

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: P1439127

Luminaire Tested: CB3-030U-055D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439127  
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-055D-930-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

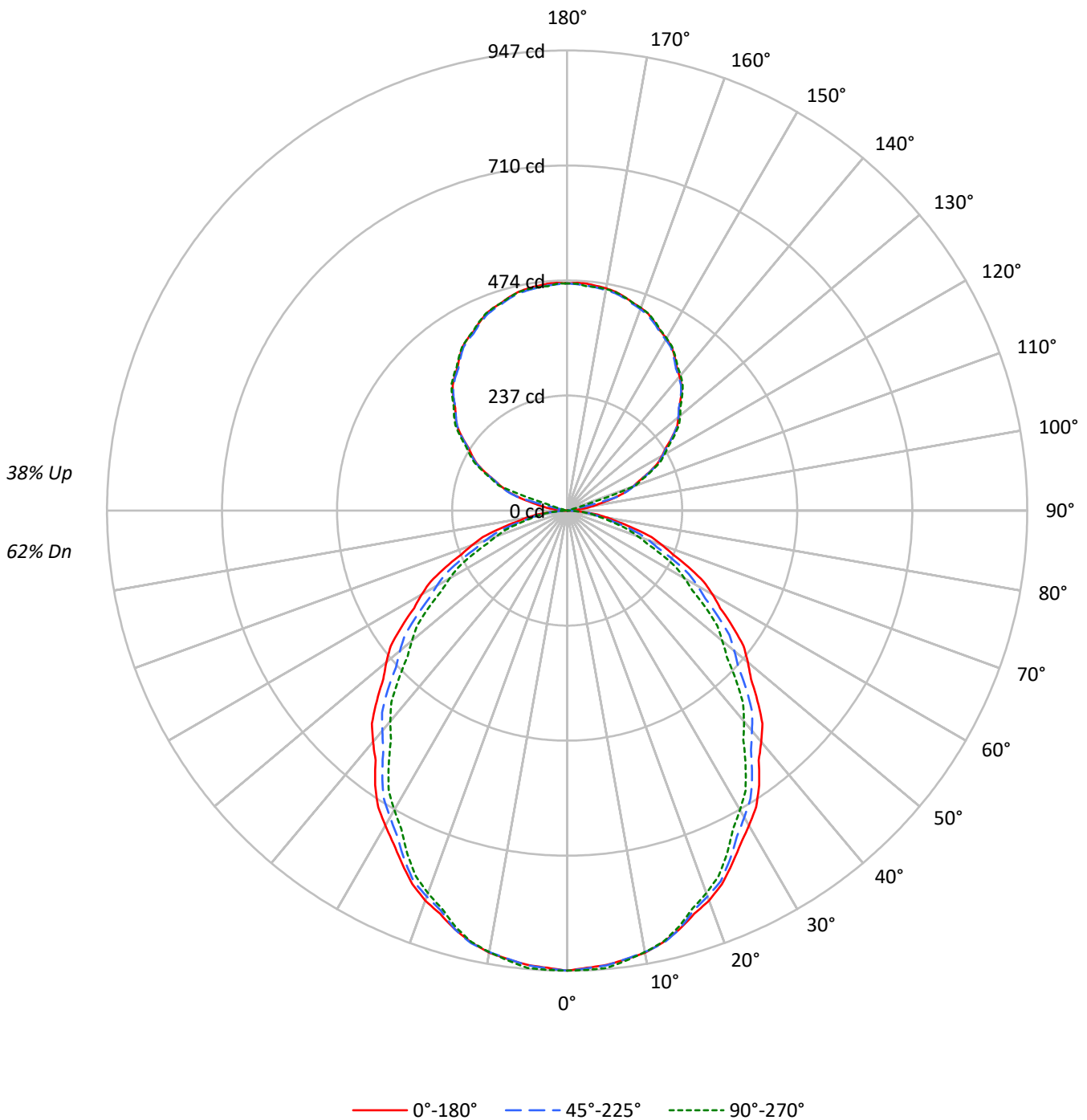
Lumens per Lamp: N/A  
Luminaire Lumens: 3646.2 lumens  
Efficiency: N/A  
Efficacy: 147.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 24.7  
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	0
RCR																		
0	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	96	93	89	94	91	87	84	79	77	75	69	67	66	60	59	57	53
2	92	84	78	73	86	79	74	69	70	66	62	61	58	55	53	51	49	45
3	84	74	67	61	78	70	64	58	62	57	53	54	50	47	47	44	42	38
4	77	66	58	52	72	62	55	50	55	49	45	48	44	40	42	39	36	33
5	71	59	51	45	66	56	48	43	49	44	39	44	39	35	38	35	32	29
6	65	53	45	39	61	50	43	37	45	39	34	40	35	31	35	31	28	25
7	61	48	40	34	57	46	38	33	41	35	30	36	31	28	32	28	25	22
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	25	22	20
9	52	40	33	27	49	38	31	26	34	28	24	31	26	22	27	23	20	18
10	49	37	30	25	46	35	28	24	32	26	22	28	24	20	25	21	18	17

