

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1439383

Luminaire Tested: CB3-B-030U-055D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439383
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-B-030U-055D-940-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

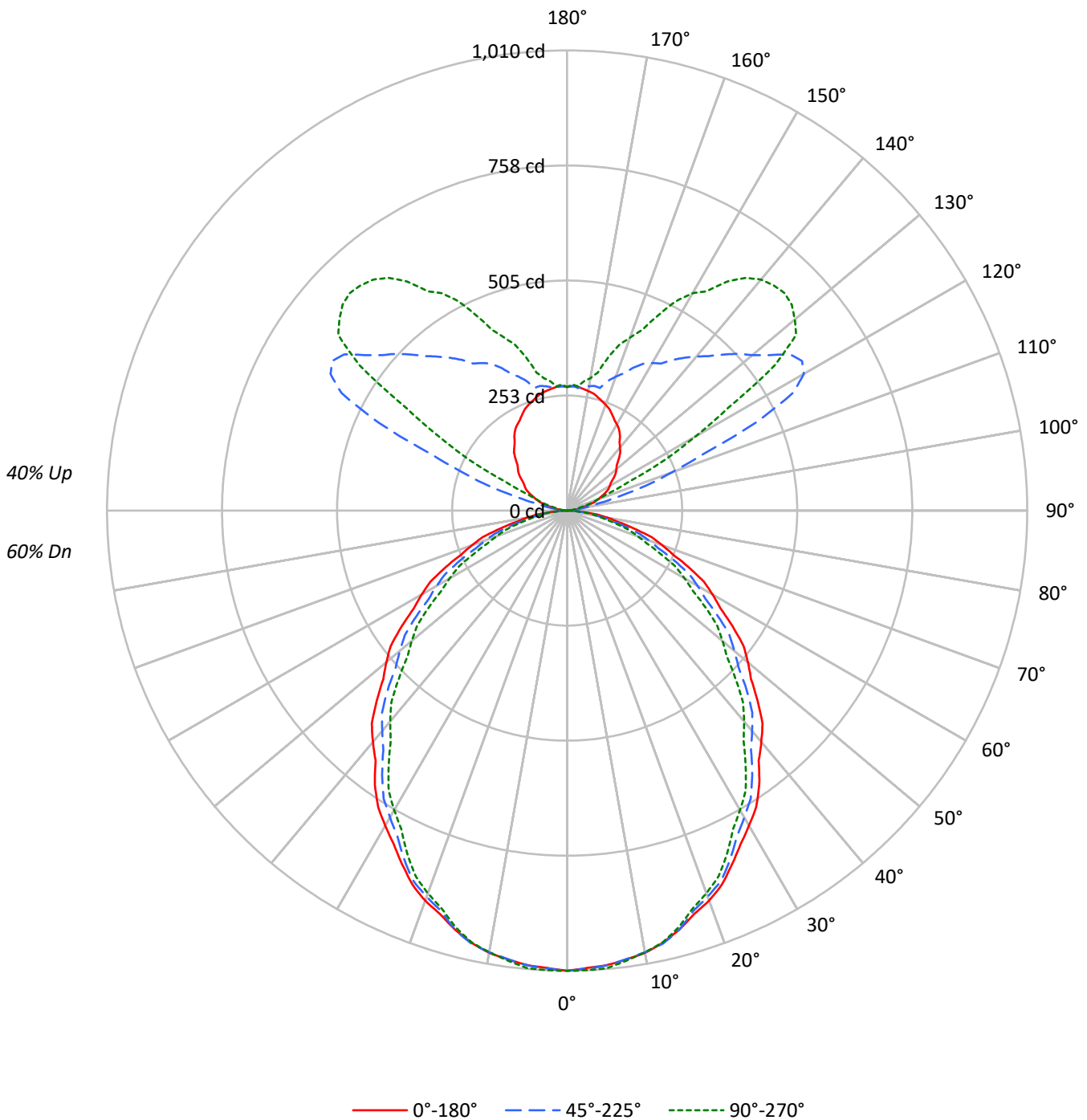
Lumens per Lamp: N/A
Luminaire Lumens: 4013.6 lumens
Efficiency: N/A
Efficacy: 162.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 24.7
Input Voltage (V): 120
Input Current (A_{in}): 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: P1439383

CATALOG NUMBER: CB3-B-030U-055D-940-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P1439383

