

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: P1438586

Luminaire Tested: CB2-030U-030D-830-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438586  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-030U-030D-830-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

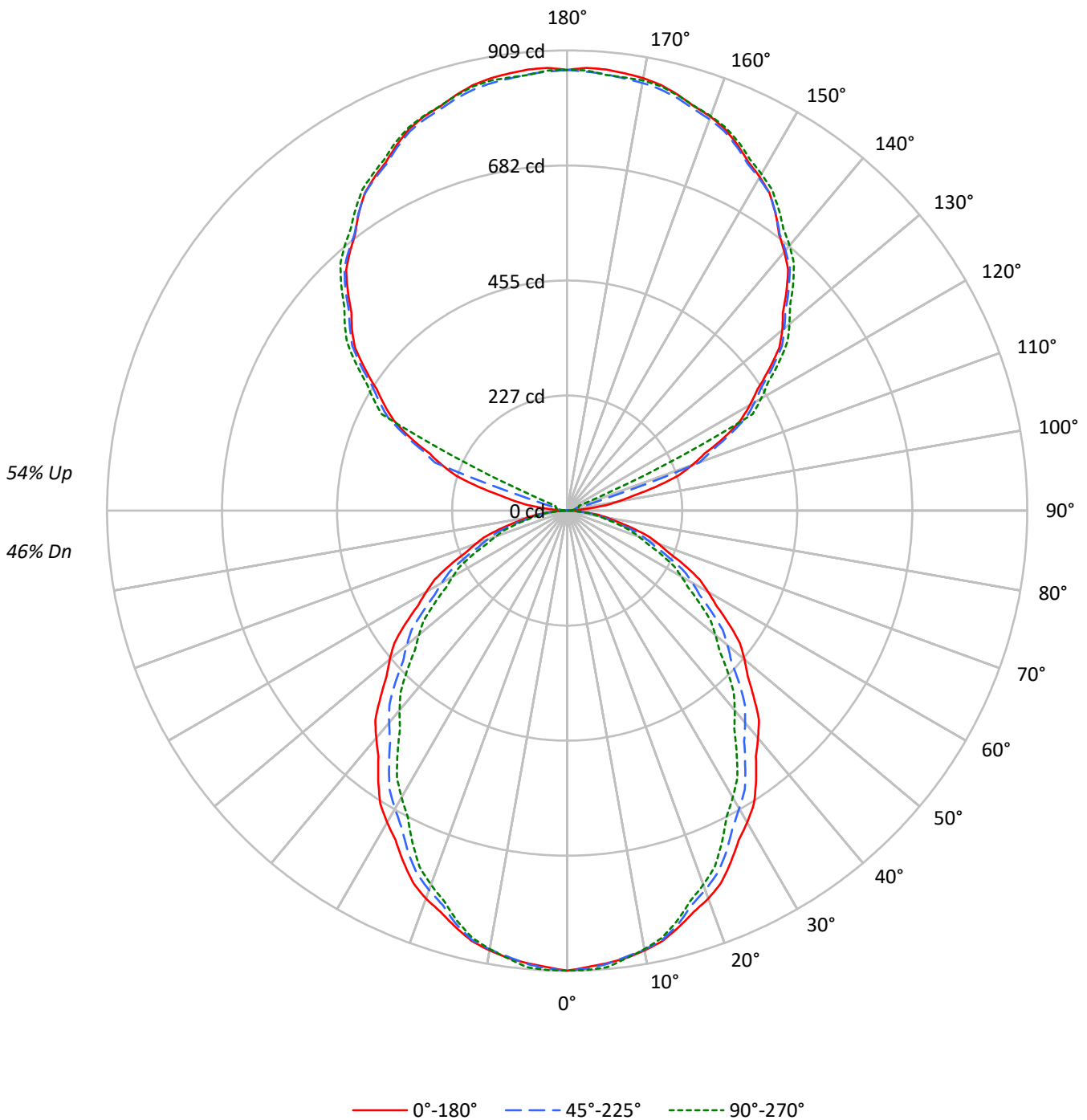
Lumens per Lamp: N/A  
Luminaire Lumens: 4600.9 lumens  
Efficiency: N/A  
Efficacy: 125.4 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 36.7  
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

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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	97	97	97	97	81	81	81	66	66	66	53	53	53	46				
1	97	93	89	86	89	85	82	79	71	69	67	59	57	55	47	46	45	39				
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	41	39	38	33				
3	81	72	64	59	74	66	60	55	55	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	33	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	33	26	22	28	23	19	24	20	17	20	17	14	12				

