

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: P1438663

Luminaire Tested: CB2-055U-055D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438663  
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: CB2-055U-055D-930-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

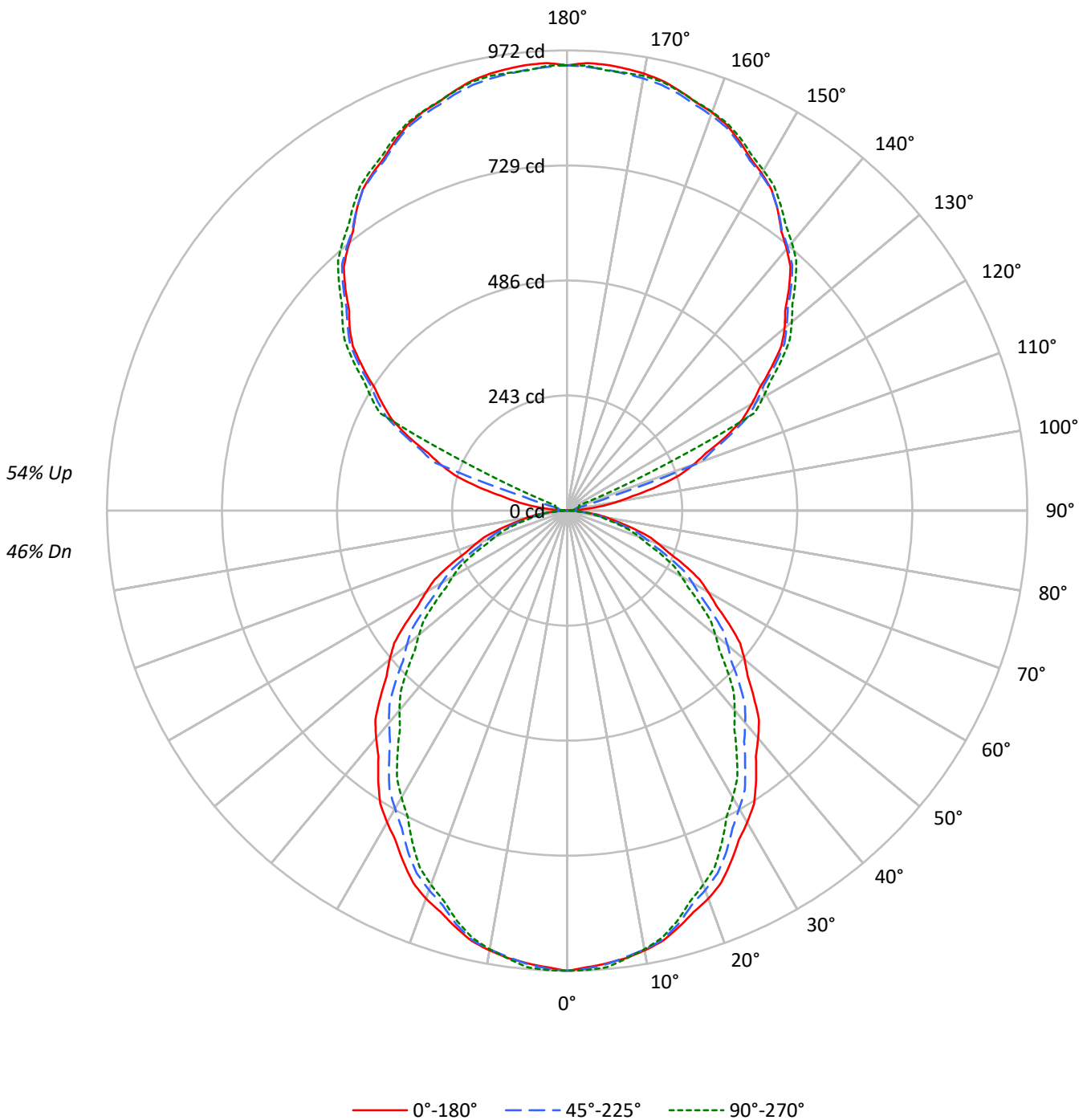
Lumens per Lamp: N/A  
Luminaire Lumens: 4948.7 lumens  
Efficiency: N/A  
Efficacy: 143.0 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 34.6  
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

TEST NUMBER: P1438663

CATALOG NUMBER: CB2-055U-055D-930-1D-UNV-STD-W-4

### 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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46				
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44	39				
2	88	81	75	70	81	75	70	65	63	59	56	51	49	46	41	39	38	33				
3	81	72	64	59	74	66	60	55	55	51	47	46	42	39	37	34	32	28				
4	74	63	56	50	68	58	52	46	49	44	40	41	37	34	33	30	28	24				
5	68	57	49	43	62	52	45	40	44	39	35	37	33	29	30	27	24	21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19				
7	58	46	38	33	53	42	36	31	36	31	27	30	26	23	25	22	19	17				
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	21	18	16	14				
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	19	16	14	12				

