

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: P1439129

Luminaire Tested: CB3-030U-055D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439129  
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-935-1D-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: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

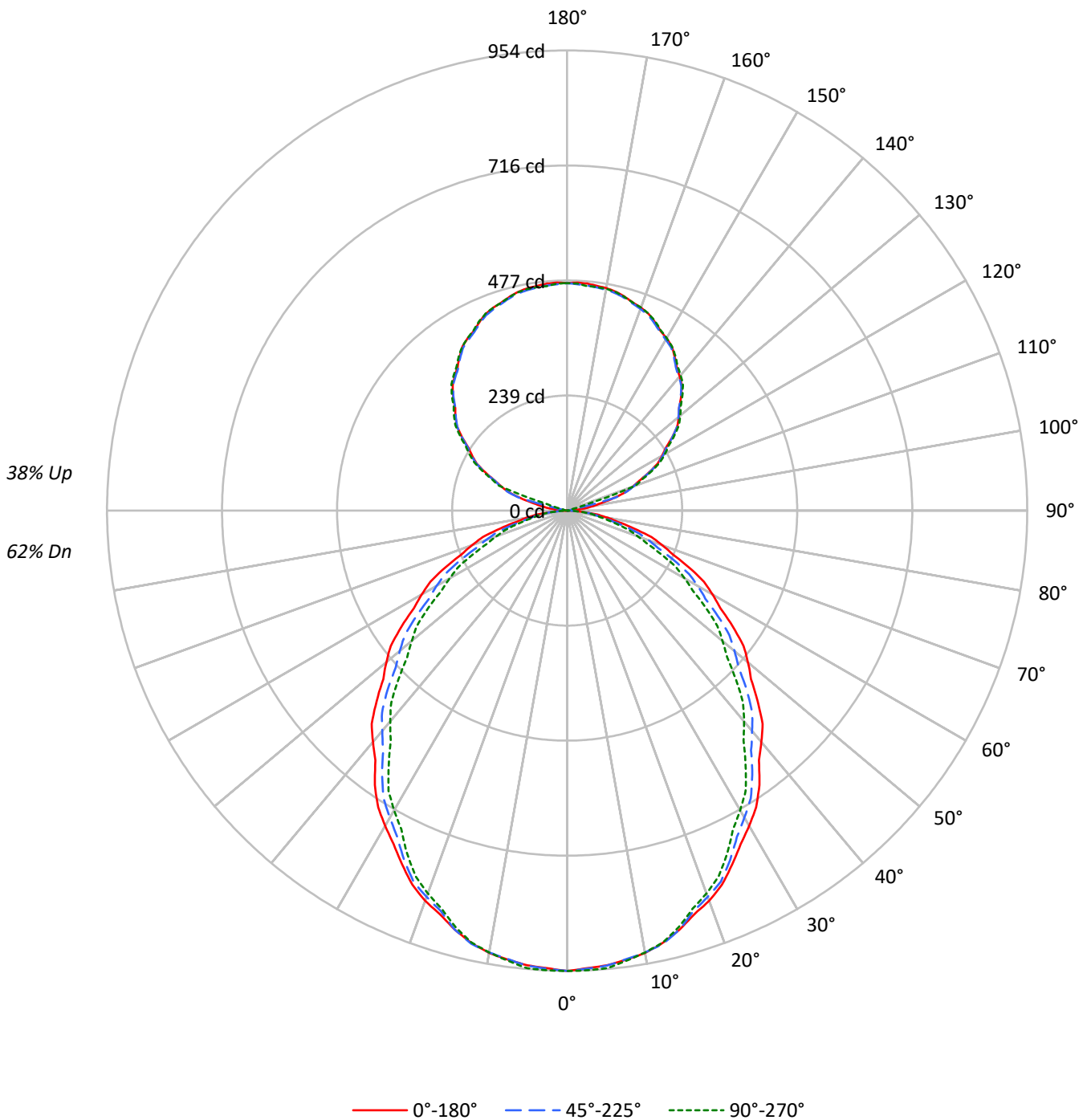
Lumens per Lamp: N/A  
Luminaire Lumens: 3676.2 lumens  
Efficiency: N/A  
Efficacy: 148.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Direct

