

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: P1438601

Luminaire Tested: CB2-030U-055D-835-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438601  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-030U-055D-835-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

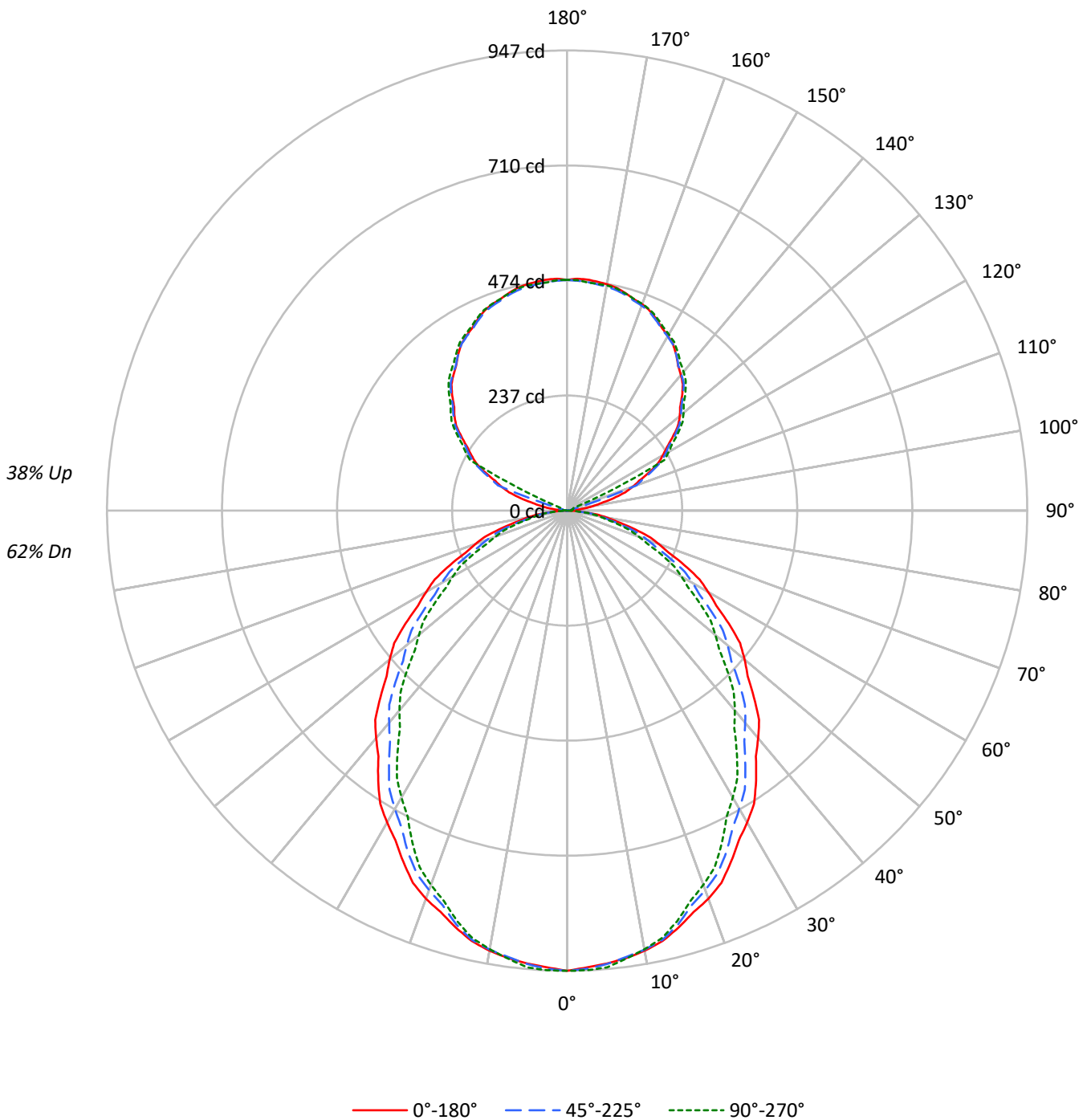
Lumens per Lamp: N/A  
Luminaire Lumens: 3562.4 lumens  
Efficiency: N/A  
Efficacy: 132.9 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 26.8  
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	92	89	94	90	87	84	79	77	74	69	67	66	60	58	57	53
2	92	84	78	73	86	79	74	69	70	66	62	61	58	55	53	51	48	44
3	84	74	67	61	78	70	64	58	62	57	52	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	34	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	35	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	53	40	33	28	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	19	17

