

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: P1439163

Luminaire Tested: CB3-055U-030D-835-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439163  
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-835-1D-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: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

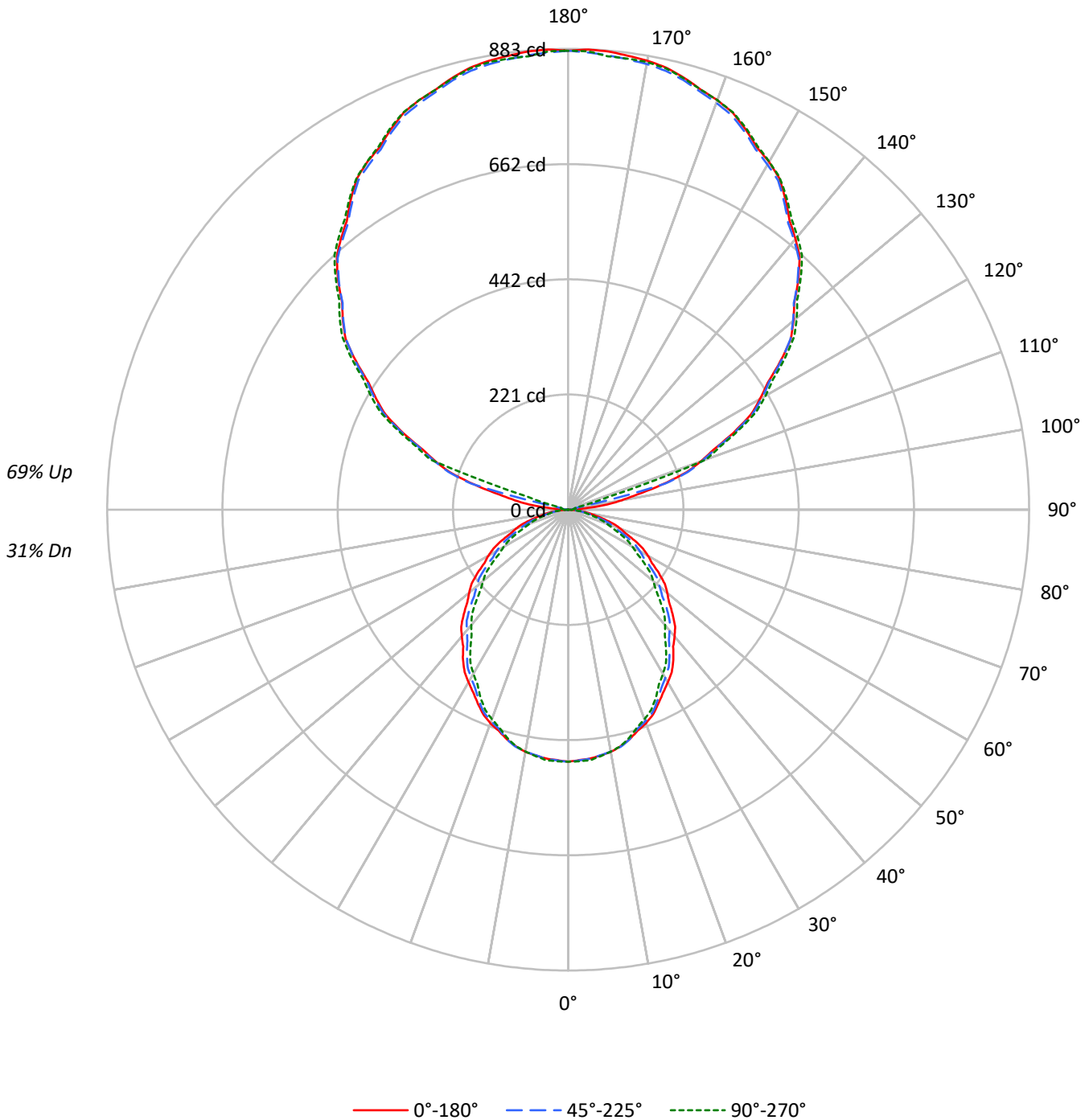
Lumens per Lamp: N/A  
Luminaire Lumens: 3751.5 lumens  
Efficiency: N/A  
Efficacy: 153.1 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 24.5  
Input Voltage (V): 120  
Input Current (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	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°	5464	5464	5464
5°	5437	5442	5472
10°	5414	5406	5406
15°	5331	5331	5298
20°	5244	5191	5145
25°	5112	5047	4957
30°	4987	4858	4740
35°	4855	4676	4510
40°	4681	4458	4266
45°	4522	4264	4000
50°	4358	4033	3742
55°	4180	3809	3497
60°	3990	3578	3220
65°	3764	3314	2929
70°	3507	3007	2610
75°	3178	2640	2326
80°	2769	2215	2059
85°	2142	1869	1869

