

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: P1439167

Luminaire Tested: CB3-055U-030D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439167  
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: CB3-055U-030D-927-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

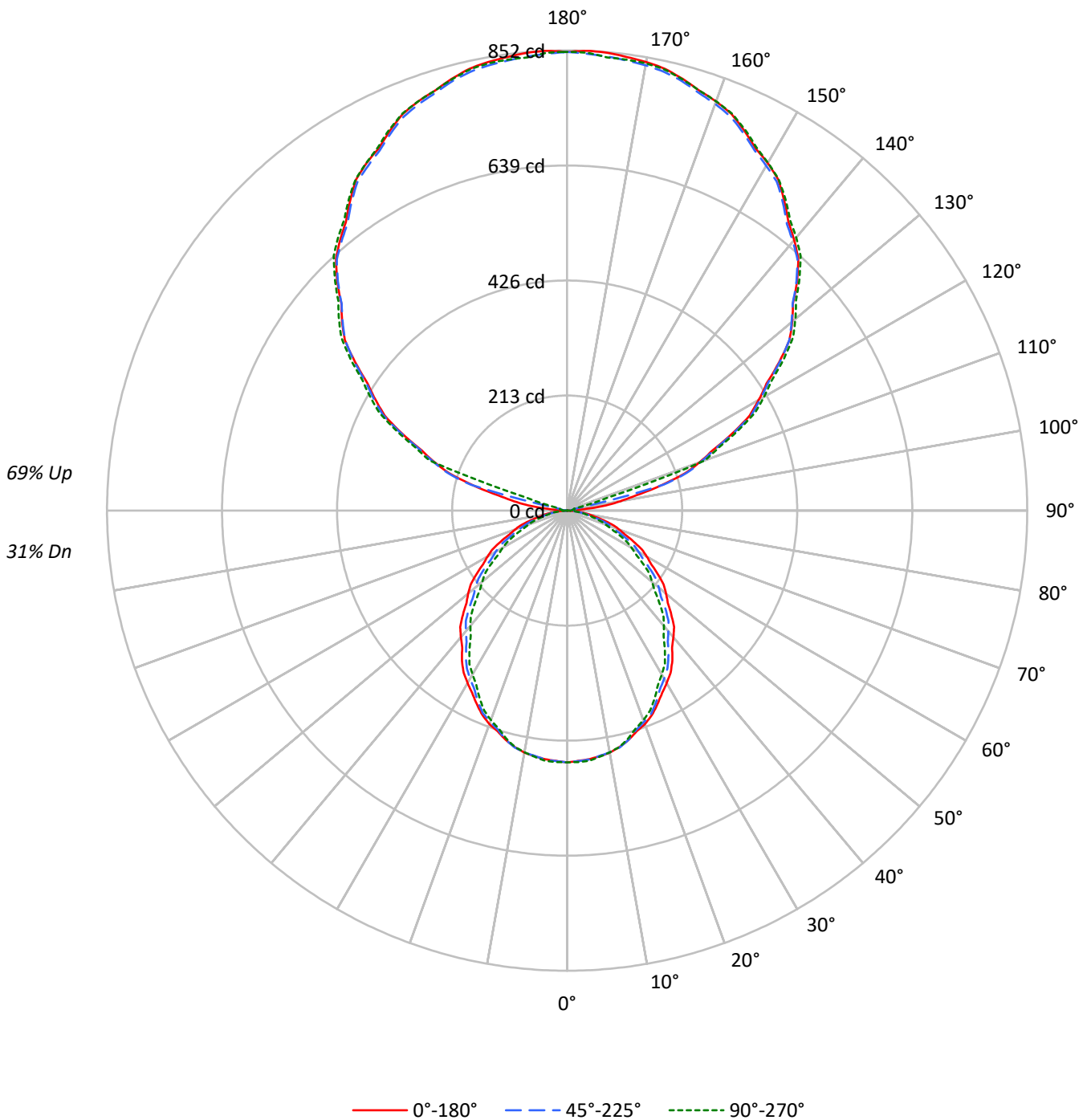
Lumens per Lamp: N/A  
Luminaire Lumens: 3622.6 lumens  
Efficiency: N/A  
Efficacy: 147.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 24.5  
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	0
RCR																		
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	48	47	46	34	33	33	26
2	85	78	72	67	76	70	66	61	56	53	50	43	40	38	30	29	28	22
3	78	69	62	56	70	62	56	51	49	45	42	38	35	33	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	36	34	30	28	24	22	20	16
5	65	54	46	41	58	49	42	37	39	34	31	30	27	24	22	20	18	14
6	60	48	41	35	54	44	37	32	35	30	27	27	24	21	20	17	16	13
7	55	44	36	31	50	40	33	28	32	27	23	25	21	19	18	16	14	11
8	51	40	32	27	46	36	29	25	29	24	21	23	19	17	16	14	13	10
9	48	36	29	24	43	33	26	22	27	22	18	21	17	15	15	13	11	9
10	45	33	26	21	40	30	24	20	24	20	17	19	16	13	14	12	10	8

