

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: P1439535

Luminaire Tested: CB3-D-055U-030D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439535  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-D-055U-030D-940-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

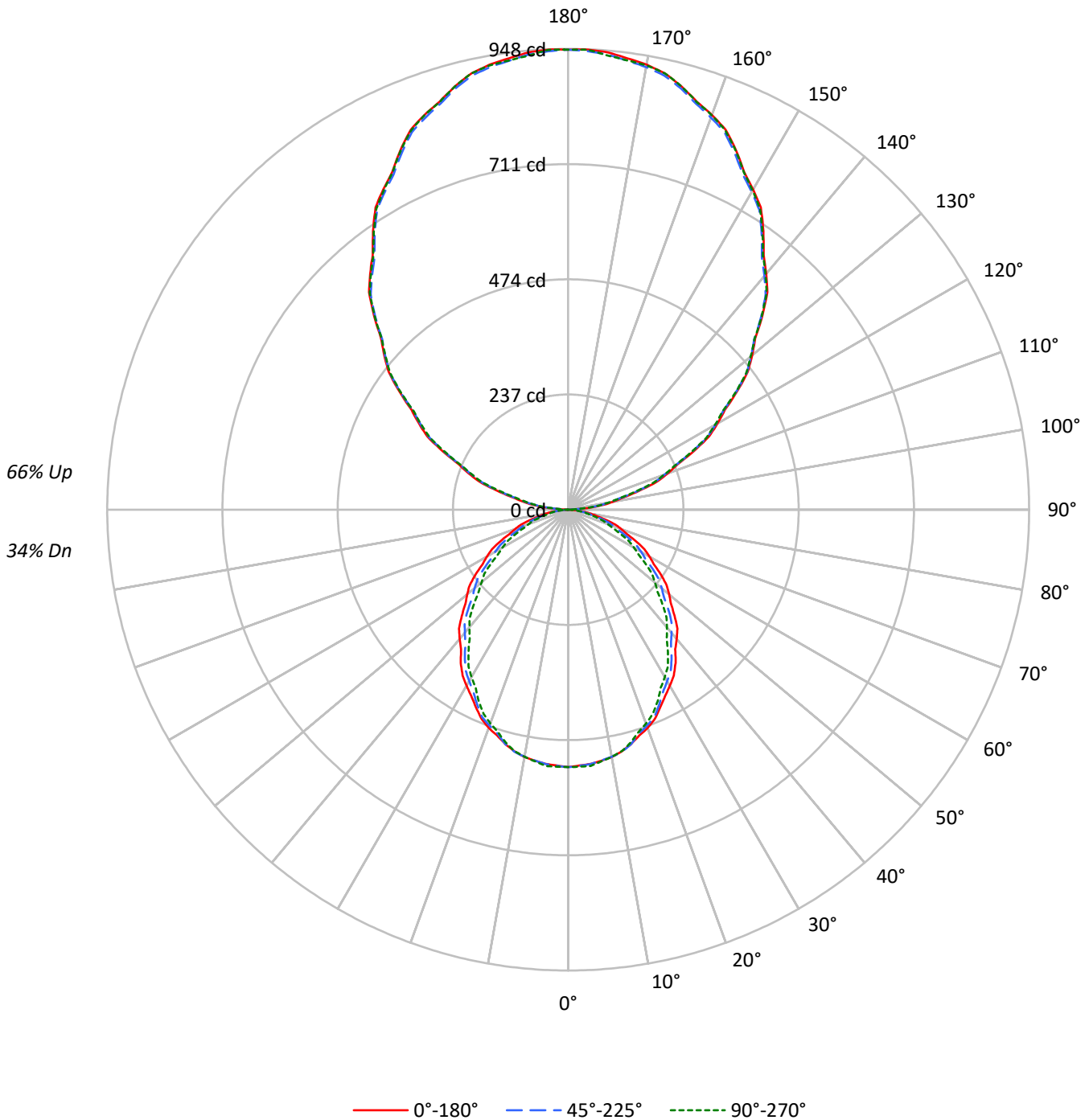
Lumens per Lamp: N/A  
Luminaire Lumens: 3705.6 lumens  
Efficiency: N/A  
Efficacy: 151.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

