

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: P1439112

Luminaire Tested: CB3-030U-030D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439112  
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-927-1D-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: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

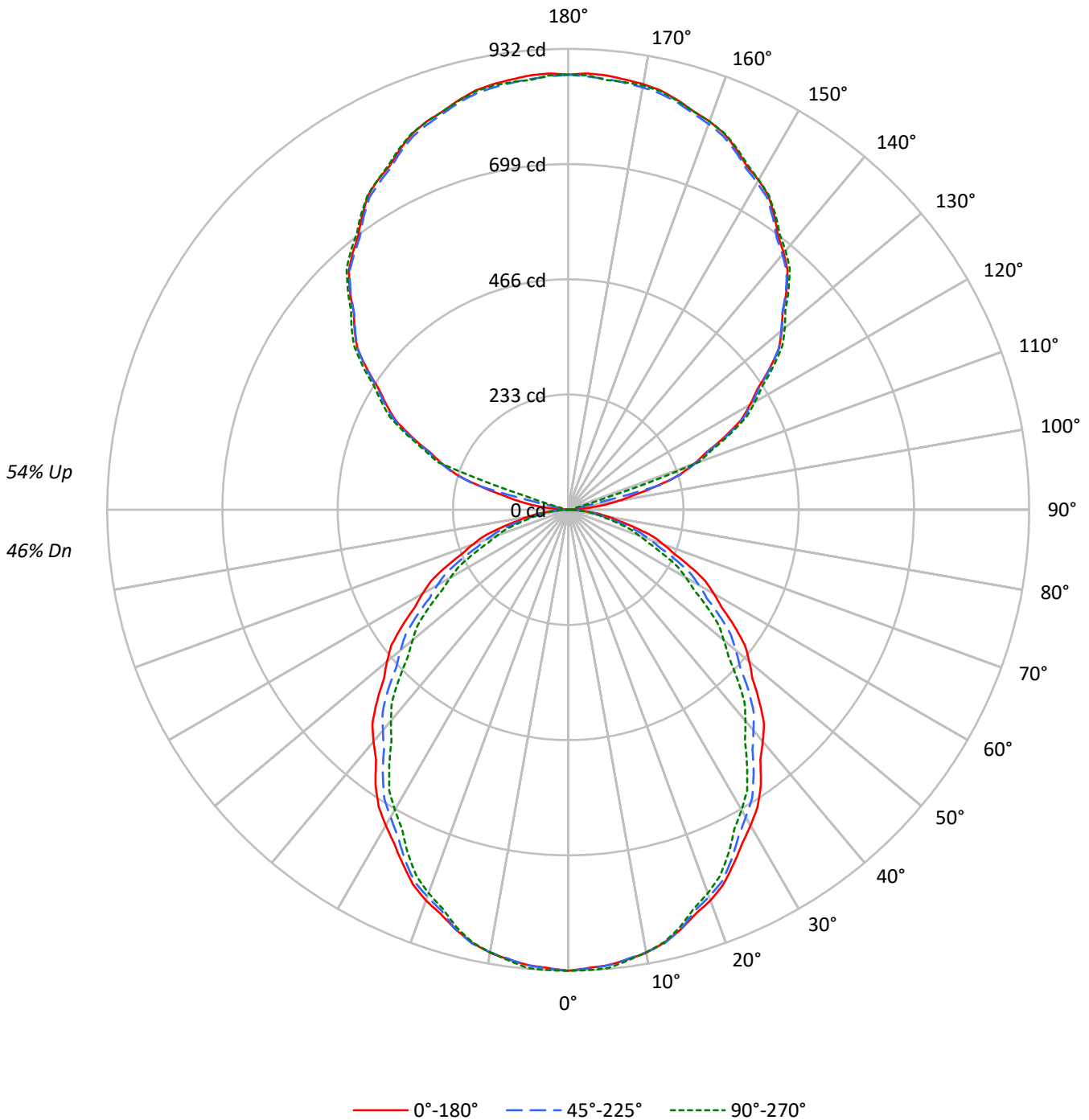
Lumens per Lamp: N/A  
Luminaire Lumens: 4829.1 lumens  
Efficiency: N/A  
Efficacy: 139.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: General Diffuse