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

	0°	45°	90°
0°	16496	16496	16496
5°	16356	16382	16496
10°	16264	16225	16213
15°	16007	15902	15771
20°	15755	15405	15190
25°	15330	14900	14481
30°	14907	14249	13710
35°	14418	13585	12938
40°	13901	12960	12203
45°	13380	12309	11486
50°	12912	11673	10787
55°	12332	11011	10130
60°	11673	10384	9475
65°	10971	9685	8815
70°	10195	8902	7975
75°	9273	8055	7221
80°	8295	7051	6550
85°	6375	5795	4776

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13380 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.1	2.5
10°-20°	248.3	7.0
20°-30°	357.0	10.0
30°-40°	401.2	11.3
40°-50°	387.6	10.9
50°-60°	327.5	9.2
60°-70°	235.2	6.6
70°-80°	128.6	3.6
80°-90°	34.2	1.0
90°-100°	8.3	0.2
100°-110°	52.7	1.5
110°-120°	167.3	4.7
120°-130°	242.8	6.8
130°-140°	261.1	7.3
140°-150°	245.9	6.9
150°-160°	200.3	5.6
160°-170°	130.4	3.7
170°-180°	45.1	1.3
0°-30°	694.3	19.5
0°-40°	1095.6	30.8
0°-60°	1810.7	50.8
0°-90°	2208.6	62.0
90°-120°	228.2	6.4
90°-150°	978.0	27.5
90°-180°	1354.0	38.0
0°-180°	3562.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	947	947	947	947	947	
5°	936	948	937	937	944	89
15°	888	896	882	873	875	250
25°	798	798	775	758	754	367
35°	678	670	639	614	608	424
45°	543	532	500	473	466	420
55°	406	391	363	340	334	363
65°	266	256	235	218	214	264
75°	138	129	120	110	107	147
85°	32	30	29	25	24	38
90°	0	0	0	0	0	2
95°	19	6	6	4	3	24
105°	99	103	10	12	13	104
115°	187	191	193	195	112	184
125°	266	270	270	275	279	238
135°	334	338	338	340	344	258
145°	391	394	392	392	397	245
155°	435	437	432	432	438	200
165°	463	465	460	458	463	131
175°	477	478	472	469	471	45
180°	475	475	475	475	475	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	947.1	947.1	947.1	947.1	947.1
2.5°	940.8	952.1	943.7	944.9	946.6
5°	935.5	948.3	937.0	937.1	943.5
7.5°	928.9	940.9	926.7	924.1	930.0
10°	919.6	931.6	917.4	912.4	916.7
12.5°	907.4	918.9	905.2	897.3	901.0
15°	887.7	895.5	881.9	873.2	874.6
17.5°	866.2	871.0	851.4	844.1	842.7
20°	850.0	854.2	831.1	820.9	819.5
22.5°	829.1	832.8	808.5	796.0	794.0
25°	797.7	798.5	775.3	757.8	753.5
27.5°	765.0	762.7	737.0	716.2	710.7
30°	741.2	738.3	708.5	686.7	681.7
32.5°	715.6	710.5	680.7	657.1	652.1
35°	678.1	670.3	638.9	614.1	608.5
37.5°	638.1	629.3	598.5	571.5	565.1
40°	611.4	601.4	570.0	543.0	536.7
42.5°	584.7	573.6	541.6	514.6	507.7
45°	543.2	531.8	499.7	473.4	466.3
47.5°	503.7	489.3	458.1	431.9	424.8
50°	476.5	460.9	430.8	405.2	398.1
52.5°	448.6	432.5	403.5	379.1	372.0
55°	406.1	391.2	362.6	340.0	333.6
57.5°	364.1	349.7	323.6	302.0	295.7
60°	335.1	323.0	298.1	277.6	272.0
62.5°	307.2	296.3	272.5	253.8	248.2
65°	266.2	256.2	235.0	218.2	213.9
67.5°	226.3	216.3	199.1	184.1	179.3
70°	200.2	190.2	174.8	160.9	156.6
72.5°	175.2	164.7	152.2	139.5	136.3
75°	137.8	129.3	119.7	110.2	107.3
77.5°	104.7	96.5	89.5	82.8	82.1
80°	82.7	75.6	70.3	66.0	65.3
82.5°	61.8	56.4	52.9	49.7	49.6
85°	31.9	29.8	29.0	25.4	23.9
87.5°	9.3	9.3	8.1	7.0	7.0
90°	0.0	0.0	0.0	0.3	0.3
92.5°	5.2	2.0	1.4	2.0	2.0
95°	18.9	5.5	5.8	3.8	3.4
97.5°	39.2	8.8	8.4	9.3	9.6
100°	54.6	18.0	9.3	10.6	11.0
102.5°	71.6	67.8	9.5	11.5	12.1
105°	98.9	102.6	10.3	12.0	12.7
107.5°	125.6	129.3	47.9	12.4	13.1
110°	143.5	147.2	151.7	12.7	13.4