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

	0°	45°	90°
0°	16930	16930	16930
5°	16786	16812	16930
10°	16690	16651	16639
15°	16427	16319	16185
20°	16168	15809	15588
25°	15734	15290	14861
30°	15297	14623	14070
35°	14797	13942	13276
40°	14265	13301	12523
45°	13732	12631	11789
50°	13250	11979	11072
55°	12657	11299	10397
60°	11980	10656	9722
65°	11255	9936	9050
70°	10460	9136	8189
75°	9516	8264	7416
80°	8506	7242	6720
85°	6535	5955	4916

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13732 cd/sqm



TEST NUMBER: P1438663

CATALOG NUMBER: CB2-055U-055D-930-1D-UNV-STD-W-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.4	1.8
10°-20°	254.8	5.1
20°-30°	366.4	7.4
30°-40°	411.8	8.3
40°-50°	397.8	8.0
50°-60°	336.1	6.8
60°-70°	241.4	4.9
70°-80°	131.9	2.7
80°-90°	35.1	0.7
90°-100°	16.4	0.3
100°-110°	104.3	2.1
110°-120°	331.5	6.7
120°-130°	481.0	9.7
130°-140°	517.3	10.5
140°-150°	487.1	9.8
150°-160°	396.8	8.0
160°-170°	258.3	5.2
170°-180°	89.3	1.8
0°-30°	712.6	14.4
0°-40°	1124.4	22.7
0°-60°	1858.2	37.6
0°-90°	2266.7	45.8
90°-120°	452.2	9.1
90°-150°	1937.6	39.2
90°-180°	2682.0	54.2
0°-180°	4948.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	972	972	972	972	972	
5°	960	973	962	962	968	91
15°	911	919	905	896	898	257
25°	819	819	796	778	773	377
35°	696	688	656	630	624	435
45°	558	546	513	486	479	431
55°	417	402	372	349	342	373
65°	273	263	241	224	220	271
75°	141	133	123	113	110	151
85°	33	31	30	26	25	39
90°	0	0	0	1	1	3
95°	37	11	12	8	7	47
105°	196	203	20	24	25	206
115°	371	379	382	387	222	364
125°	526	536	536	545	552	471
135°	662	670	669	674	682	511
145°	775	781	776	777	787	485
155°	861	866	857	855	867	397
165°	918	921	911	908	917	259
175°	945	947	935	929	934	90
180°	941	941	941	941	941	

TEST NUMBER: P1438663

CATALOG NUMBER: CB2-055U-055D-930-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	972.0	972.0	972.0	972.0	972.0
2.5°	965.5	977.1	968.4	969.7	971.4
5°	960.1	973.2	961.6	961.7	968.3
7.5°	953.3	965.6	951.0	948.3	954.4
10°	943.7	956.1	941.5	936.4	940.8
12.5°	931.2	943.0	929.0	920.9	924.7
15°	911.0	919.0	905.0	896.1	897.6
17.5°	889.0	893.9	873.8	866.3	864.8
20°	872.3	876.6	852.9	842.5	841.0
22.5°	850.8	854.6	829.7	816.9	814.8
25°	818.7	819.4	795.6	777.7	773.3
27.5°	785.1	782.7	756.3	735.1	729.4
30°	760.6	757.7	727.1	704.7	699.6
32.5°	734.4	729.2	698.6	674.3	669.2
35°	695.9	687.9	655.7	630.3	624.4
37.5°	654.8	645.8	614.2	586.5	579.9
40°	627.4	617.2	585.0	557.3	550.8
42.5°	600.0	588.7	555.8	528.1	521.0
45°	557.5	545.8	512.8	485.8	478.6
47.5°	517.0	502.1	470.1	443.3	436.0
50°	489.0	473.0	442.1	415.9	408.6
52.5°	460.4	443.8	414.1	389.1	381.8
55°	416.8	401.5	372.1	348.9	342.4
57.5°	373.6	358.9	332.1	309.9	303.5
60°	343.9	331.5	305.9	284.9	279.1
62.5°	315.3	304.1	279.7	260.5	254.7
65°	273.1	263.0	241.1	223.9	219.6
67.5°	232.2	222.0	204.4	188.9	184.0
70°	205.4	195.2	179.4	165.1	160.8
72.5°	179.8	169.0	156.1	143.1	139.9
75°	141.4	132.7	122.8	113.1	110.2
77.5°	107.5	99.0	91.8	85.0	84.3
80°	84.8	77.6	72.2	67.7	67.0
82.5°	63.4	57.9	54.3	51.1	50.9
85°	32.7	30.6	29.8	26.0	24.6
87.5°	9.5	9.5	8.3	7.3	7.3
90°	0.0	0.0	0.0	0.7	0.7
92.5°	10.3	4.0	2.7	3.9	3.9
95°	37.4	10.8	11.6	7.5	6.8
97.5°	77.7	17.4	16.7	18.4	19.0
100°	108.1	35.7	18.4	21.1	21.8
102.5°	141.9	134.3	18.9	22.7	23.9
105°	195.9	203.2	20.4	23.8	25.2
107.5°	248.9	256.2	94.9	24.7	26.0
110°	284.3	291.6	300.6	25.2	26.5