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

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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°	5275	5275	5275
5°	5251	5255	5285
10°	5228	5220	5220
15°	5148	5148	5117
20°	5064	5012	4968
25°	4936	4874	4788
30°	4816	4690	4577
35°	4689	4515	4354
40°	4520	4304	4119
45°	4367	4117	3863
50°	4209	3894	3614
55°	4037	3678	3377
60°	3851	3454	3110
65°	3636	3201	2829
70°	3386	2903	2519
75°	3069	2549	2245
80°	2675	2137	1984
85°	2064	1805	1805

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4367 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.0	1.8
10°-20°	247.2	5.1
20°-30°	359.1	7.4
30°-40°	408.3	8.5
40°-50°	396.4	8.2
50°-60°	334.7	6.9
60°-70°	238.1	4.9
70°-80°	127.2	2.6
80°-90°	33.6	0.7
90°-100°	20.3	0.4
100°-110°	147.1	3.0
110°-120°	349.8	7.2
120°-130°	446.9	9.3
130°-140°	482.1	10.0
140°-150°	454.4	9.4
150°-160°	370.7	7.7
160°-170°	241.5	5.0
170°-180°	83.5	1.7
0°-30°	694.3	14.4
0°-40°	1102.7	22.8
0°-60°	1833.7	38.0
0°-90°	2232.6	46.2
90°-120°	517.3	10.7
90°-150°	1900.7	39.4
90°-180°	2596.0	53.8
0°-180°	4829.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	932	932	932	932	932	
5°	925	936	925	924	931	88
15°	879	887	879	874	874	248
25°	791	793	781	770	767	364
35°	679	672	654	634	630	423
45°	546	537	515	490	483	421
55°	409	398	373	349	342	366
65°	272	262	239	218	211	269
75°	140	133	117	105	103	150
85°	32	29	28	28	28	38
90°	0	0	0	1	0	3
95°	37	7	9	9	9	46
105°	186	189	192	14	15	196
115°	349	352	353	358	360	345
125°	497	500	499	504	507	443
135°	624	627	622	627	630	480
145°	726	730	721	726	730	454
155°	804	811	800	802	807	371
165°	857	862	853	850	856	242
175°	882	886	874	870	872	84
180°	880	880	880	880	880	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	932.5	932.5	932.5	932.5	932.5
2.5°	927.8	937.1	928.8	929.9	932.0
5°	924.6	936.3	925.3	924.1	930.6
7.5°	917.4	928.1	916.6	914.0	919.8
10°	910.0	921.7	908.7	905.5	908.7
12.5°	896.8	909.0	898.6	893.3	896.0
15°	878.9	886.7	878.9	873.6	873.6
17.5°	857.0	865.2	850.6	846.8	845.4
20°	841.1	848.3	832.5	827.2	825.2
22.5°	820.0	826.6	813.5	804.4	801.9
25°	790.8	793.4	780.9	770.2	767.0
27.5°	761.5	762.2	745.0	732.0	727.8
30°	737.2	737.8	718.0	704.0	700.7
32.5°	712.8	710.8	692.0	675.4	673.2
35°	678.9	672.4	653.7	634.4	630.5
37.5°	637.9	634.1	612.0	592.6	586.8
40°	612.0	605.5	582.8	563.5	557.7
42.5°	586.0	578.5	555.3	533.8	527.5
45°	545.8	537.3	514.6	490.0	482.8
47.5°	505.2	496.0	471.0	447.2	439.3
50°	478.2	468.5	442.4	419.1	410.6
52.5°	450.6	440.4	414.3	390.5	383.6
55°	409.3	398.3	372.9	348.9	342.4
57.5°	368.0	357.1	331.8	309.1	301.4
60°	340.4	330.1	305.3	282.6	274.9
62.5°	312.3	302.5	278.3	256.2	248.9
65°	271.6	261.8	239.1	217.8	211.3
67.5°	231.1	222.9	200.4	180.8	175.6
70°	204.7	196.9	175.5	157.5	152.3
72.5°	179.2	170.9	150.6	135.3	131.7
75°	140.4	132.6	116.6	104.6	102.7
77.5°	104.9	98.6	84.6	77.9	76.8
80°	82.1	76.3	65.6	60.9	60.9
82.5°	60.9	56.1	49.1	47.2	47.2
85°	31.8	29.2	27.8	27.8	27.8
87.5°	9.5	9.5	9.0	8.6	8.5
90°	0.0	0.0	0.0	0.6	0.0
92.5°	10.1	3.9	3.2	3.8	3.7
95°	37.1	6.7	8.6	9.3	9.3
97.5°	74.8	73.4	10.1	12.1	12.2
100°	103.4	106.7	10.6	12.6	13.3
102.5°	135.2	138.0	19.6	13.1	13.8
105°	186.3	188.9	191.6	13.9	14.6
107.5°	237.1	239.0	240.8	216.8	81.1
110°	270.5	272.4	273.1	279.8	281.1