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4522 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.6	1.2
10°-20°	128.0	3.4
20°-30°	186.0	5.0
30°-40°	211.4	5.6
40°-50°	205.2	5.5
50°-60°	173.3	4.6
60°-70°	123.3	3.3
70°-80°	65.9	1.8
80°-90°	17.4	0.5
90°-100°	20.3	0.5
100°-110°	147.1	3.9
110°-120°	349.7	9.3
120°-130°	446.7	11.9
130°-140°	481.9	12.8
140°-150°	454.3	12.1
150°-160°	370.6	9.9
160°-170°	241.4	6.4
170°-180°	83.5	2.2
0°-30°	359.5	9.6
0°-40°	570.9	15.2
0°-60°	949.5	25.3
0°-90°	1156.1	30.8
90°-120°	517.0	13.8
90°-150°	1899.9	50.6
90°-180°	2595.0	69.2
0°-180°	3751.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	483	483	483	483	483	
5°	479	485	479	478	482	45
15°	455	459	455	452	452	128
25°	410	411	404	399	397	189
35°	352	348	338	328	326	219
45°	283	278	266	254	250	218
55°	212	206	193	181	177	189
65°	141	136	124	113	109	139
75°	73	69	60	54	53	78
85°	16	15	14	14	14	20
90°	0	0	0	1	0	2
95°	37	7	9	9	9	46
105°	186	189	192	14	15	196
115°	349	352	353	358	360	345
125°	496	500	498	504	507	443
135°	624	627	622	626	630	480
145°	726	730	721	726	730	454
155°	804	810	799	801	806	371
165°	857	861	852	850	856	242
175°	881	886	874	870	872	84
180°	879	879	879	879	879	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	482.9	482.9	482.9	482.9	482.9
2.5°	480.4	485.2	480.9	481.5	482.6
5°	478.7	484.8	479.1	478.5	481.8
7.5°	475.0	480.5	474.6	473.3	476.3
10°	471.2	477.2	470.5	468.8	470.5
12.5°	464.3	470.6	465.3	462.5	463.9
15°	455.1	459.1	455.1	452.3	452.3
17.5°	443.8	448.0	440.4	438.5	437.7
20°	435.5	439.2	431.1	428.3	427.3
22.5°	424.6	428.0	421.2	416.5	415.2
25°	409.5	410.8	404.3	398.8	397.1
27.5°	394.3	394.7	385.7	379.0	376.8
30°	381.7	382.0	371.8	364.5	362.8
32.5°	369.1	368.1	358.3	349.7	348.6
35°	351.5	348.2	338.5	328.5	326.5
37.5°	330.3	328.3	316.9	306.9	303.8
40°	316.9	313.5	301.8	291.8	288.8
42.5°	303.4	299.5	287.5	276.4	273.1
45°	282.6	278.2	266.5	253.7	250.0
47.5°	261.6	256.8	243.9	231.5	227.4
50°	247.6	242.6	229.1	217.0	212.6
52.5°	233.3	228.0	214.5	202.2	198.6
55°	211.9	206.2	193.1	180.7	177.3
57.5°	190.5	184.9	171.8	160.1	156.0
60°	176.3	170.9	158.1	146.3	142.3
62.5°	161.7	156.6	144.1	132.6	128.9
65°	140.6	135.6	123.8	112.8	109.4
67.5°	119.7	115.4	103.8	93.6	90.9
70°	106.0	101.9	90.9	81.6	78.9
72.5°	92.8	88.5	78.0	70.1	68.2
75°	72.7	68.7	60.4	54.2	53.2
77.5°	54.3	51.0	43.8	40.3	39.8
80°	42.5	39.5	34.0	31.6	31.6
82.5°	31.6	29.1	25.4	24.4	24.4
85°	16.5	15.1	14.4	14.4	14.4
87.5°	4.9	4.9	4.7	4.5	4.4
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	73.3	10.1	12.1	12.2
100°	103.4	106.6	10.6	12.6	13.3
102.5°	135.2	137.9	19.6	13.1	13.8
105°	186.2	188.8	191.5	13.9	14.6
107.5°	237.0	238.9	240.7	216.7	81.1
110°	270.4	272.3	273.0	279.7	281.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	301.7	304.1	305.4	311.0	313.3
115°	349.3	351.8	352.6	357.9	359.9
117.5°	394.5	397.2	398.4	402.7	405.8
120°	424.1	427.4	428.1	433.5	436.1
122.5°	453.3	457.1	456.7	461.6	465.2
125°	496.4	499.6	498.4	503.7	507.0
127.5°	537.3	539.3	536.5	543.1	545.8
130°	563.3	565.3	562.0	568.0	571.3
132.5°	587.2	590.2	586.4	591.9	595.1
135°	623.6	626.9	621.6	626.4	630.2
137.5°	656.1	660.0	653.7	659.2	662.6
140°	677.3	681.2	673.3	679.4	683.3
142.5°	696.9	701.8	692.4	697.9	702.4
145°	725.7	730.2	721.0	725.8	729.7
147.5°	753.0	756.9	748.1	751.5	754.2
150°	769.4	773.3	763.5	766.8	770.1
152.5°	782.7	788.1	778.3	780.7	785.5
155°	803.9	810.4	799.2	801.3	806.5
157.5°	823.4	829.2	818.1	819.9	824.4
160°	835.0	840.9	829.7	830.5	835.0
162.5°	844.0	849.4	839.8	838.5	844.0
165°	856.9	861.4	852.3	849.7	855.6
167.5°	867.6	872.8	861.5	859.4	866.0
170°	873.5	878.6	866.8	863.7	870.8
172.5°	877.2	881.8	870.5	866.3	871.9
175°	881.4	886.0	874.1	869.5	872.1
177.5°	882.6	886.2	876.8	872.7	878.9
180°	879.4	879.4	879.4	879.4	879.4