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	160.2	164.7	168.2	28.3	13.9
115°	187.1	191.1	192.9	195.2	111.9
117.5°	210.8	215.7	217.8	221.6	225.4
120°	227.3	232.0	233.4	237.3	241.3
122.5°	243.5	247.6	248.5	253.0	256.7
125°	265.7	270.4	270.5	275.1	278.7
127.5°	287.9	292.0	291.8	295.2	299.3
130°	302.8	305.5	305.5	308.4	312.7
132.5°	315.1	318.9	319.0	321.3	325.6
135°	334.4	338.4	337.8	340.0	344.3
137.5°	352.4	356.3	355.2	357.1	361.5
140°	364.2	367.6	365.9	367.8	372.8
142.5°	375.2	378.6	376.1	377.7	383.0
145°	391.3	394.4	391.7	392.1	397.2
147.5°	405.7	408.7	405.4	405.9	410.6
150°	415.0	417.7	413.7	414.1	418.8
152.5°	423.3	425.7	421.4	421.3	426.8
155°	434.6	437.3	432.5	431.6	437.7
157.5°	444.9	447.4	442.6	442.0	446.7
160°	451.8	453.4	448.7	447.8	452.5
162.5°	456.4	458.4	453.6	452.1	456.8
165°	463.4	464.8	460.0	458.1	462.8
167.5°	469.5	471.0	464.9	463.1	468.2
170°	473.0	474.1	467.9	465.6	470.6
172.5°	475.2	476.0	469.8	467.2	470.6
175°	477.2	478.2	472.0	469.0	471.3
177.5°	477.5	478.0	473.4	470.7	474.8
180°	474.8	474.8	474.8	474.8	474.8



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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	17.78	18.75	18.63	19.62	20.71	16.68	17.65	17.53	18.52	19.61
	3H	19.44	20.30	20.30	21.18	22.30	18.22	19.08	19.08	19.96	21.08
	4H	20.07	20.89	20.95	21.77	22.90	18.80	19.61	19.67	20.50	21.63
	6H	20.48	21.23	21.37	22.12	23.26	19.17	19.93	20.06	20.82	21.96
	8H	20.63	21.35	21.53	22.26	23.40	19.32	20.03	20.22	20.94	22.08
	12H	20.71	21.39	21.61	22.29	23.46	19.38	20.07	20.29	20.97	22.14
4H	2H	18.20	19.02	19.09	19.91	21.03	17.33	18.15	18.21	19.03	20.16
	3H	20.08	20.76	20.98	21.68	22.82	19.07	19.76	19.97	20.67	21.82
	4H	20.83	21.45	21.74	22.37	23.54	19.75	20.37	20.66	21.29	22.45
	6H	21.36	21.89	22.28	22.83	24.00	20.23	20.77	21.15	21.71	22.88
	8H	21.57	22.07	22.49	23.00	24.18	20.43	20.93	21.35	21.86	23.04
	12H	21.68	22.13	22.62	23.08	24.27	20.52	20.97	21.46	21.92	23.11
8H	4H	21.00	21.50	21.92	22.43	23.61	20.03	20.53	20.96	21.47	22.65
	6H	21.64	22.06	22.59	23.03	24.21	20.64	21.06	21.59	22.03	23.21
	8H	21.94	22.30	22.89	23.27	24.47	20.92	21.28	21.88	22.25	23.45
	12H	22.11	22.44	23.08	23.39	24.64	21.07	21.40	22.03	22.35	23.60
12H	4H	20.98	21.43	21.92	22.38	23.57	20.04	20.49	20.98	21.44	22.63
	6H	21.67	22.04	22.63	23.00	24.20	20.71	21.07	21.66	22.04	23.24
	8H	22.00	22.32	22.96	23.27	24.52	21.02	21.34	21.98	22.30	23.55