

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: P1439118

Luminaire Tested: CB3-030U-030D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439118  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-030U-030D-940-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

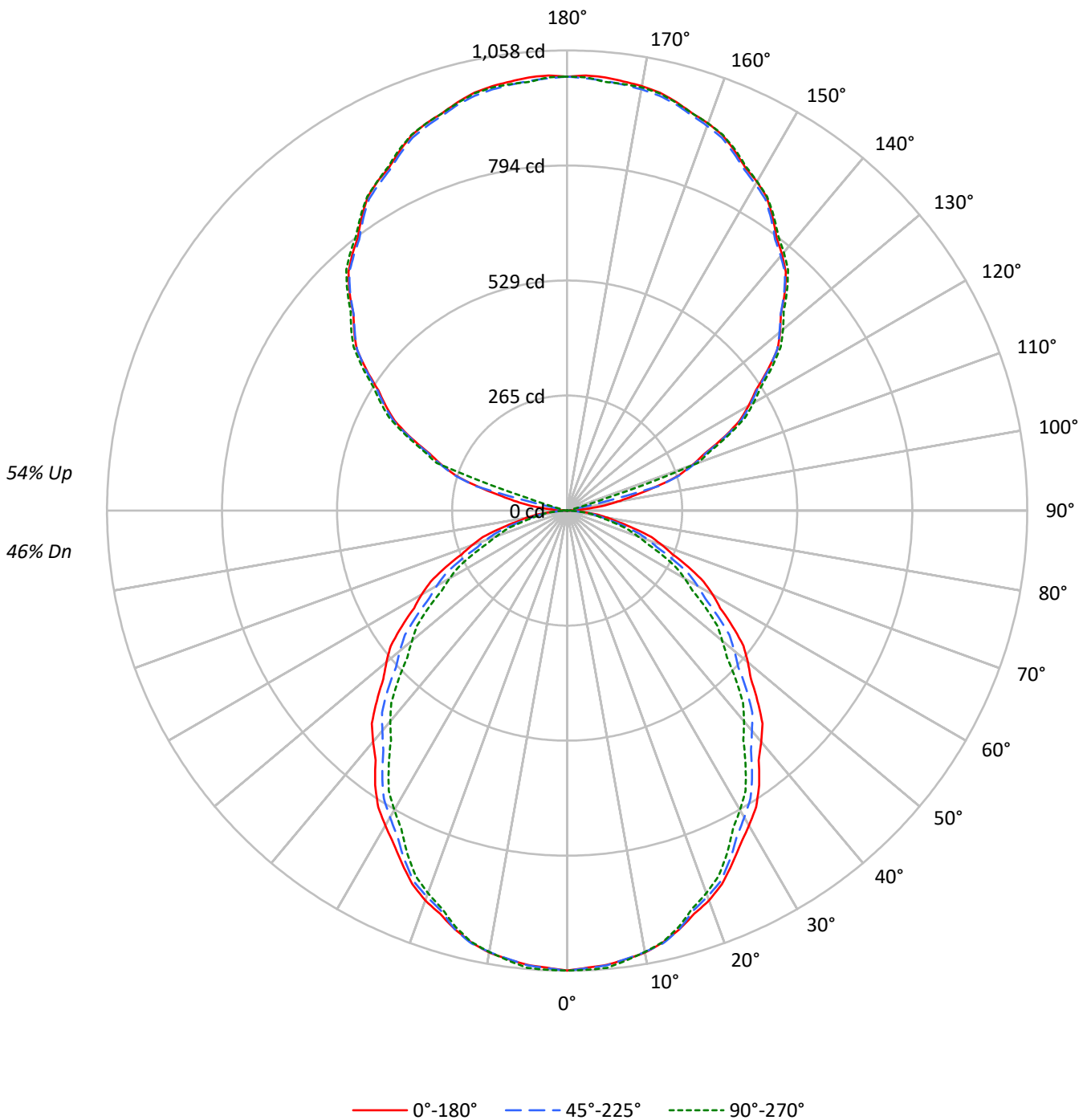
Lumens per Lamp: N/A  
Luminaire Lumens: 5476.3 lumens  
Efficiency: N/A  
Efficacy: 158.3 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 34.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P1439118