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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	10.94	11.65	12.05	12.75	14.27	9.86	10.57	10.97	11.67	13.19
	3H	12.60	13.23	13.71	14.34	15.88	11.27	11.90	12.38	13.01	14.55
	4H	13.22	13.82	14.35	14.93	16.47	11.78	12.38	12.90	13.49	15.03
	6H	13.60	14.15	14.73	15.26	16.82	12.09	12.64	13.22	13.75	15.31
	8H	13.73	14.25	14.87	15.38	16.93	12.20	12.73	13.34	13.86	15.41
	12H	13.79	14.29	14.93	15.41	16.98	12.27	12.77	13.42	13.90	15.47
4H	2H	11.33	11.93	12.46	13.04	14.59	10.47	11.07	11.61	12.18	13.73
	3H	13.21	13.71	14.34	14.84	16.40	12.08	12.58	13.22	13.71	15.27
	4H	13.95	14.41	15.09	15.53	17.11	12.68	13.14	13.82	14.26	15.84
	6H	14.44	14.83	15.59	15.98	17.55	13.08	13.48	14.23	14.63	16.19
	8H	14.63	15.00	15.78	16.14	17.72	13.25	13.62	14.40	14.76	16.34
	12H	14.72	15.05	15.88	16.21	17.79	13.35	13.68	14.51	14.83	16.42
8H	4H	14.07	14.43	15.21	15.57	17.16	12.93	13.29	14.08	14.44	16.02
	6H	14.68	14.98	15.85	16.16	17.74	13.45	13.75	14.62	14.94	16.52
	8H	14.95	15.22	16.13	16.38	17.98	13.70	13.96	14.88	15.13	16.73
	12H	15.11	15.34	16.29	16.50	18.14	13.87	14.10	15.05	15.26	16.90
12H	4H	14.03	14.36	15.20	15.52	17.11	12.92	13.25	14.09	14.41	16.00
	6H	14.69	14.96	15.87	16.12	17.72	13.51	13.77	14.68	14.93	16.53
	8H	14.99	15.22	16.16	16.38	18.01	13.78	14.01	14.96	15.17	16.81