CATALOG NUMBER: CB3-B-030U-055D-940-1D-UNV-STD-W-4

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	0
RCR																		
0	110	110	110	110	102	102	102	102	89	89	89	77	77	77	66	66	66	60
1	100	96	92	89	94	90	87	83	78	76	74	68	66	64	58	57	56	51
2	92	84	78	73	85	79	73	69	69	65	61	60	57	54	52	49	47	43
3	84	74	67	61	78	70	63	58	61	56	52	53	49	46	46	43	41	37
4	77	66	58	52	71	62	55	49	54	49	44	48	43	40	41	38	35	32
5	70	59	51	45	66	55	48	43	49	43	38	43	38	35	37	34	31	28
6	65	53	45	39	61	50	42	37	44	38	34	39	34	30	34	30	27	24
7	60	48	40	34	56	45	38	33	40	34	30	35	31	27	31	27	24	22
8	56	44	36	30	52	41	34	29	37	31	27	32	28	24	28	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	23	20	18
10	49	37	29	25	46	35	28	24	31	26	22	28	23	20	24	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11429	11429	11429
5°	11375	11383	11449
10°	11325	11309	11309
15°	11151	11151	11085
20°	10970	10858	10763
25°	10694	10559	10372
30°	10432	10161	9916
35°	10158	9781	9434
40°	9791	9324	8923
45°	9460	8919	8369
50°	9118	8435	7830
55°	8747	7967	7317
60°	8346	7483	6737
65°	7874	6934	6128
70°	7334	6289	5458
75°	6649	5521	4861
80°	5799	4626	4300
85°	4466	3908	3908

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9460 cd/sqm



TEST NUMBER: P1439383

CATALOG NUMBER: CB3-B-030U-055D-940-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.3	2.4
10°-20°	267.8	6.7
20°-30°	389.0	9.7
30°-40°	442.3	11.0
40°-50°	429.4	10.7
50°-60°	362.5	9.0
60°-70°	257.9	6.4
70°-80°	137.8	3.4
80°-90°	36.4	0.9
90°-100°	18.4	0.5
100°-110°	96.1	2.4
110°-120°	241.9	6.0
120°-130°	373.2	9.3
130°-140°	341.7	8.5
140°-150°	252.2	6.3
150°-160°	160.7	4.0
160°-170°	84.6	2.1
170°-180°	26.3	0.7
0°-30°	752.1	18.7
0°-40°	1194.4	29.8
0°-60°	1986.2	49.5
0°-90°	2418.4	60.3
90°-120°	356.4	8.9
90°-150°	1323.5	33.0
90°-180°	1595.0	39.7
0°-180°	4013.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1010	1010	1010	1010	1010	
5°	1002	1014	1002	1001	1008	95
15°	952	960	952	946	946	268
25°	857	859	846	834	831	395
35°	735	728	708	687	683	458
45°	591	582	557	531	523	456
55°	443	431	404	378	371	396
65°	294	284	259	236	229	291
75°	152	144	126	113	111	162
85°	34	32	30	30	30	41
90°	0	0	0	0	0	2
95°	10	27	11	6	6	12
105°	49	152	110	45	37	52
115°	93	190	456	198	150	91
125°	124	192	597	602	557	111
135°	160	214	484	660	675	124
145°	202	234	404	562	614	125
155°	233	250	346	429	473	107
165°	258	265	278	326	348	73
175°	272	278	270	271	274	26
180°	271	271	271	271	271	



TEST NUMBER: P1439383

CATALOG NUMBER: CB3-B-030U-055D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1010.1	1010.1	1010.1	1010.1	1010.1
2.5°	1005.0	1015.1	1006.1	1007.3	1009.6
5°	1001.5	1014.2	1002.2	1001.0	1008.0
7.5°	993.8	1005.3	992.9	990.0	996.4
10°	985.7	998.4	984.3	980.8	984.3
12.5°	971.4	984.6	973.4	967.6	970.5
15°	952.0	960.4	952.0	946.3	946.3
17.5°	928.3	937.2	921.3	917.3	915.7
20°	911.1	918.8	901.8	896.0	893.9
22.5°	888.2	895.3	881.1	871.3	868.7
25°	856.6	859.4	845.8	834.3	830.8
27.5°	824.9	825.6	807.0	792.9	788.3
30°	798.5	799.2	777.7	762.5	759.0
32.5°	772.1	770.0	749.6	731.6	729.2
35°	735.4	728.3	708.1	687.2	683.0
37.5°	691.0	686.8	662.9	642.0	635.6
40°	662.9	655.9	631.3	610.4	604.1
42.5°	634.8	626.6	601.5	578.2	571.4
45°	591.2	582.0	557.4	530.7	523.0
47.5°	547.3	537.3	510.2	484.4	475.8
50°	518.0	507.5	479.2	453.9	444.8
52.5°	488.1	477.1	448.8	423.0	415.5
55°	443.4	431.4	403.9	377.9	370.9
57.5°	398.6	386.8	359.4	334.8	326.4
60°	368.8	357.5	330.7	306.1	297.7
62.5°	338.3	327.7	301.5	277.5	269.6
65°	294.1	283.6	259.0	235.9	228.9
67.5°	250.4	241.4	217.1	195.9	190.3
70°	221.7	213.3	190.1	170.6	165.0
72.5°	194.1	185.2	163.1	146.6	142.6
75°	152.1	143.7	126.3	113.3	111.2
77.5°	113.6	106.8	91.7	84.3	83.2
80°	89.0	82.6	71.0	66.0	66.0
82.5°	66.0	60.8	53.2	51.1	51.1
85°	34.4	31.6	30.1	30.1	30.1
87.5°	10.3	10.3	9.8	9.2	9.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	2.9	6.6	1.9	1.0	1.9
95°	9.6	27.1	10.8	6.0	6.0
97.5°	19.8	60.5	27.7	14.8	13.4
100°	27.5	85.9	43.0	21.5	19.1
102.5°	36.1	111.3	65.0	29.1	24.9
105°	49.0	151.8	109.9	45.2	37.0
107.5°	63.3	179.4	181.1	69.7	56.2
110°	72.9	190.9	241.3	91.5	70.5