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°	10800	10800	10800
5°	10748	10756	10817
10°	10701	10686	10686
15°	10538	10538	10473
20°	10366	10260	10170
25°	10105	9977	9800
30°	9857	9600	9370
35°	9597	9242	8913
40°	9252	8810	8431
45°	8938	8428	7908
50°	8615	7970	7398
55°	8263	7528	6914
60°	7884	7072	6366
65°	7440	6551	5788
70°	6931	5941	5157
75°	6282	5215	4595
80°	5480	4372	4066
85°	4219	3700	3700

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8938 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.1	2.4
10°-20°	253.0	6.9
20°-30°	367.6	10.0
30°-40°	417.9	11.4
40°-50°	405.7	11.0
50°-60°	342.5	9.3
60°-70°	243.7	6.6
70°-80°	130.2	3.5
80°-90°	34.4	0.9
90°-100°	10.9	0.3
100°-110°	78.8	2.1
110°-120°	187.4	5.1
120°-130°	239.4	6.5
130°-140°	258.3	7.0
140°-150°	243.5	6.6
150°-160°	198.6	5.4
160°-170°	129.4	3.5
170°-180°	44.7	1.2
0°-30°	710.6	19.3
0°-40°	1128.6	30.7
0°-60°	1876.8	51.1
0°-90°	2285.1	62.2
90°-120°	277.1	7.5
90°-150°	1018.3	27.7
90°-180°	1391.0	37.8
0°-180°	3676.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	954	954	954	954	954	
5°	946	958	947	946	952	90
15°	900	908	900	894	894	253
25°	809	812	799	788	785	373
35°	695	688	669	649	645	433
45°	559	550	527	502	494	431
55°	419	408	382	357	350	375
65°	278	268	245	223	216	275
75°	144	136	119	107	105	153
85°	32	30	28	28	28	39
90°	0	0	0	0	0	2
95°	20	4	5	5	5	25
105°	100	101	103	8	8	105
115°	187	189	189	192	193	185
125°	266	268	267	270	272	237
135°	334	336	333	336	338	257
145°	389	391	386	389	391	243
155°	431	434	428	430	432	199
165°	459	462	457	455	459	130
175°	472	475	468	466	467	45
180°	471	471	471	471	471	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	954.5	954.5	954.5	954.5	954.5
2.5°	949.6	959.1	950.7	951.8	953.9
5°	946.3	958.3	947.0	945.8	952.4
7.5°	939.0	949.9	938.2	935.5	941.4
10°	931.4	943.3	930.1	926.7	930.1
12.5°	917.9	930.3	919.8	914.3	917.0
15°	899.6	907.5	899.6	894.1	894.1
17.5°	877.2	885.5	870.5	866.7	865.3
20°	860.9	868.2	852.1	846.6	844.6
22.5°	839.2	846.0	832.6	823.3	820.8
25°	809.4	812.0	799.2	788.3	785.0
27.5°	779.4	780.1	762.5	749.2	744.9
30°	754.5	755.1	734.8	720.5	717.2
32.5°	729.5	727.5	708.3	691.3	689.0
35°	694.8	688.2	669.1	649.3	645.3
37.5°	652.9	649.0	626.4	606.6	600.6
40°	626.4	619.7	596.5	576.7	570.8
42.5°	599.8	592.1	568.3	546.4	539.9
45°	558.6	550.0	526.7	501.5	494.2
47.5°	517.1	507.7	482.1	457.7	449.6
50°	489.4	479.5	452.8	428.9	420.3
52.5°	461.2	450.8	424.1	399.7	392.6
55°	418.9	407.7	381.6	357.1	350.5
57.5°	376.6	365.5	339.6	316.4	308.4
60°	348.4	337.8	312.5	289.3	281.3
62.5°	319.7	309.6	284.8	262.2	254.7
65°	277.9	268.0	244.7	222.9	216.2
67.5°	236.6	228.1	205.1	185.1	179.8
70°	209.5	201.5	179.6	161.2	155.9
72.5°	183.4	175.0	154.2	138.5	134.8
75°	143.7	135.8	119.3	107.1	105.1
77.5°	107.4	100.9	86.6	79.7	78.6
80°	84.1	78.1	67.1	62.4	62.4
82.5°	62.4	57.5	50.3	48.3	48.3
85°	32.5	29.9	28.5	28.5	28.5
87.5°	9.8	9.8	9.2	8.7	8.7
90°	0.0	0.0	0.0	0.3	0.0
92.5°	5.4	2.1	1.7	2.1	2.0
95°	19.9	3.6	4.6	5.0	5.0
97.5°	40.1	39.3	5.4	6.5	6.5
100°	55.4	57.1	5.7	6.8	7.1
102.5°	72.5	73.9	10.5	7.0	7.4
105°	99.8	101.2	102.7	7.5	7.8
107.5°	127.0	128.1	129.0	116.1	43.5
110°	144.9	146.0	146.3	149.9	150.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	161.7	163.0	163.7	166.7	167.9
115°	187.2	188.6	189.0	191.8	192.9
117.5°	211.4	212.9	213.5	215.9	217.5
120°	227.3	229.1	229.5	232.3	233.7
122.5°	243.0	245.0	244.8	247.4	249.4
125°	266.0	267.8	267.1	270.0	271.7
127.5°	288.0	289.0	287.6	291.1	292.5
130°	301.9	303.0	301.2	304.4	306.2
132.5°	314.7	316.3	314.3	317.2	319.0
135°	334.2	336.0	333.2	335.7	337.8
137.5°	351.6	353.7	350.4	353.3	355.1
140°	363.0	365.1	360.9	364.1	366.2
142.5°	373.5	376.2	371.1	374.1	376.4
145°	388.9	391.4	386.5	389.0	391.1
147.5°	403.6	405.7	401.0	402.8	404.2
150°	412.4	414.5	409.2	411.0	412.7
152.5°	419.5	422.4	417.1	418.4	421.0
155°	430.9	434.3	428.4	429.5	432.3
157.5°	441.3	444.4	438.5	439.4	441.9
160°	447.6	450.7	444.7	445.1	447.6
162.5°	452.4	455.2	450.1	449.4	452.4
165°	459.3	461.7	456.8	455.4	458.6
167.5°	465.0	467.8	461.8	460.6	464.2
170°	468.2	470.9	464.6	462.9	466.7
172.5°	470.1	472.6	466.6	464.3	467.3
175°	472.4	474.8	468.5	466.1	467.4
177.5°	473.1	475.0	469.9	467.7	471.1
180°	471.4	471.4	471.4	471.4	471.4



