

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: P1439113

Luminaire Tested: CB3-030U-030D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439113  
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-930-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

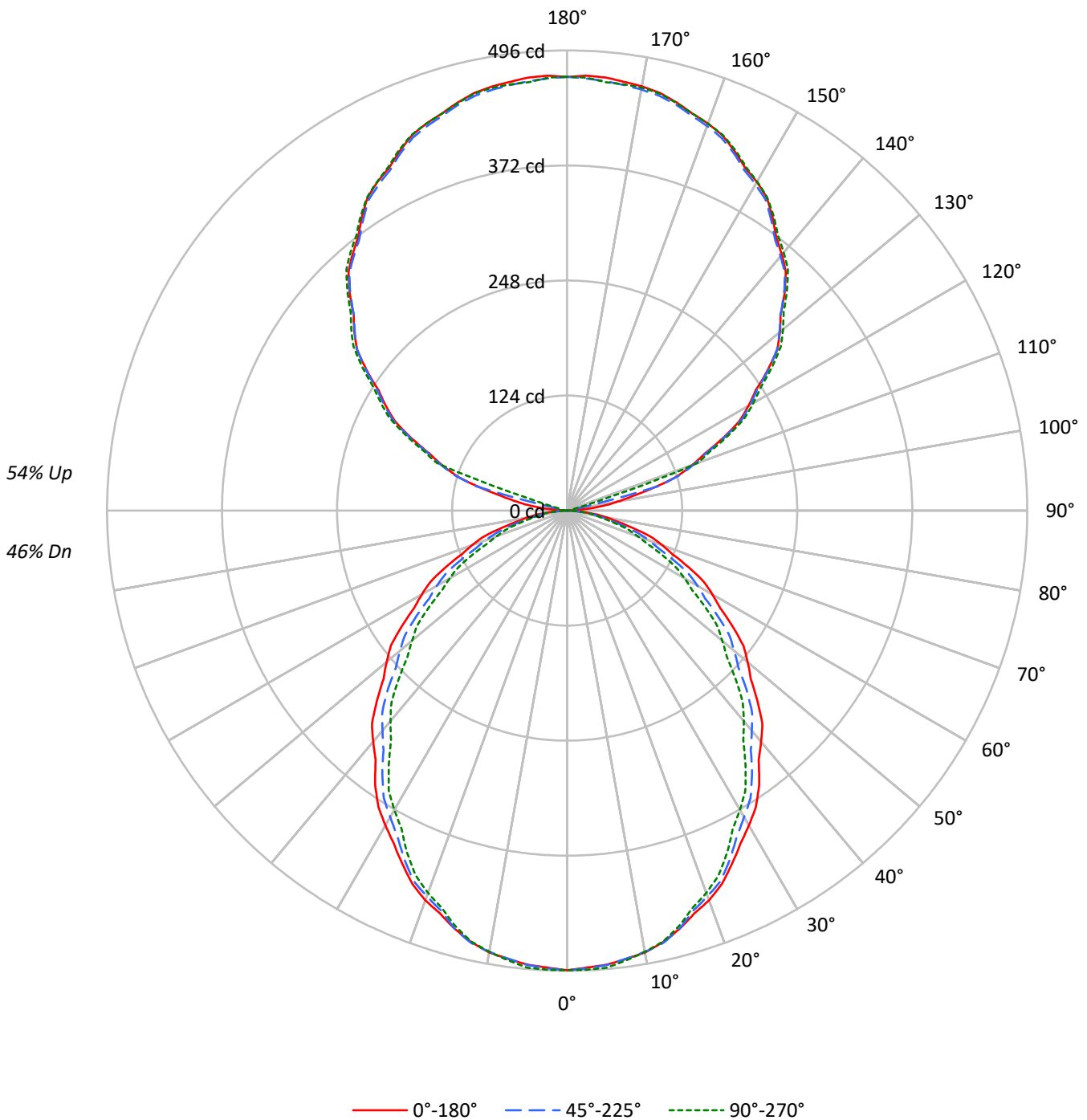
Lumens per Lamp: N/A  
Luminaire Lumens: 2566.1 lumens  
Efficiency: N/A  
Efficacy: 153.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 16.7  
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	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°	5606	5606	5606
5°	5580	5585	5616
10°	5556	5548	5548
15°	5470	5470	5438
20°	5382	5327	5280
25°	5246	5180	5089
30°	5118	4984	4865
35°	4982	4798	4629
40°	4803	4574	4376
45°	4640	4376	4106
50°	4473	4138	3841
55°	4290	3908	3590
60°	4094	3670	3306
65°	3863	3403	3007
70°	3599	3087	2676
75°	3261	2706	2387
80°	2841	2267	2111
85°	2194	1921	1921