TEST NUMBER: P1439383

CATALOG NUMBER: CB3-B-030U-055D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	81.5	193.9	321.6	124.8	96.3
115°	93.2	190.1	456.4	198.4	150.5
117.5°	101.8	181.0	558.7	315.7	243.5
120°	107.5	181.1	599.8	404.4	323.8
122.5°	114.2	182.2	611.2	492.5	418.4
125°	124.3	192.0	597.4	602.3	556.7
127.5°	134.3	199.2	560.1	647.5	633.2
130°	141.0	204.1	530.5	662.8	652.3
132.5°	147.7	208.9	509.4	663.2	668.6
135°	160.1	213.8	483.9	659.8	675.0
137.5°	172.8	220.0	460.0	638.9	670.5
140°	180.4	224.8	440.9	616.3	661.9
142.5°	189.0	228.7	422.7	595.4	643.7
145°	201.9	233.5	403.8	561.5	614.1
147.5°	211.9	236.0	382.6	527.4	570.8
150°	218.6	236.2	374.0	497.0	550.8
152.5°	224.4	241.0	363.4	469.2	518.3
155°	233.0	250.5	346.5	428.7	473.1
157.5°	241.6	258.4	326.4	398.5	428.7
160°	247.3	261.3	313.0	384.0	403.8
162.5°	252.1	264.2	298.7	359.2	381.8
165°	258.1	265.1	278.4	325.5	347.7
167.5°	263.6	267.1	280.0	292.4	310.4
170°	266.4	269.9	277.2	289.3	295.1
172.5°	269.3	274.7	273.4	281.6	286.5
175°	272.4	278.2	270.0	271.3	273.6
177.5°	273.1	275.9	274.1	274.1	276.9
180°	271.2	271.2	271.2	271.2	271.2



TEST NUMBER: P1439383
 CATALOG NUMBER: CB3-B-030U-055D-940-1D-UNV-STD-W-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	16.51	17.46	17.38	18.35	19.46	15.43	16.38	16.30	17.27	18.38
	3H	18.19	19.03	19.06	19.93	21.07	16.85	17.70	17.73	18.60	19.74
	4H	18.82	19.62	19.71	20.52	21.68	17.37	18.18	18.27	19.08	20.23
	6H	19.21	19.95	20.12	20.86	22.02	17.70	18.44	18.60	19.34	20.51
	8H	19.35	20.05	20.26	20.98	22.14	17.82	18.53	18.74	19.45	20.62
	12H	19.42	20.09	20.34	21.01	22.20	17.90	18.57	18.82	19.49	20.68
4H	2H	16.93	17.73	17.83	18.63	19.79	16.07	16.87	16.97	17.78	18.93
	3H	18.83	19.50	19.74	20.43	21.60	17.70	18.37	18.61	19.30	20.47
	4H	19.58	20.19	20.50	21.12	22.31	18.31	18.92	19.23	19.85	21.04
	6H	20.09	20.61	21.02	21.57	22.76	18.73	19.25	19.66	20.20	21.40
	8H	20.28	20.77	21.22	21.72	22.93	18.90	19.39	19.84	20.33	21.54
	12H	20.38	20.82	21.34	21.79	23.00	19.01	19.45	19.96	20.41	21.63
8H	4H	19.72	20.21	20.65	21.15	22.36	18.58	19.07	19.51	20.01	21.22
	6H	20.34	20.74	21.30	21.73	22.94	19.11	19.51	20.07	20.50	21.71
	8H	20.62	20.97	21.59	21.95	23.18	19.36	19.72	20.34	20.70	21.92
	12H	20.78	21.10	21.76	22.07	23.34	19.54	19.86	20.52	20.83	22.10
12H	4H	19.69	20.14	20.65	21.10	22.31	18.58	19.03	19.54	19.99	21.20
	6H	20.36	20.72	21.33	21.69	22.92	19.17	19.53	20.14	20.50	21.73
	8H	20.66	20.98	21.64	21.95	23.22	19.45	19.77	20.43	20.74	22.01