

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: P1439109

Luminaire Tested: CB3-030U-030D-840-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439109  
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-840-1D-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: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

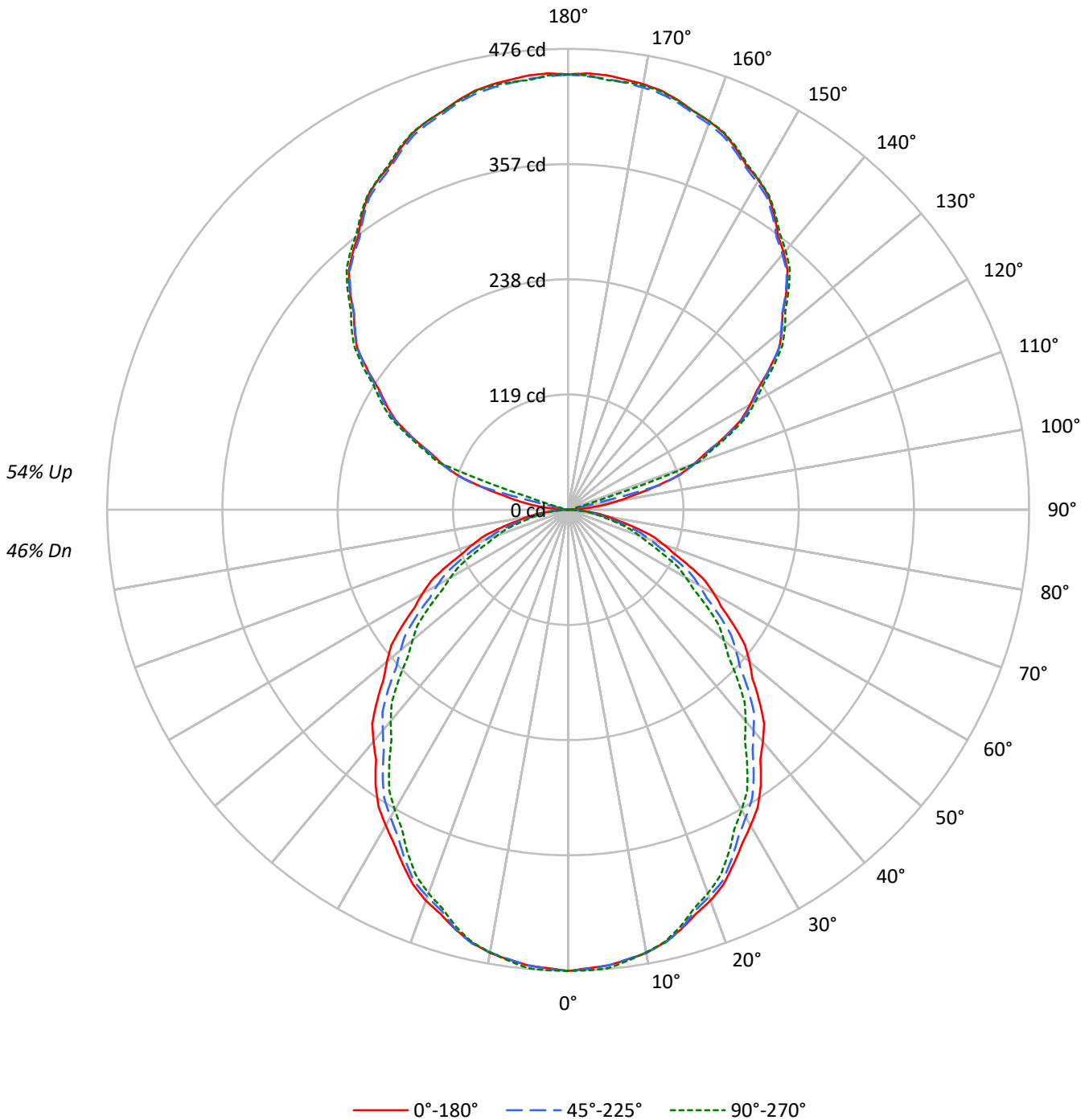
Lumens per Lamp: N/A  
Luminaire Lumens: 2467.1 lumens  
Efficiency: N/A  
Efficacy: 147.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 16.7  
Input Voltage (V): 120  
Input Current (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: P1439109