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

	0°	45°	90°
0°	5276	5276	5276
5°	5251	5254	5285
10°	5228	5221	5221
15°	5147	5147	5117
20°	5064	5013	4968
25°	4936	4874	4788
30°	4816	4690	4578
35°	4688	4515	4355
40°	4520	4304	4118
45°	4367	4117	3863
50°	4209	3894	3614
55°	4038	3677	3377
60°	3851	3455	3109
65°	3636	3199	2827
70°	3384	2905	2521
75°	3069	2549	2243
80°	2678	2137	1987
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°	44.0	1.2
10°-20°	123.6	3.4
20°-30°	179.6	5.0
30°-40°	204.2	5.6
40°-50°	198.2	5.5
50°-60°	167.3	4.6
60°-70°	119.1	3.3
70°-80°	63.6	1.8
80°-90°	16.8	0.5
90°-100°	19.6	0.5
100°-110°	142.0	3.9
110°-120°	337.7	9.3
120°-130°	431.4	11.9
130°-140°	465.3	12.8
140°-150°	438.7	12.1
150°-160°	357.8	9.9
160°-170°	233.2	6.4
170°-180°	80.6	2.2
0°-30°	347.2	9.6
0°-40°	551.3	15.2
0°-60°	916.8	25.3
0°-90°	1116.4	30.8
90°-120°	499.3	13.8
90°-150°	1834.6	50.6
90°-180°	2506.0	69.2
0°-180°	3622.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	466	466	466	466	466	
5°	462	468	463	462	465	44
15°	439	443	439	437	437	124
25°	395	397	390	385	384	182
35°	339	336	327	317	315	212
45°	273	269	257	245	241	210
55°	205	199	186	174	171	183
65°	136	131	120	109	106	134
75°	70	66	58	52	51	75
85°	16	15	14	14	14	19
90°	0	0	0	1	0	2
95°	36	6	8	9	9	44
105°	180	182	185	14	14	190
115°	337	340	340	346	348	333
125°	479	482	481	486	490	428
135°	602	605	600	605	609	464
145°	701	705	696	701	705	438
155°	776	782	772	774	779	358
165°	828	832	823	820	826	234
175°	851	856	844	840	842	81
180°	849	849	849	849	849	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	466.3	466.3	466.3	466.3	466.3
2.5°	463.9	468.6	464.4	465.0	466.0
5°	462.3	468.1	462.6	462.0	465.3
7.5°	458.7	464.0	458.3	457.0	459.9
10°	455.0	460.8	454.4	452.7	454.4
12.5°	448.4	454.5	449.3	446.6	448.0
15°	439.4	443.3	439.4	436.8	436.8
17.5°	428.5	432.6	425.3	423.4	422.7
20°	420.6	424.1	416.3	413.6	412.6
22.5°	410.0	413.3	406.7	402.2	401.0
25°	395.4	396.7	390.4	385.1	383.5
27.5°	380.8	381.1	372.5	366.0	363.9
30°	368.6	368.9	359.0	352.0	350.4
32.5°	356.4	355.4	346.0	337.7	336.6
35°	339.4	336.2	326.9	317.2	315.3
37.5°	319.0	317.0	306.0	296.3	293.4
40°	306.0	302.8	291.4	281.8	278.8
42.5°	293.0	289.3	277.6	266.9	263.7
45°	272.9	268.7	257.3	245.0	241.4
47.5°	252.6	248.0	235.5	223.6	219.6
50°	239.1	234.2	221.2	209.5	205.3
52.5°	225.3	220.2	207.2	195.2	191.8
55°	204.7	199.2	186.4	174.4	171.2
57.5°	184.0	178.6	165.9	154.6	150.7
60°	170.2	165.0	152.7	141.3	137.4
62.5°	156.2	151.3	139.2	128.1	124.4
65°	135.8	130.9	119.5	108.9	105.6
67.5°	115.6	111.4	100.2	90.4	87.8
70°	102.3	98.4	87.8	78.8	76.2
72.5°	89.6	85.5	75.3	67.6	65.8
75°	70.2	66.3	58.3	52.3	51.3
77.5°	52.5	49.3	42.3	38.9	38.4
80°	41.1	38.1	32.8	30.5	30.5
82.5°	30.5	28.1	24.6	23.6	23.6
85°	15.9	14.6	13.9	13.9	13.9
87.5°	4.8	4.8	4.5	4.4	4.2
90°	0.0	0.0	0.0	0.6	0.0
92.5°	9.7	3.7	3.1	3.7	3.6
95°	35.8	6.4	8.3	9.0	9.0
97.5°	72.2	70.8	9.7	11.6	11.8
100°	99.8	103.0	10.2	12.2	12.8
102.5°	130.5	133.2	18.9	12.7	13.3
105°	179.8	182.3	184.9	13.5	14.1
107.5°	228.8	230.7	232.4	209.2	78.3
110°	261.1	263.0	263.7	270.1	271.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	291.3	293.7	294.9	300.3	302.6
115°	337.3	339.8	340.5	345.6	347.5
117.5°	380.9	383.5	384.7	388.9	391.9
120°	409.6	412.7	413.4	418.6	421.1
122.5°	437.7	441.4	441.1	445.7	449.2
125°	479.3	482.5	481.2	486.4	489.6
127.5°	518.9	520.7	518.1	524.4	527.1
130°	544.0	545.8	542.7	548.5	551.6
132.5°	567.0	569.9	566.2	571.5	574.7
135°	602.2	605.3	600.3	604.8	608.6
137.5°	633.5	637.3	631.2	636.6	639.8
140°	654.0	657.8	650.2	656.0	659.8
142.5°	673.0	677.7	668.6	674.0	678.2
145°	700.7	705.1	696.3	700.8	704.6
147.5°	727.1	730.9	722.4	725.6	728.3
150°	743.0	746.7	737.2	740.5	743.6
152.5°	755.8	761.0	751.6	753.8	758.5
155°	776.3	782.5	771.8	773.8	778.8
157.5°	795.1	800.7	790.0	791.7	796.1
160°	806.3	812.0	801.2	802.0	806.3
162.5°	815.0	820.2	810.9	809.7	815.0
165°	827.5	831.8	823.0	820.5	826.2
167.5°	837.8	842.8	831.9	829.9	836.3
170°	843.5	848.5	837.1	834.0	840.9
172.5°	847.0	851.5	840.6	836.5	841.9
175°	851.1	855.5	844.1	839.7	842.2
177.5°	852.3	855.8	846.7	842.7	848.7
180°	849.2	849.2	849.2	849.2	849.2