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

	0°	45°	90°
0°	10712	10712	10712
5°	10660	10668	10730
10°	10614	10599	10599
15°	10451	10451	10388
20°	10282	10176	10088
25°	10022	9896	9720
30°	9776	9522	9293
35°	9520	9166	8841
40°	9177	8739	8361
45°	8865	8359	7842
50°	8544	7905	7338
55°	8196	7466	6857
60°	7821	7015	6314
65°	7381	6498	5743
70°	6874	5895	5114
75°	6230	5172	4555
80°	5434	4340	4033
85°	4193	3661	3661

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8865 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.3	2.4
10°-20°	250.9	6.9
20°-30°	364.6	10.0
30°-40°	414.5	11.4
40°-50°	402.4	11.0
50°-60°	339.7	9.3
60°-70°	241.7	6.6
70°-80°	129.1	3.5
80°-90°	34.1	0.9
90°-100°	10.8	0.3
100°-110°	78.2	2.1
110°-120°	185.9	5.1
120°-130°	237.5	6.5
130°-140°	256.2	7.0
140°-150°	241.5	6.6
150°-160°	197.0	5.4
160°-170°	128.4	3.5
170°-180°	44.4	1.2
0°-30°	704.8	19.3
0°-40°	1119.3	30.7
0°-60°	1861.5	51.1
0°-90°	2266.5	62.2
90°-120°	274.9	7.5
90°-150°	1010.0	27.7
90°-180°	1380.0	37.8
0°-180°	3646.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	947	947	947	947	947	
5°	939	950	939	938	945	89
15°	892	900	892	887	887	251
25°	803	805	793	782	779	370
35°	689	683	664	644	640	429
45°	554	546	522	497	490	427
55°	416	404	378	354	348	371
65°	276	266	243	221	214	273
75°	142	135	118	106	104	152
85°	32	30	28	28	28	38
90°	0	0	0	0	0	2
95°	20	4	5	5	5	24
105°	99	100	102	7	8	104
115°	186	187	187	190	191	183
125°	264	266	265	268	270	235
135°	332	333	330	333	335	255
145°	386	388	383	386	388	241
155°	427	431	425	426	429	197
165°	456	458	453	452	455	129
175°	469	471	465	462	464	45
180°	468	468	468	468	468	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	946.7	946.7	946.7	946.7	946.7
2.5°	941.8	951.3	942.9	944.0	946.1
5°	938.6	950.4	939.3	938.1	944.7
7.5°	931.3	942.1	930.5	927.8	933.8
10°	923.8	935.6	922.5	919.2	922.5
12.5°	910.4	922.7	912.2	906.8	909.6
15°	892.2	900.1	892.2	886.8	886.8
17.5°	870.0	878.3	863.4	859.6	858.2
20°	853.9	861.1	845.1	839.7	837.8
22.5°	832.4	839.1	825.8	816.6	814.1
25°	802.8	805.4	792.7	781.9	778.6
27.5°	773.1	773.7	756.3	743.1	738.8
30°	748.3	749.0	728.8	714.6	711.3
32.5°	723.6	721.6	702.5	685.6	683.4
35°	689.2	682.6	663.6	644.0	640.1
37.5°	647.6	643.7	621.3	601.6	595.7
40°	621.3	614.7	591.7	572.0	566.1
42.5°	594.9	587.3	563.7	541.9	535.5
45°	554.0	545.5	522.4	497.4	490.1
47.5°	512.9	503.5	478.2	453.9	445.9
50°	485.4	475.6	449.1	425.4	416.9
52.5°	457.5	447.1	420.6	396.4	389.4
55°	415.5	404.3	378.5	354.2	347.6
57.5°	373.6	362.5	336.8	313.8	305.9
60°	345.6	335.1	310.0	286.9	279.0
62.5°	317.1	307.1	282.5	260.0	252.7
65°	275.7	265.8	242.7	221.1	214.5
67.5°	234.7	226.2	203.5	183.6	178.3
70°	207.8	199.9	178.2	159.9	154.6
72.5°	181.9	173.5	152.9	137.3	133.7
75°	142.5	134.6	118.3	106.2	104.2
77.5°	106.5	100.1	85.9	79.0	78.0
80°	83.4	77.5	66.6	61.9	61.9
82.5°	61.9	57.0	49.9	47.9	47.9
85°	32.3	29.6	28.2	28.2	28.2
87.5°	9.7	9.7	9.1	8.7	8.6
90°	0.0	0.0	0.0	0.3	0.0
92.5°	5.4	2.0	1.7	2.0	2.0
95°	19.7	3.5	4.6	4.9	4.9
97.5°	39.7	39.0	5.4	6.4	6.5
100°	55.0	56.7	5.6	6.7	7.0
102.5°	71.9	73.3	10.4	7.0	7.3
105°	99.0	100.4	101.8	7.4	7.8
107.5°	126.0	127.0	128.0	115.2	43.1
110°	143.7	144.8	145.1	148.7	149.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	160.4	161.7	162.3	165.3	166.6
115°	185.7	187.0	187.4	190.3	191.3
117.5°	209.7	211.1	211.8	214.1	215.7
120°	225.5	227.2	227.6	230.4	231.8
122.5°	241.0	243.0	242.8	245.4	247.3
125°	263.9	265.6	264.9	267.8	269.5
127.5°	285.6	286.7	285.2	288.7	290.2
130°	299.5	300.5	298.8	302.0	303.7
132.5°	312.1	313.7	311.7	314.6	316.4
135°	331.5	333.2	330.5	333.0	335.0
137.5°	348.8	350.8	347.5	350.4	352.2
140°	360.1	362.1	357.9	361.2	363.2
142.5°	370.5	373.1	368.1	371.0	373.4
145°	385.8	388.2	383.3	385.8	387.9
147.5°	400.3	402.4	397.7	399.5	400.9
150°	409.0	411.1	405.9	407.7	409.4
152.5°	416.1	419.0	413.7	415.0	417.5
155°	427.3	430.8	424.9	426.0	428.8
157.5°	437.7	440.8	434.9	435.9	438.3
160°	443.9	447.0	441.1	441.5	443.9
162.5°	448.7	451.5	446.4	445.7	448.7
165°	455.5	457.9	453.1	451.7	454.8
167.5°	461.2	464.0	458.0	456.9	460.4
170°	464.3	467.1	460.8	459.1	462.9
172.5°	466.3	468.8	462.8	460.5	463.5
175°	468.6	471.0	464.7	462.3	463.6
177.5°	469.2	471.1	466.1	463.9	467.2
180°	467.5	467.5	467.5	467.5	467.5