CATALOG NUMBER: CB3-030U-030D-840-1D-UNV-STD-W-4

### 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	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°	5390	5390	5390
5°	5365	5369	5399
10°	5341	5333	5333
15°	5259	5259	5228
20°	5174	5121	5076
25°	5044	4980	4891
30°	4920	4792	4677
35°	4790	4613	4449
40°	4619	4399	4208
45°	4461	4207	3948
50°	4300	3978	3693
55°	4125	3758	3450
60°	3935	3530	3177
65°	3713	3272	2889
70°	3460	2967	2574
75°	3134	2605	2291
80°	2737	2183	2026
85°	2103	1843	1843

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4461 cd/sqm



TEST NUMBER: P1439109

CATALOG NUMBER: CB3-030U-030D-840-1D-UNV-STD-W-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.0	1.8
10°-20°	126.3	5.1
20°-30°	183.5	7.4
30°-40°	208.6	8.5
40°-50°	202.5	8.2
50°-60°	171.0	6.9
60°-70°	121.7	4.9
70°-80°	65.0	2.6
80°-90°	17.2	0.7
90°-100°	10.4	0.4
100°-110°	75.2	3.0
110°-120°	178.7	7.2
120°-130°	228.3	9.3
130°-140°	246.3	10.0
140°-150°	232.2	9.4
150°-160°	189.4	7.7
160°-170°	123.4	5.0
170°-180°	42.7	1.7
0°-30°	354.7	14.4
0°-40°	563.3	22.8
0°-60°	936.8	38.0
0°-90°	1140.6	46.2
90°-120°	264.2	10.7
90°-150°	971.0	39.4
90°-180°	1326.0	53.7
0°-180°	2467.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	476	476	476	476	476	
5°	472	478	473	472	475	45
15°	449	453	449	446	446	126
25°	404	405	399	394	392	186
35°	347	344	334	324	322	216
45°	279	274	263	250	247	215
55°	209	204	190	178	175	187
65°	139	134	122	111	108	137
75°	72	68	60	53	52	76
85°	16	15	14	14	14	19
90°	0	0	0	0	0	1
95°	19	3	4	5	5	23
105°	95	96	98	7	8	100
115°	178	180	180	183	184	176
125°	254	255	255	258	259	226
135°	319	320	318	320	322	245
145°	371	373	368	371	373	232
155°	411	414	408	410	412	189
165°	438	440	436	434	437	124
175°	450	453	447	444	446	43
180°	450	450	450	450	450	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	476.4	476.4	476.4	476.4	476.4
2.5°	474.0	478.8	474.5	475.1	476.2
5°	472.4	478.3	472.7	472.1	475.4
7.5°	468.7	474.1	468.3	467.0	469.9
10°	464.9	470.9	464.2	462.6	464.2
12.5°	458.2	464.4	459.1	456.4	457.7
15°	449.0	453.0	449.0	446.3	446.3
17.5°	437.9	442.0	434.5	432.6	431.9
20°	429.7	433.4	425.3	422.6	421.6
22.5°	418.9	422.3	415.6	411.0	409.7
25°	404.0	405.3	398.9	393.5	391.8
27.5°	389.1	389.4	380.6	374.0	371.8
30°	376.6	376.9	366.8	359.7	358.0
32.5°	364.2	363.2	353.5	345.0	343.9
35°	346.8	343.5	334.0	324.1	322.1
37.5°	325.9	323.9	312.7	302.8	299.8
40°	312.7	309.3	297.8	287.9	284.9
42.5°	299.4	295.6	283.7	272.7	269.5
45°	278.8	274.5	262.9	250.3	246.7
47.5°	258.1	253.4	240.6	228.4	224.4
50°	244.3	239.3	226.0	214.1	209.8
52.5°	230.2	225.0	211.7	199.5	196.0
55°	209.1	203.5	190.5	178.2	174.9
57.5°	188.0	182.4	169.5	157.9	154.0
60°	173.9	168.6	156.0	144.4	140.4
62.5°	159.6	154.5	142.2	130.9	127.2
65°	138.7	133.8	122.2	111.2	107.9
67.5°	118.1	113.9	102.4	92.4	89.7
70°	104.6	100.6	89.7	80.5	77.8
72.5°	91.6	87.3	76.9	69.1	67.3
75°	71.7	67.8	59.6	53.4	52.4
77.5°	53.6	50.4	43.2	39.8	39.3
80°	42.0	39.0	33.5	31.1	31.1
82.5°	31.1	28.7	25.1	24.1	24.1
85°	16.2	14.9	14.2	14.2	14.2
87.5°	4.9	4.9	4.6	4.4	4.3
90°	0.0	0.0	0.0	0.3	0.0
92.5°	5.1	2.0	1.6	2.0	1.9
95°	19.0	3.4	4.4	4.7	4.7
97.5°	38.2	37.5	5.1	6.2	6.2
100°	52.8	54.5	5.4	6.4	6.8
102.5°	69.1	70.5	10.0	6.7	7.0
105°	95.2	96.5	97.9	7.1	7.5
107.5°	121.1	122.1	123.0	110.7	41.5
110°	138.2	139.2	139.5	143.0	143.6