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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	16.47	17.44	17.32	18.31	19.39	15.39	16.36	16.24	17.23	18.32
	3H	18.15	19.01	19.01	19.89	21.01	16.82	17.68	17.68	18.56	19.67
	4H	18.78	19.60	19.66	20.49	21.61	17.34	18.16	18.21	19.04	20.17
	6H	19.17	19.93	20.06	20.82	21.96	17.66	18.42	18.55	19.31	20.44
	8H	19.31	20.03	20.21	20.94	22.08	17.79	18.51	18.68	19.42	20.55
	12H	19.38	20.07	20.29	20.97	22.13	17.87	18.55	18.77	19.45	20.62
4H	2H	16.89	17.71	17.77	18.60	19.72	16.03	16.85	16.92	17.74	18.86
	3H	18.79	19.47	19.68	20.39	21.53	17.66	18.35	18.56	19.26	20.40
	4H	19.55	20.17	20.45	21.08	22.25	18.27	18.90	19.18	19.81	20.97
	6H	20.05	20.59	20.97	21.53	22.69	18.69	19.23	19.61	20.16	21.33
	8H	20.25	20.75	21.17	21.68	22.86	18.87	19.37	19.79	20.30	21.48
	12H	20.35	20.80	21.29	21.75	22.94	18.98	19.43	19.92	20.38	21.56
8H	4H	19.68	20.18	20.60	21.11	22.29	18.54	19.05	19.46	19.98	21.16
	6H	20.31	20.72	21.25	21.69	22.87	19.08	19.49	20.02	20.46	21.64
	8H	20.58	20.95	21.54	21.91	23.11	19.33	19.70	20.29	20.66	21.86
	12H	20.75	21.08	21.71	22.03	23.28	19.51	19.83	20.47	20.79	22.04
12H	4H	19.66	20.11	20.60	21.06	22.25	18.55	19.00	19.49	19.95	21.14
	6H	20.32	20.69	21.28	21.65	22.85	19.13	19.50	20.09	20.46	21.66
	8H	20.63	20.95	21.59	21.91	23.15	19.42	19.74	20.38	20.70	21.95