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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	16.44	17.41	17.29	18.28	19.37	15.36	16.33	16.21	17.20	18.29
	3H	18.12	18.99	18.98	19.86	20.98	16.79	17.65	17.65	18.53	19.65
	4H	18.75	19.57	19.63	20.46	21.58	17.31	18.13	18.19	19.01	20.14
	6H	19.14	19.90	20.03	20.79	21.93	17.63	18.39	18.52	19.28	20.42
	8H	19.28	20.00	20.18	20.91	22.05	17.76	18.48	18.66	19.39	20.52
	12H	19.36	20.04	20.26	20.94	22.11	17.84	18.52	18.74	19.42	20.59
4H	2H	16.86	17.68	17.75	18.57	19.69	16.01	16.82	16.89	17.71	18.83
	3H	18.76	19.45	19.66	20.36	21.50	17.63	18.32	18.53	19.23	20.37
	4H	19.52	20.14	20.42	21.05	22.22	18.24	18.87	19.15	19.78	20.94
	6H	20.02	20.56	20.94	21.50	22.66	18.66	19.20	19.58	20.14	21.30
	8H	20.22	20.72	21.14	21.65	22.83	18.84	19.34	19.76	20.27	21.45
	12H	20.32	20.77	21.26	21.72	22.91	18.95	19.40	19.89	20.35	21.53
8H	4H	19.65	20.16	20.57	21.09	22.27	18.51	19.02	19.44	19.95	21.13
	6H	20.28	20.69	21.23	21.66	22.84	19.05	19.46	20.00	20.43	21.61
	8H	20.55	20.92	21.51	21.88	23.08	19.30	19.67	20.26	20.63	21.83
	12H	20.72	21.05	21.68	22.00	23.25	19.48	19.81	20.44	20.76	22.01
12H	4H	19.63	20.08	20.57	21.03	22.22	18.52	18.97	19.46	19.92	21.11
	6H	20.29	20.66	21.25	21.62	22.82	19.11	19.47	20.06	20.44	21.63
	8H	20.60	20.92	21.56	21.88	23.13	19.39	19.72	20.35	20.67	21.92