TEST NUMBER: P1439109

CATALOG NUMBER: CB3-030U-030D-840-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	154.2	155.4	156.1	158.9	160.1
115°	178.5	179.8	180.2	182.9	183.9
117.5°	201.6	203.0	203.6	205.8	207.4
120°	216.8	218.4	218.8	221.5	222.9
122.5°	231.7	233.6	233.4	235.9	237.8
125°	253.7	255.3	254.7	257.5	259.1
127.5°	274.6	275.6	274.2	277.6	279.0
130°	287.9	288.9	287.2	290.3	292.0
132.5°	300.1	301.6	299.7	302.5	304.2
135°	318.7	320.4	317.7	320.1	322.1
137.5°	335.3	337.3	334.1	336.9	338.6
140°	346.2	348.1	344.1	347.2	349.2
142.5°	356.2	358.7	353.9	356.7	359.0
145°	370.9	373.2	368.5	370.9	372.9
147.5°	384.8	386.8	382.3	384.1	385.5
150°	393.2	395.2	390.2	391.9	393.6
152.5°	400.0	402.8	397.8	399.0	401.4
155°	410.9	414.2	408.5	409.6	412.2
157.5°	420.8	423.8	418.1	419.0	421.4
160°	426.8	429.8	424.1	424.5	426.8
162.5°	431.4	434.1	429.2	428.5	431.4
165°	438.0	440.3	435.6	434.3	437.3
167.5°	443.4	446.1	440.3	439.2	442.6
170°	446.4	449.1	443.0	441.4	445.1
172.5°	448.3	450.7	444.9	442.8	445.6
175°	450.5	452.8	446.8	444.4	445.7
177.5°	451.1	452.9	448.1	446.0	449.2
180°	449.5	449.5	449.5	449.5	449.5



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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	12.64	13.46	13.63	14.46	15.79	11.56	12.38	12.55	13.38	14.71
	3H	14.31	15.04	15.31	16.05	17.40	12.97	13.71	13.98	14.72	16.06
	4H	14.93	15.63	15.95	16.64	18.00	13.49	14.18	14.50	15.20	16.55
	6H	15.32	15.96	16.34	16.97	18.34	13.80	14.44	14.83	15.46	16.83
	8H	15.45	16.06	16.48	17.10	18.46	13.93	14.53	14.96	15.57	16.93
	12H	15.52	16.10	16.55	17.13	18.51	14.00	14.58	15.04	15.61	16.99
4H	2H	13.04	13.74	14.07	14.75	16.11	12.19	12.88	13.21	13.89	15.25
	3H	14.93	15.51	15.96	16.55	17.92	13.80	14.38	14.83	15.42	16.79
	4H	15.68	16.21	16.72	17.24	18.63	14.41	14.94	15.44	15.97	17.36
	6H	16.18	16.63	17.23	17.69	19.08	14.82	15.27	15.86	16.33	17.71
	8H	16.37	16.79	17.42	17.84	19.24	14.99	15.41	16.03	16.46	17.86
	12H	16.46	16.85	17.53	17.91	19.32	15.09	15.47	16.15	16.54	17.94
8H	4H	15.80	16.23	16.85	17.28	18.68	14.66	15.09	15.71	16.14	17.54
	6H	16.42	16.77	17.49	17.87	19.26	15.19	15.54	16.26	16.63	18.03
	8H	16.70	17.01	17.78	18.08	19.50	15.44	15.75	16.52	16.83	18.24
	12H	16.86	17.13	17.94	18.20	19.66	15.62	15.89	16.70	16.96	18.42
12H	4H	15.78	16.16	16.84	17.22	18.63	14.66	15.05	15.73	16.11	17.52
	6H	16.44	16.75	17.52	17.82	19.24	15.25	15.56	16.33	16.63	18.05
	8H	16.74	17.01	17.82	18.08	19.54	15.53	15.80	16.61	16.87	18.33