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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	10.82	11.53	11.93	12.63	14.15	9.74	10.45	10.85	11.55	13.07
	3H	12.48	13.11	13.59	14.22	15.76	11.14	11.78	12.26	12.89	14.43
	4H	13.10	13.70	14.22	14.81	16.35	11.65	12.25	12.78	13.37	14.91
	6H	13.48	14.03	14.61	15.14	16.70	11.96	12.52	13.10	13.63	15.19
	8H	13.61	14.13	14.75	15.26	16.81	12.08	12.61	13.22	13.74	15.29
	12H	13.67	14.17	14.81	15.29	16.86	12.15	12.65	13.29	13.77	15.35
4H	2H	11.21	11.81	12.34	12.92	14.46	10.35	10.95	11.48	12.06	13.61
	3H	13.08	13.58	14.22	14.72	16.28	11.96	12.46	13.09	13.59	15.15
	4H	13.83	14.29	14.97	15.41	16.99	12.56	13.01	13.70	14.14	15.72
	6H	14.32	14.71	15.47	15.86	17.43	12.96	13.35	14.11	14.50	16.07
	8H	14.51	14.88	15.66	16.02	17.60	13.13	13.49	14.27	14.63	16.22
	12H	14.60	14.93	15.76	16.08	17.67	13.22	13.56	14.39	14.71	16.30
8H	4H	13.94	14.31	15.09	15.45	17.04	12.80	13.17	13.95	14.31	15.90
	6H	14.56	14.86	15.73	16.04	17.62	13.33	13.63	14.50	14.81	16.39
	8H	14.83	15.10	16.01	16.26	17.86	13.58	13.84	14.75	15.01	16.61
	12H	14.99	15.22	16.17	16.38	18.02	13.75	13.98	14.93	15.14	16.77
12H	4H	13.91	14.24	15.07	15.39	16.98	12.80	13.13	13.96	14.29	15.87
	6H	14.57	14.84	15.75	16.00	17.60	13.38	13.65	14.56	14.81	16.41
	8H	14.87	15.10	16.04	16.26	17.89	13.66	13.89	14.84	15.05	16.68