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

	0°	45°	90°
0°	7915	7915	7915
5°	7848	7860	7915
10°	7803	7785	7778
15°	7680	7629	7567
20°	7559	7391	7288
25°	7356	7148	6947
30°	7152	6837	6579
35°	6918	6518	6208
40°	6669	6218	5855
45°	6419	5905	5511
50°	6194	5601	5177
55°	5917	5284	4860
60°	5600	4981	4546
65°	5263	4647	4231
70°	4891	4270	3827
75°	4448	3863	3466
80°	3977	3385	3139
85°	3058	2778	2298

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6419 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.5	1.9
10°-20°	238.2	5.2
20°-30°	342.6	7.4
30°-40°	385.0	8.4
40°-50°	371.9	8.1
50°-60°	314.3	6.8
60°-70°	225.7	4.9
70°-80°	123.4	2.7
80°-90°	32.8	0.7
90°-100°	15.2	0.3
100°-110°	96.5	2.1
110°-120°	306.7	6.7
120°-130°	445.1	9.7
130°-140°	478.7	10.4
140°-150°	450.7	9.8
150°-160°	367.1	8.0
160°-170°	239.0	5.2
170°-180°	82.6	1.8
0°-30°	666.3	14.5
0°-40°	1051.3	22.8
0°-60°	1737.5	37.8
0°-90°	2119.4	46.1
90°-120°	418.4	9.1
90°-150°	1792.8	39.0
90°-180°	2482.0	53.9
0°-180°	4600.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	909	909	909	909	909	
5°	898	910	899	899	905	85
15°	852	859	846	838	839	240
25°	766	766	744	727	723	352
35°	651	643	613	589	584	406
45°	521	510	480	454	448	403
55°	390	375	348	326	320	348
65°	255	246	226	209	205	253
75°	132	124	115	106	103	141
85°	31	29	28	24	23	36
90°	0	0	0	1	1	3
95°	35	10	11	7	6	44
105°	181	188	19	22	23	191
115°	343	350	354	358	205	337
125°	487	496	496	504	511	435
135°	613	620	619	623	631	473
145°	717	723	718	719	728	448
155°	797	802	793	791	802	367
165°	850	852	843	840	848	240
175°	875	877	865	860	864	83
180°	870	870	870	870	870	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	908.9	908.9	908.9	908.9	908.9
2.5°	902.7	913.6	905.5	906.7	908.3
5°	897.7	910.0	899.1	899.2	905.4
7.5°	891.3	902.9	889.2	886.7	892.4
10°	882.4	894.0	880.3	875.5	879.6
12.5°	870.7	881.7	868.6	861.1	864.6
15°	851.8	859.3	846.2	837.9	839.3
17.5°	831.2	835.8	817.0	810.0	808.6
20°	815.6	819.7	797.5	787.7	786.4
22.5°	795.6	799.1	775.8	763.8	761.9
25°	765.5	766.2	743.9	727.1	723.0
27.5°	734.0	731.9	707.2	687.3	682.0
30°	711.2	708.5	679.9	658.9	654.2
32.5°	686.7	681.8	653.2	630.5	625.8
35°	650.7	643.2	613.1	589.3	583.9
37.5°	612.3	603.8	574.3	548.4	542.2
40°	586.6	577.1	547.0	521.1	515.0
42.5°	561.0	550.4	519.7	493.8	487.1
45°	521.2	510.3	479.5	454.3	447.5
47.5°	483.4	469.5	439.5	414.5	407.7
50°	457.2	442.2	413.4	388.9	382.1
52.5°	430.5	415.0	387.2	363.8	357.0
55°	389.7	375.4	348.0	326.2	320.1
57.5°	349.3	335.6	310.5	289.8	283.8
60°	321.5	309.9	286.0	266.4	261.0
62.5°	294.8	284.3	261.5	243.6	238.1
65°	255.4	245.9	225.5	209.4	205.3
67.5°	217.1	207.6	191.1	176.7	172.0
70°	192.1	182.5	167.7	154.4	150.3
72.5°	168.1	158.1	146.0	133.8	130.8
75°	132.2	124.1	114.8	105.7	103.0
77.5°	100.5	92.6	85.9	79.5	78.8
80°	79.3	72.5	67.5	63.3	62.6
82.5°	59.3	54.1	50.8	47.7	47.6
85°	30.6	28.6	27.8	24.3	23.0
87.5°	8.9	8.9	7.8	6.8	6.8
90°	0.0	0.0	0.0	0.6	0.6
92.5°	9.6	3.7	2.5	3.6	3.6
95°	34.6	10.0	10.7	6.9	6.3
97.5°	71.9	16.1	15.5	17.0	17.6
100°	100.1	33.0	17.0	19.5	20.1
102.5°	131.3	124.3	17.5	21.0	22.2
105°	181.2	188.0	18.9	22.1	23.3
107.5°	230.3	237.1	87.8	22.8	24.0
110°	263.0	269.8	278.1	23.3	24.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	293.8	302.0	308.4	51.9	25.5
115°	343.0	350.3	353.7	357.7	205.1
117.5°	386.4	395.5	399.2	406.3	413.2
120°	416.6	425.2	427.9	435.0	442.4
122.5°	446.3	453.9	455.6	463.7	470.6
125°	487.1	495.7	495.9	504.2	511.0
127.5°	527.9	535.2	534.9	541.1	548.6
130°	555.0	560.0	560.1	565.3	573.3
132.5°	577.7	584.6	584.7	588.9	596.9
135°	612.9	620.3	619.2	623.2	631.2
137.5°	646.0	653.2	651.2	654.5	662.8
140°	667.7	673.8	670.8	674.2	683.4
142.5°	687.8	694.0	689.5	692.3	702.0
145°	717.4	722.9	718.0	718.9	728.1
147.5°	743.7	749.1	743.2	744.0	752.6
150°	760.8	765.7	758.3	759.1	767.7
152.5°	775.9	780.3	772.4	772.2	782.3
155°	796.7	801.6	792.9	791.3	802.3
157.5°	815.6	820.1	811.4	810.2	818.8
160°	828.1	831.2	822.5	820.8	829.4
162.5°	836.7	840.3	831.5	828.8	837.5
165°	849.5	852.0	843.3	839.7	848.3
167.5°	860.6	863.5	852.2	849.0	858.2
170°	867.2	869.0	857.7	853.5	862.8
172.5°	871.2	872.5	861.2	856.5	862.8
175°	874.7	876.6	865.3	859.7	864.0
177.5°	875.3	876.3	867.8	862.9	870.3
180°	870.3	870.3	870.3	870.3	870.3