CATALOG NUMBER: CB3-030U-030D-940-1D-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	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	106	106	106	106	98	98	98	98	81	81	81	66	66	66	53	53	53	46				
1	97	93	89	86	89	85	82	79	71	69	67	59	57	56	47	46	45	39				
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	41	40	38	33				
3	81	72	64	59	74	66	60	55	56	51	47	46	42	40	37	34	32	28				
4	74	63	56	50	68	59	52	46	49	44	40	41	37	34	33	30	28	24				
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	25	21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19				
7	58	46	38	32	53	43	36	31	36	31	27	30	26	23	25	22	19	17				
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	26	21	19	21	18	16	14				
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	20	17	14	12				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	5983	5983	5983
5°	5954	5959	5993
10°	5928	5920	5920
15°	5838	5838	5802
20°	5743	5684	5634
25°	5598	5527	5429
30°	5461	5319	5191
35°	5317	5120	4938
40°	5125	4882	4670
45°	4952	4669	4380
50°	4773	4416	4099
55°	4578	4171	3830
60°	4369	3918	3527
65°	4122	3629	3207
70°	3839	3292	2857
75°	3480	2890	2544
80°	3033	2424	2251
85°	2343	2045	2045

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4952 cd/sqm



TEST NUMBER: P1439118

CATALOG NUMBER: CB3-030U-030D-940-1D-UNV-STD-W-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.8	1.8
10°-20°	280.3	5.1
20°-30°	407.3	7.4
30°-40°	463.0	8.5
40°-50°	449.5	8.2
50°-60°	379.5	6.9
60°-70°	270.0	4.9
70°-80°	144.3	2.6
80°-90°	38.1	0.7
90°-100°	23.0	0.4
100°-110°	166.9	3.0
110°-120°	396.7	7.2
120°-130°	506.8	9.3
130°-140°	546.7	10.0
140°-150°	515.3	9.4
150°-160°	420.4	7.7
160°-170°	273.9	5.0
170°-180°	94.7	1.7
0°-30°	787.4	14.4
0°-40°	1250.4	22.8
0°-60°	2079.5	38.0
0°-90°	2531.9	46.2
90°-120°	586.6	10.7
90°-150°	2155.4	39.4
90°-180°	2944.0	53.8
0°-180°	5476.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1058	1058	1058	1058	1058	
5°	1048	1062	1049	1048	1055	100
15°	997	1006	997	991	991	281
25°	897	900	886	873	870	413
35°	770	762	741	719	715	480
45°	619	609	584	556	548	477
55°	464	452	423	396	388	415
65°	308	297	271	247	240	305
75°	159	150	132	119	116	170
85°	36	33	32	32	32	43
90°	0	0	0	1	0	3
95°	42	8	10	10	10	52
105°	211	214	217	16	16	223
115°	396	399	400	406	408	391
125°	563	567	565	572	575	503
135°	708	711	705	711	715	545
145°	823	828	818	823	828	515
155°	912	919	907	909	915	421
165°	972	977	967	964	971	274
175°	1000	1005	992	986	989	95
180°	998	998	998	998	998	

TEST NUMBER: P1439118

CATALOG NUMBER: CB3-030U-030D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1057.5	1057.5	1057.5	1057.5	1057.5
2.5°	1052.1	1062.7	1053.3	1054.6	1056.9
5°	1048.5	1061.7	1049.3	1047.9	1055.3
7.5°	1040.4	1052.4	1039.5	1036.5	1043.1
10°	1032.0	1045.2	1030.5	1026.8	1030.5
12.5°	1017.0	1030.8	1019.1	1013.0	1016.1
15°	996.7	1005.5	996.7	990.7	990.7
17.5°	971.9	981.2	964.5	960.3	958.7
20°	953.9	962.0	944.1	938.1	935.9
22.5°	929.8	937.3	922.5	912.2	909.4
25°	896.8	899.7	885.5	873.4	869.8
27.5°	863.6	864.3	844.8	830.1	825.3
30°	836.0	836.7	814.2	798.3	794.6
32.5°	808.3	806.1	784.7	765.9	763.4
35°	769.9	762.5	741.3	719.4	715.0
37.5°	723.4	719.0	694.0	672.1	665.5
40°	694.0	686.7	661.0	639.0	632.4
42.5°	664.6	656.0	629.7	605.4	598.2
45°	618.9	609.3	583.6	555.6	547.5
47.5°	572.9	562.5	534.2	507.1	498.1
50°	542.3	531.3	501.7	475.2	465.7
52.5°	511.0	499.4	469.9	442.8	435.0
55°	464.2	451.7	422.9	395.7	388.3
57.5°	417.3	405.0	376.3	350.6	341.7
60°	386.1	374.3	346.3	320.5	311.7
62.5°	354.2	343.0	315.6	290.5	282.3
65°	307.9	296.9	271.1	246.9	239.6
67.5°	262.1	252.7	227.3	205.1	199.2
70°	232.1	223.3	199.0	178.6	172.7
72.5°	203.2	193.8	170.8	153.4	149.3
75°	159.2	150.4	132.2	118.6	116.4
77.5°	119.0	111.8	96.0	88.3	87.1
80°	93.1	86.5	74.4	69.1	69.1
82.5°	69.1	63.7	55.7	53.5	53.5
85°	36.1	33.1	31.5	31.5	31.5
87.5°	10.8	10.8	10.2	9.8	9.6
90°	0.0	0.0	0.0	0.7	0.0
92.5°	11.4	4.4	3.6	4.4	4.2
95°	42.1	7.6	9.8	10.5	10.5
97.5°	84.8	83.2	11.4	13.7	13.8
100°	117.3	121.0	12.0	14.3	15.0
102.5°	153.4	156.5	22.3	14.9	15.6
105°	211.3	214.2	217.3	15.8	16.5
107.5°	268.9	271.1	273.1	245.8	92.0
110°	306.8	309.0	309.8	317.3	318.8