TEST NUMBER: P1438663

CATALOG NUMBER: CB2-055U-055D-930-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	317.5	326.4	333.3	56.1	27.6
115°	370.7	378.6	382.2	386.6	221.7
117.5°	417.6	427.4	431.5	439.1	446.6
120°	450.2	459.6	462.5	470.1	478.1
122.5°	482.3	490.6	492.4	501.1	508.6
125°	526.4	535.7	535.9	544.9	552.3
127.5°	570.5	578.5	578.1	584.8	592.9
130°	599.9	605.2	605.3	610.9	619.6
132.5°	624.4	631.8	632.0	636.5	645.2
135°	662.4	670.4	669.2	673.5	682.2
137.5°	698.2	705.9	703.8	707.4	716.3
140°	721.6	728.3	725.0	728.6	738.6
142.5°	743.4	750.0	745.1	748.2	758.7
145°	775.3	781.3	776.0	776.9	786.9
147.5°	803.8	809.6	803.2	804.1	813.4
150°	822.3	827.6	819.6	820.4	829.8
152.5°	838.6	843.4	834.8	834.6	845.5
155°	861.0	866.4	857.0	855.2	867.2
157.5°	881.4	886.4	877.0	875.7	885.0
160°	895.0	898.4	888.9	887.1	896.4
162.5°	904.3	908.2	898.7	895.8	905.1
165°	918.2	920.8	911.4	907.5	916.8
167.5°	930.1	933.2	921.0	917.6	927.6
170°	937.2	939.2	927.0	922.5	932.5
172.5°	941.6	943.0	930.8	925.7	932.5
175°	945.4	947.4	935.2	929.2	933.8
177.5°	946.1	947.1	937.9	932.6	940.6
180°	940.6	940.6	940.6	940.6	940.6



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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	16.43	17.24	17.42	18.25	19.58	15.33	16.14	16.32	17.15	18.48
	3H	18.07	18.80	19.07	19.81	21.16	16.85	17.58	17.86	18.60	19.95
	4H	18.70	19.39	19.71	20.40	21.76	17.42	18.11	18.44	19.13	20.49
	6H	19.10	19.73	20.12	20.75	22.12	17.79	18.43	18.82	19.45	20.82
	8H	19.24	19.85	20.28	20.89	22.25	17.93	18.54	18.97	19.57	20.94
	12H	19.31	19.89	20.35	20.92	22.31	17.99	18.57	19.03	19.60	20.99
4H	2H	16.83	17.52	17.86	18.54	19.90	15.96	16.65	16.98	17.66	19.02
	3H	18.70	19.27	19.73	20.32	21.69	17.69	18.26	18.72	19.31	20.68
	4H	19.44	19.97	20.48	21.00	22.40	18.36	18.89	19.40	19.92	21.32
	6H	19.96	20.41	21.01	21.47	22.86	18.83	19.29	19.88	20.35	21.74
	8H	20.16	20.58	21.21	21.64	23.04	19.02	19.44	20.07	20.50	21.90
	12H	20.26	20.65	21.33	21.71	23.13	19.11	19.49	20.18	20.56	21.97
8H	4H	19.59	20.02	20.64	21.07	22.48	18.63	19.05	19.68	20.11	21.51
	6H	20.23	20.58	21.31	21.68	23.08	19.23	19.58	20.31	20.68	22.08
	8H	20.52	20.83	21.60	21.91	23.33	19.51	19.81	20.59	20.89	22.32
	12H	20.70	20.97	21.78	22.04	23.50	19.65	19.92	20.74	21.00	22.46
12H	4H	19.57	19.95	20.64	21.02	22.43	18.63	19.01	19.70	20.08	21.49
	6H	20.26	20.57	21.34	21.65	23.07	19.29	19.60	20.38	20.68	22.10
	8H	20.58	20.85	21.66	21.92	23.38	19.60	19.87	20.68	20.94	22.41