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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	13.81	14.63	14.80	15.63	16.96	12.71	13.53	13.71	14.53	15.86
	3H	15.45	16.18	16.46	17.20	18.54	14.24	14.97	15.24	15.98	17.33
	4H	16.08	16.77	17.10	17.79	19.14	14.81	15.50	15.82	16.52	17.87
	6H	16.48	17.12	17.51	18.14	19.51	15.18	15.82	16.20	16.83	18.20
	8H	16.63	17.23	17.66	18.27	19.63	15.32	15.92	16.35	16.96	18.32
	12H	16.70	17.28	17.74	18.31	19.69	15.38	15.95	16.41	16.98	18.37
4H	2H	14.22	14.91	15.24	15.92	17.28	13.34	14.03	14.36	15.05	16.41
	3H	16.08	16.66	17.11	17.70	19.07	15.07	15.65	16.10	16.69	18.06
	4H	16.83	17.35	17.86	18.39	19.78	15.74	16.27	16.78	17.31	18.70
	6H	17.34	17.80	18.39	18.85	20.24	16.22	16.67	17.26	17.73	19.12
	8H	17.55	17.97	18.59	19.02	20.42	16.41	16.83	17.45	17.88	19.28
	12H	17.65	18.03	18.72	19.10	20.51	16.49	16.87	17.56	17.94	19.35
8H	4H	16.98	17.40	18.03	18.45	19.86	16.01	16.44	17.06	17.49	18.89
	6H	17.62	17.97	18.69	19.06	20.46	16.62	16.97	17.69	18.06	19.46
	8H	17.91	18.22	18.99	19.29	20.71	16.89	17.20	17.97	18.28	19.70
	12H	18.08	18.35	19.16	19.42	20.88	17.04	17.31	18.12	18.38	19.84
12H	4H	16.96	17.34	18.02	18.40	19.81	16.02	16.40	17.08	17.46	18.87
	6H	17.65	17.95	18.73	19.03	20.45	16.68	16.99	17.76	18.06	19.48
	8H	17.96	18.23	19.04	19.30	20.76	16.98	17.25	18.07	18.33	19.79