
12.5°	3533.4	3581.3	3540.7	3519.5	3530.2
15°	3462.9	3493.5	3462.9	3442.0	3442.0
17.5°	3376.8	3408.9	3351.2	3336.5	3330.9
20°	3314.1	3342.2	3280.2	3259.2	3251.5
22.5°	3230.6	3256.7	3205.1	3169.4	3159.7
25°	3115.8	3126.0	3076.7	3034.6	3021.9
27.5°	3000.5	3003.0	2935.2	2884.2	2867.4
30°	2904.4	2907.0	2828.8	2773.7	2760.9
32.5°	2808.4	2800.8	2726.5	2661.0	2652.4
35°	2674.8	2649.3	2575.6	2499.6	2484.3
37.5°	2513.5	2498.2	2411.2	2335.0	2312.1
40°	2411.2	2385.7	2296.4	2220.2	2197.3
42.5°	2308.9	2279.3	2187.9	2103.3	2078.3
45°	2150.3	2117.1	2027.6	1930.4	1902.4
47.5°	1990.6	1954.3	1855.9	1761.8	1730.7
50°	1884.1	1845.8	1743.2	1651.1	1617.9
52.5°	1775.5	1735.2	1632.5	1538.5	1511.5
55°	1612.7	1569.3	1469.2	1374.7	1349.1
57.5°	1449.9	1407.0	1307.4	1218.0	1187.4
60°	1341.3	1300.5	1203.0	1113.6	1083.0
62.5°	1230.7	1191.9	1096.5	1009.3	980.7
65°	1069.9	1031.6	942.1	858.0	832.5
67.5°	910.7	878.1	789.7	712.5	692.1
70°	806.4	775.7	691.5	620.6	600.2
72.5°	706.1	673.5	593.4	533.1	518.8
75°	553.2	522.6	459.3	412.1	404.5
77.5°	413.4	388.3	333.5	306.8	302.7
80°	323.6	300.6	258.3	240.1	240.1
82.5°	240.1	221.2	193.6	185.8	185.8
85°	125.3	115.1	109.6	109.6	109.6
87.5°	37.6	37.6	35.5	33.4	33.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	4.8	11.1	3.2	1.6	3.2
95°	16.0	45.3	18.0	10.0	10.0
97.5°	33.2	101.3	46.4	24.7	22.4
100°	46.0	143.8	72.0	35.9	32.0
102.5°	60.4	186.3	108.8	48.6	41.6
105°	82.0	254.1	184.0	75.7	62.0
107.5°	106.0	300.4	303.2	116.7	94.0
110°	122.0	319.5	404.0	153.2	118.0

TEST NUMBER: P1057079

CATALOG NUMBER: CB3-B-030U-120D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	136.4	324.5	538.4	208.9	161.2
115°	156.0	318.3	764.0	332.2	252.0
117.5°	170.4	303.0	935.2	528.5	407.6
120°	180.0	303.2	1004.0	676.9	542.0
122.5°	191.2	305.0	1023.2	824.4	700.4
125°	208.0	321.4	1000.0	1008.3	932.0
127.5°	224.8	333.5	937.6	1083.9	1060.0
130°	236.0	341.6	888.0	1109.6	1092.0
132.5°	247.2	349.7	852.8	1110.2	1119.2
135°	268.0	358.0	810.0	1104.6	1130.0
137.5°	289.2	368.2	770.0	1069.6	1122.4
140°	302.0	376.3	738.0	1031.7	1108.0
142.5°	316.4	382.9	707.6	996.6	1077.6
145°	338.0	390.8	676.0	940.0	1028.0
147.5°	354.8	395.1	640.4	882.8	955.6
150°	366.0	395.3	626.0	832.0	922.0
152.5°	375.6	403.4	608.4	785.5	867.6
155°	390.0	419.3	580.0	717.7	792.0
157.5°	404.4	432.6	546.4	667.1	717.6
160°	414.0	437.5	524.0	642.8	676.0
162.5°	422.0	442.3	500.0	601.3	639.2
165°	432.0	443.7	466.0	544.8	582.0
167.5°	441.2	447.1	468.8	489.5	519.6
170°	446.0	451.9	464.0	484.2	494.0
172.5°	450.8	459.8	457.6	471.4	479.6
175°	456.0	465.8	452.0	454.1	458.0
177.5°	457.2	461.9	458.8	458.9	463.6
180°	454.0	454.0	454.0	454.0	454.0

(END OF REPORT)