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4640 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.8	1.8
10°-20°	131.4	5.1
20°-30°	190.8	7.4
30°-40°	217.0	8.5
40°-50°	210.6	8.2
50°-60°	177.8	6.9
60°-70°	126.5	4.9
70°-80°	67.6	2.6
80°-90°	17.9	0.7
90°-100°	10.8	0.4
100°-110°	78.2	3.0
110°-120°	185.9	7.2
120°-130°	237.5	9.3
130°-140°	256.2	10.0
140°-150°	241.5	9.4
150°-160°	197.0	7.7
160°-170°	128.4	5.0
170°-180°	44.4	1.7
0°-30°	369.0	14.4
0°-40°	585.9	22.8
0°-60°	974.4	38.0
0°-90°	1186.4	46.2
90°-120°	274.9	10.7
90°-150°	1010.0	39.4
90°-180°	1380.0	53.8
0°-180°	2566.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	496	496	496	496	496	
5°	491	498	492	491	494	47
15°	467	471	467	464	464	132
25°	420	422	415	409	408	194
35°	361	357	347	337	335	225
45°	290	286	274	260	257	224
55°	218	212	198	185	182	194
65°	144	139	127	116	112	143
75°	75	70	62	56	55	80
85°	17	16	15	15	15	20
90°	0	0	0	0	0	1
95°	20	4	5	5	5	24
105°	99	100	102	7	8	104
115°	186	187	187	190	191	183
125°	264	266	265	268	270	235
135°	332	333	330	333	335	255
145°	386	388	383	386	388	241
155°	427	431	425	426	429	197
165°	456	458	453	452	455	129
175°	469	471	465	462	464	45
180°	468	468	468	468	468	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	495.5	495.5	495.5	495.5	495.5
2.5°	493.0	498.0	493.6	494.2	495.3
5°	491.3	497.5	491.7	491.0	494.5
7.5°	487.5	493.2	487.1	485.7	488.8
10°	483.6	489.8	482.9	481.2	482.9
12.5°	476.5	483.0	477.5	474.7	476.1
15°	467.0	471.2	467.0	464.2	464.2
17.5°	455.4	459.8	452.0	450.0	449.2
20°	447.0	450.8	442.4	439.6	438.5
22.5°	435.7	439.2	432.3	427.4	426.1
25°	420.2	421.6	414.9	409.3	407.6
27.5°	404.7	405.0	395.9	389.0	386.7
30°	391.7	392.1	381.5	374.1	372.4
32.5°	378.8	377.7	367.7	358.9	357.7
35°	360.7	357.3	347.4	337.1	335.1
37.5°	339.0	336.9	325.2	314.9	311.8
40°	325.2	321.8	309.7	299.4	296.3
42.5°	311.4	307.4	295.1	283.7	280.3
45°	290.0	285.5	273.5	260.4	256.6
47.5°	268.5	263.6	250.3	237.6	233.4
50°	254.1	248.9	235.1	222.7	218.2
52.5°	239.5	234.0	220.2	207.5	203.8
55°	217.5	211.7	198.1	185.4	182.0
57.5°	195.5	189.8	176.3	164.3	160.1
60°	180.9	175.4	162.2	150.2	146.1
62.5°	166.0	160.7	147.9	136.1	132.3
65°	144.3	139.1	127.1	115.7	112.3
67.5°	122.8	118.4	106.5	96.1	93.3
70°	108.8	104.6	93.3	83.7	80.9
72.5°	95.2	90.8	80.0	71.9	70.0
75°	74.6	70.5	61.9	55.6	54.6
77.5°	55.7	52.4	45.0	41.4	40.8
80°	43.6	40.5	34.8	32.4	32.4
82.5°	32.4	29.8	26.1	25.1	25.1
85°	16.9	15.5	14.8	14.8	14.8
87.5°	5.1	5.1	4.8	4.6	4.5
90°	0.0	0.0	0.0	0.3	0.0
92.5°	5.4	2.0	1.7	2.0	2.0
95°	19.7	3.5	4.6	4.9	4.9
97.5°	39.7	39.0	5.4	6.4	6.5
100°	55.0	56.7	5.6	6.7	7.0
102.5°	71.9	73.3	10.4	7.0	7.3
105°	99.0	100.4	101.8	7.4	7.8
107.5°	126.0	127.0	128.0	115.2	43.1
110°	143.7	144.8	145.1	148.7	149.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	160.4	161.7	162.3	165.3	166.6
115°	185.7	187.0	187.4	190.3	191.3
117.5°	209.7	211.1	211.8	214.1	215.7
120°	225.5	227.2	227.6	230.4	231.8
122.5°	241.0	243.0	242.8	245.4	247.3
125°	263.9	265.6	264.9	267.8	269.5
127.5°	285.6	286.7	285.2	288.7	290.2
130°	299.5	300.5	298.8	302.0	303.7
132.5°	312.1	313.7	311.7	314.6	316.4
135°	331.5	333.2	330.5	333.0	335.0
137.5°	348.8	350.8	347.5	350.4	352.2
140°	360.1	362.1	357.9	361.2	363.2
142.5°	370.5	373.1	368.1	371.0	373.4
145°	385.8	388.2	383.3	385.8	387.9
147.5°	400.3	402.4	397.7	399.5	400.9
150°	409.0	411.1	405.9	407.7	409.4
152.5°	416.1	419.0	413.7	415.0	417.5
155°	427.3	430.8	424.9	426.0	428.8
157.5°	437.7	440.8	434.9	435.9	438.3
160°	443.9	447.0	441.1	441.5	443.9
162.5°	448.7	451.5	446.4	445.7	448.7
165°	455.5	457.9	453.1	451.7	454.8
167.5°	461.2	464.0	458.0	456.9	460.4
170°	464.3	467.1	460.8	459.1	462.9
172.5°	466.3	468.8	462.8	460.5	463.5
175°	468.6	471.0	464.7	462.3	463.6
177.5°	469.2	471.1	466.1	463.9	467.2
180°	467.5	467.5	467.5	467.5	467.5