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										
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	50	30	10	0														
RCR																																						
0	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42	34																				
1	94	90	86	83	85	82	78	76	65	63	61	51	49	48	37	36	35	29																				
2	86	79	73	68	77	71	66	62	57	54	51	45	42	40	33	31	30	25																				
3	78	69	62	57	71	63	57	52	51	46	43	39	37	34	29	27	26	21																				
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22	18																				
5	66	55	47	41	59	50	43	38	40	35	32	32	28	25	23	21	19	16																				
6	61	49	41	35	55	45	38	33	36	31	27	29	25	22	21	19	17	14																				
7	56	44	36	31	50	40	33	29	33	28	24	26	22	20	19	17	15	12																				
8	52	40	32	27	47	37	30	25	30	25	21	24	20	17	18	15	14	11																				
9	48	36	29	24	44	33	27	23	27	22	19	22	18	16	16	14	12	10																				
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11	9																				

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

	0°	45°	90°
0°	5991	5991	5991
5°	5963	5967	6009
10°	5936	5928	5928
15°	5846	5846	5811
20°	5752	5693	5634
25°	5598	5528	5429
30°	5461	5319	5191
35°	5316	5120	4938
40°	5125	4882	4670
45°	4951	4669	4381
50°	4772	4416	4098
55°	4578	4170	3831
60°	4367	3917	3528
65°	4123	3630	3207
70°	3837	3292	2858
75°	3480	2890	2544
80°	3036	2424	2248
85°	2337	2051	2051

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4951 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.0	1.3
10°-20°	140.4	3.8
20°-30°	203.7	5.5
30°-40°	231.5	6.2
40°-50°	224.8	6.1
50°-60°	189.8	5.1
60°-70°	135.0	3.6
70°-80°	72.1	1.9
80°-90°	19.1	0.5
90°-100°	40.0	1.1
100°-110°	156.5	4.2
110°-120°	278.9	7.5
120°-130°	377.4	10.2
130°-140°	433.9	11.7
140°-150°	435.4	11.7
150°-160°	374.4	10.1
160°-170°	253.5	6.8
170°-180°	89.4	2.4
0°-30°	394.0	10.6
0°-40°	625.6	16.9
0°-60°	1040.1	28.1
0°-90°	1266.3	34.2
90°-120°	475.4	12.8
90°-150°	1722.0	46.5
90°-180°	2439.0	65.8
0°-180°	3705.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	530	530	530	530	530	
5°	525	532	525	525	529	50
15°	499	504	499	496	496	141
25°	448	450	443	437	435	207
35°	385	381	371	360	358	240
45°	309	305	292	278	274	239
55°	232	226	211	198	194	207
65°	154	148	136	124	120	153
75°	80	75	66	59	58	85
85°	18	17	16	16	16	21
90°	0	0	0	0	0	2
95°	38	35	31	29	30	44
105°	152	151	146	144	142	162
115°	284	286	279	279	278	282
125°	424	429	420	419	420	379
135°	565	570	561	557	562	435
145°	700	705	694	690	697	437
155°	816	824	810	806	815	376
165°	901	909	897	892	901	254
175°	944	953	940	934	938	90
180°	946	946	946	946	946	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	529.5	529.5	529.5	529.5	529.5
2.5°	526.8	532.1	527.4	528.0	529.2
5°	525.0	531.6	525.4	524.7	529.1
7.5°	520.9	527.0	520.5	519.0	522.3
10°	516.7	523.3	516.0	514.1	516.0
12.5°	509.2	516.1	510.3	507.2	508.8
15°	499.1	503.5	499.1	496.1	496.1
17.5°	486.7	491.3	483.0	480.9	479.9
20°	477.7	481.7	472.8	469.7	467.9
22.5°	465.6	469.4	462.0	456.2	454.7
25°	448.4	449.9	442.8	436.7	434.9
27.5°	431.8	432.2	422.4	415.1	412.6
30°	418.0	418.3	407.1	399.2	397.3
32.5°	404.2	403.1	392.4	383.0	381.7
35°	384.9	381.3	370.7	359.7	357.5
37.5°	361.7	359.5	347.0	336.0	332.7
40°	347.0	343.3	330.5	319.5	316.2
42.5°	332.3	328.0	314.9	302.7	299.1
45°	309.4	304.7	291.8	277.8	273.8
47.5°	286.5	281.3	267.1	253.5	249.1
50°	271.1	265.6	250.9	237.6	232.8
52.5°	255.5	249.7	234.9	221.4	217.5
55°	232.1	225.8	211.4	197.8	194.2
57.5°	208.7	202.5	188.1	175.3	170.9
60°	193.0	187.2	173.1	160.3	155.9
62.5°	177.1	171.5	157.8	145.2	141.1
65°	154.0	148.5	135.6	123.5	119.8
67.5°	131.1	126.4	113.6	102.5	99.6
70°	116.0	111.6	99.5	89.3	86.4
72.5°	101.6	96.9	85.4	76.7	74.7
75°	79.6	75.2	66.1	59.3	58.2
77.5°	59.5	55.9	48.0	44.2	43.6
80°	46.6	43.3	37.2	34.5	34.5
82.5°	34.5	31.8	27.9	26.7	26.7
85°	18.0	16.6	15.8	15.8	15.8
87.5°	5.4	5.4	5.1	4.8	4.8
90°	0.0	0.0	0.0	0.0	0.0
92.5°	10.5	9.3	5.8	4.6	4.6
95°	38.5	34.9	31.2	29.0	29.8
97.5°	71.0	67.6	63.0	60.8	61.4
100°	93.6	90.8	85.6	83.5	83.5
102.5°	115.7	114.0	108.9	106.7	107.3
105°	151.7	151.0	145.9	143.7	142.2
107.5°	191.4	190.2	184.5	184.3	183.0
110°	217.0	216.3	211.2	210.4	209.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	243.1	244.1	238.5	237.7	237.0
115°	284.5	285.9	279.4	278.7	277.9
117.5°	326.9	328.8	321.9	321.2	319.9
120°	354.1	358.4	349.8	349.1	348.3
122.5°	382.0	385.7	377.7	376.4	376.2
125°	423.8	428.8	420.2	418.8	419.5
127.5°	465.6	470.7	462.7	459.8	461.4
130°	493.5	499.2	490.6	487.7	489.9
132.5°	521.9	527.6	519.0	516.2	519.5
135°	564.6	570.3	561.0	556.8	562.4
137.5°	606.3	611.2	601.0	598.1	604.1
140°	633.6	638.5	627.7	624.3	631.4
142.5°	660.3	665.8	653.9	650.4	658.1
145°	699.6	705.3	693.8	690.3	696.7
147.5°	737.3	743.1	731.5	727.5	734.0
150°	760.6	766.9	754.7	751.3	758.4
152.5°	783.2	790.1	777.4	773.4	782.2
155°	816.4	823.5	809.9	806.5	815.0
157.5°	846.3	852.9	840.5	837.1	844.4
160°	864.3	871.4	858.5	855.1	863.6
162.5°	880.0	887.1	875.4	870.8	879.3
165°	901.3	909.1	897.0	892.1	901.3
167.5°	919.2	927.6	914.7	910.3	919.5
170°	929.6	937.4	924.6	919.0	928.2
172.5°	936.6	944.4	931.5	925.9	932.3
175°	944.2	952.7	939.8	934.1	937.6
177.5°	947.5	954.3	944.0	939.0	946.9
180°	946.3	946.3	946.3	946.3	946.3