TEST NUMBER: P1439118

CATALOG NUMBER: CB3-030U-030D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	342.2	345.0	346.4	352.8	355.5
115°	396.2	399.2	400.0	406.0	408.2
117.5°	447.5	450.6	452.0	456.9	460.4
120°	481.2	484.9	485.7	491.8	494.7
122.5°	514.3	518.5	518.2	523.7	527.8
125°	563.1	566.8	565.4	571.5	575.2
127.5°	609.6	611.8	608.7	616.1	619.2
130°	639.1	641.3	637.6	644.4	648.1
132.5°	666.1	669.5	665.2	671.5	675.2
135°	707.5	711.2	705.2	710.6	715.0
137.5°	744.3	748.7	741.6	747.9	751.7
140°	768.4	772.8	763.9	770.7	775.1
142.5°	790.6	796.2	785.5	791.8	796.8
145°	823.3	828.4	818.0	823.4	827.8
147.5°	854.2	858.6	848.7	852.5	855.6
150°	872.9	877.3	866.1	870.0	873.6
152.5°	887.9	894.1	883.0	885.6	891.1
155°	912.0	919.3	906.7	909.1	915.0
157.5°	934.1	940.7	928.1	930.1	935.3
160°	947.3	953.9	941.3	942.2	947.3
162.5°	957.5	963.6	952.7	951.2	957.5
165°	972.1	977.3	966.9	964.0	970.6
167.5°	984.3	990.2	977.4	975.0	982.5
170°	990.9	996.8	983.4	979.8	987.9
172.5°	995.1	1000.4	987.6	982.8	989.1
175°	999.9	1005.1	991.7	986.5	989.4
177.5°	1001.3	1005.4	994.7	990.0	997.1
180°	997.7	997.7	997.7	997.7	997.7



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**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	13.00	13.82	14.00	14.82	16.15	11.93	12.75	12.92	13.75	15.07
	3H	14.67	15.40	15.67	16.41	17.76	13.34	14.07	14.34	15.08	16.43
	4H	15.30	15.99	16.31	17.00	18.36	13.85	14.55	14.87	15.56	16.91
	6H	15.68	16.32	16.70	17.34	18.70	14.17	14.81	15.19	15.82	17.19
	8H	15.82	16.42	16.85	17.46	18.82	14.29	14.90	15.32	15.93	17.29
	12H	15.88	16.46	16.92	17.49	18.87	14.36	14.94	15.40	15.97	17.36
4H	2H	13.41	14.10	14.43	15.12	16.47	12.55	13.24	13.57	14.26	15.61
	3H	15.29	15.87	16.32	16.91	18.28	14.16	14.74	15.19	15.78	17.15
	4H	16.04	16.57	17.08	17.60	18.99	14.77	15.30	15.81	16.33	17.72
	6H	16.54	16.99	17.59	18.05	19.44	15.18	15.63	16.23	16.69	18.08
	8H	16.73	17.15	17.78	18.20	19.61	15.35	15.77	16.40	16.82	18.22
	12H	16.83	17.21	17.89	18.27	19.68	15.45	15.83	16.52	16.90	18.31
8H	4H	16.17	16.59	17.21	17.64	19.04	15.03	15.45	16.07	16.50	17.90
	6H	16.78	17.13	17.85	18.23	19.62	15.55	15.90	16.62	17.00	18.39
	8H	17.06	17.37	18.14	18.44	19.86	15.81	16.11	16.88	17.19	18.61
	12H	17.22	17.49	18.30	18.56	20.02	15.98	16.25	17.06	17.32	18.78
12H	4H	16.14	16.52	17.20	17.59	18.99	15.03	15.41	16.09	16.48	17.88
	6H	16.80	17.11	17.88	18.18	19.60	15.61	15.92	16.69	16.99	18.41
	8H	17.10	17.37	18.18	18.44	19.90	15.89	16.16	16.97	17.23	18.69