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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	12.78	13.60	13.77	14.60	15.92	11.70	12.52	12.69	13.52	14.85
	3H	14.44	15.18	15.44	16.19	17.53	13.11	13.84	14.11	14.85	16.20
	4H	15.07	15.76	16.09	16.78	18.13	13.63	14.32	14.64	15.33	16.69
	6H	15.45	16.09	16.48	17.11	18.48	13.94	14.58	14.97	15.60	16.97
	8H	15.59	16.20	16.62	17.23	18.59	14.06	14.67	15.10	15.71	17.07
	12H	15.66	16.23	16.69	17.26	18.65	14.14	14.72	15.17	15.75	17.13
4H	2H	13.18	13.88	14.20	14.89	16.24	12.32	13.02	13.35	14.03	15.39
	3H	15.07	15.65	16.10	16.69	18.06	13.94	14.52	14.97	15.56	16.93
	4H	15.81	16.34	16.85	17.38	18.77	14.54	15.07	15.58	16.11	17.50
	6H	16.31	16.77	17.36	17.83	19.21	14.95	15.41	16.00	16.47	17.85
	8H	16.50	16.93	17.55	17.98	19.38	15.12	15.55	16.17	16.60	18.00
	12H	16.60	16.98	17.67	18.05	19.45	15.23	15.61	16.29	16.68	18.08
8H	4H	15.94	16.37	16.99	17.42	18.82	14.80	15.23	15.85	16.28	17.68
	6H	16.56	16.91	17.63	18.00	19.40	15.33	15.68	16.40	16.77	18.17
	8H	16.83	17.14	17.91	18.22	19.63	15.58	15.89	16.66	16.97	18.38
	12H	16.99	17.27	18.08	18.34	19.80	15.76	16.03	16.84	17.10	18.56
12H	4H	15.91	16.30	16.98	17.36	18.77	14.80	15.19	15.87	16.25	17.66
	6H	16.57	16.88	17.65	17.96	19.38	15.39	15.69	16.46	16.77	18.19
	8H	16.87	17.14	17.95	18.21	19.67	15.67	15.94	16.75	17.01	18.47