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	301.8	304.3	305.5	311.1	313.5
115°	349.4	352.0	352.7	358.1	360.0
117.5°	394.6	397.3	398.6	402.9	406.0
120°	424.3	427.6	428.3	433.6	436.2
122.5°	453.5	457.2	456.9	461.8	465.4
125°	496.6	499.8	498.6	503.9	507.2
127.5°	537.5	539.5	536.8	543.3	546.0
130°	563.5	565.5	562.2	568.2	571.5
132.5°	587.4	590.4	586.6	592.1	595.4
135°	623.9	627.1	621.9	626.6	630.5
137.5°	656.4	660.2	654.0	659.5	662.8
140°	677.6	681.5	673.6	679.6	683.5
142.5°	697.2	702.1	692.7	698.2	702.6
145°	726.0	730.5	721.3	726.1	729.9
147.5°	753.3	757.2	748.4	751.8	754.5
150°	769.7	773.6	763.8	767.1	770.4
152.5°	783.0	788.4	778.6	781.0	785.8
155°	804.2	810.7	799.6	801.7	806.8
157.5°	823.7	829.5	818.4	820.2	824.8
160°	835.4	841.2	830.1	830.8	835.4
162.5°	844.4	849.7	840.1	838.8	844.4
165°	857.2	861.8	852.6	850.1	855.9
167.5°	868.0	873.2	861.9	859.8	866.4
170°	873.8	879.0	867.2	864.0	871.2
172.5°	877.5	882.2	870.9	866.6	872.2
175°	881.8	886.3	874.5	869.9	872.5
177.5°	883.0	886.6	877.1	873.0	879.2
180°	879.8	879.8	879.8	879.8	879.8



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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	12.57	13.39	13.56	14.39	15.71	11.49	12.31	12.48	13.31	14.63
	3H	14.23	14.96	15.23	15.97	17.32	12.90	13.63	13.90	14.64	15.99
	4H	14.86	15.55	15.87	16.57	17.92	13.41	14.11	14.43	15.12	16.48
	6H	15.24	15.88	16.27	16.90	18.27	13.73	14.37	14.76	15.39	16.75
	8H	15.38	15.99	16.41	17.02	18.38	13.85	14.46	14.88	15.49	16.86
	12H	15.44	16.02	16.48	17.05	18.44	13.93	14.50	14.96	15.53	16.92
4H	2H	12.97	13.66	13.99	14.68	16.03	12.11	12.81	13.13	13.82	15.17
	3H	14.86	15.43	15.89	16.48	17.84	13.73	14.30	14.76	15.35	16.71
	4H	15.60	16.13	16.64	17.17	18.56	14.33	14.86	15.37	15.89	17.28
	6H	16.10	16.56	17.15	17.62	19.00	14.74	15.20	15.79	16.25	17.64
	8H	16.29	16.72	17.34	17.77	19.17	14.91	15.34	15.96	16.39	17.79
	12H	16.39	16.77	17.45	17.84	19.24	15.01	15.40	16.08	16.46	17.87
8H	4H	15.73	16.15	16.78	17.20	18.60	14.59	15.01	15.64	16.06	17.47
	6H	16.35	16.70	17.42	17.79	19.19	15.12	15.47	16.19	16.56	17.96
	8H	16.62	16.93	17.70	18.01	19.42	15.37	15.68	16.45	16.75	18.17
	12H	16.78	17.05	17.87	18.13	19.58	15.54	15.81	16.63	16.89	18.34
12H	4H	15.70	16.08	16.77	17.15	18.55	14.59	14.97	15.66	16.04	17.44
	6H	16.36	16.67	17.44	17.75	19.16	15.17	15.48	16.25	16.56	17.98
	8H	16.66	16.93	17.74	18.00	19.46	15.45	15.72	16.54	16.80	18.25