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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	11.69	12.42	12.77	13.50	14.98	10.61	11.34	11.69	12.42	13.90
	3H	13.34	14.00	14.44	15.09	16.58	12.01	12.66	13.10	13.75	15.25
	4H	13.97	14.59	15.07	15.68	17.18	12.52	13.14	13.63	14.23	15.74
	6H	14.35	14.91	15.46	16.01	17.53	12.83	13.40	13.95	14.50	16.01
	8H	14.48	15.02	15.59	16.13	17.64	12.95	13.49	14.07	14.60	16.11
	12H	14.54	15.06	15.66	16.16	17.69	13.02	13.54	14.14	14.64	16.18
4H	2H	12.08	12.70	13.19	13.79	15.29	11.22	11.84	12.33	12.93	14.44
	3H	13.96	14.47	15.07	15.59	17.11	12.83	13.34	13.94	14.46	15.98
	4H	14.70	15.17	15.82	16.28	17.82	13.43	13.90	14.55	15.01	16.55
	6H	15.19	15.60	16.32	16.73	18.26	13.83	14.24	14.96	15.37	16.90
	8H	15.38	15.76	16.51	16.88	18.43	14.00	14.38	15.13	15.50	17.05
	12H	15.47	15.82	16.62	16.95	18.50	14.10	14.44	15.24	15.58	17.13
8H	4H	14.82	15.20	15.95	16.32	17.87	13.68	14.06	14.81	15.18	16.73
	6H	15.43	15.74	16.58	16.91	18.45	14.20	14.51	15.35	15.68	17.22
	8H	15.71	15.98	16.86	17.12	18.69	14.45	14.72	15.61	15.87	17.43
	12H	15.86	16.10	17.02	17.25	18.84	14.62	14.86	15.78	16.00	17.60
12H	4H	14.78	15.13	15.93	16.26	17.81	13.67	14.02	14.82	15.15	16.70
	6H	15.45	15.72	16.60	16.87	18.43	14.26	14.53	15.41	15.68	17.24
	8H	15.74	15.98	16.90	17.12	18.72	14.53	14.77	15.69	15.91	17.51