

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: P1438659

Luminaire Tested: CB2-055U-055D-840-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438659  
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-840-1D-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: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

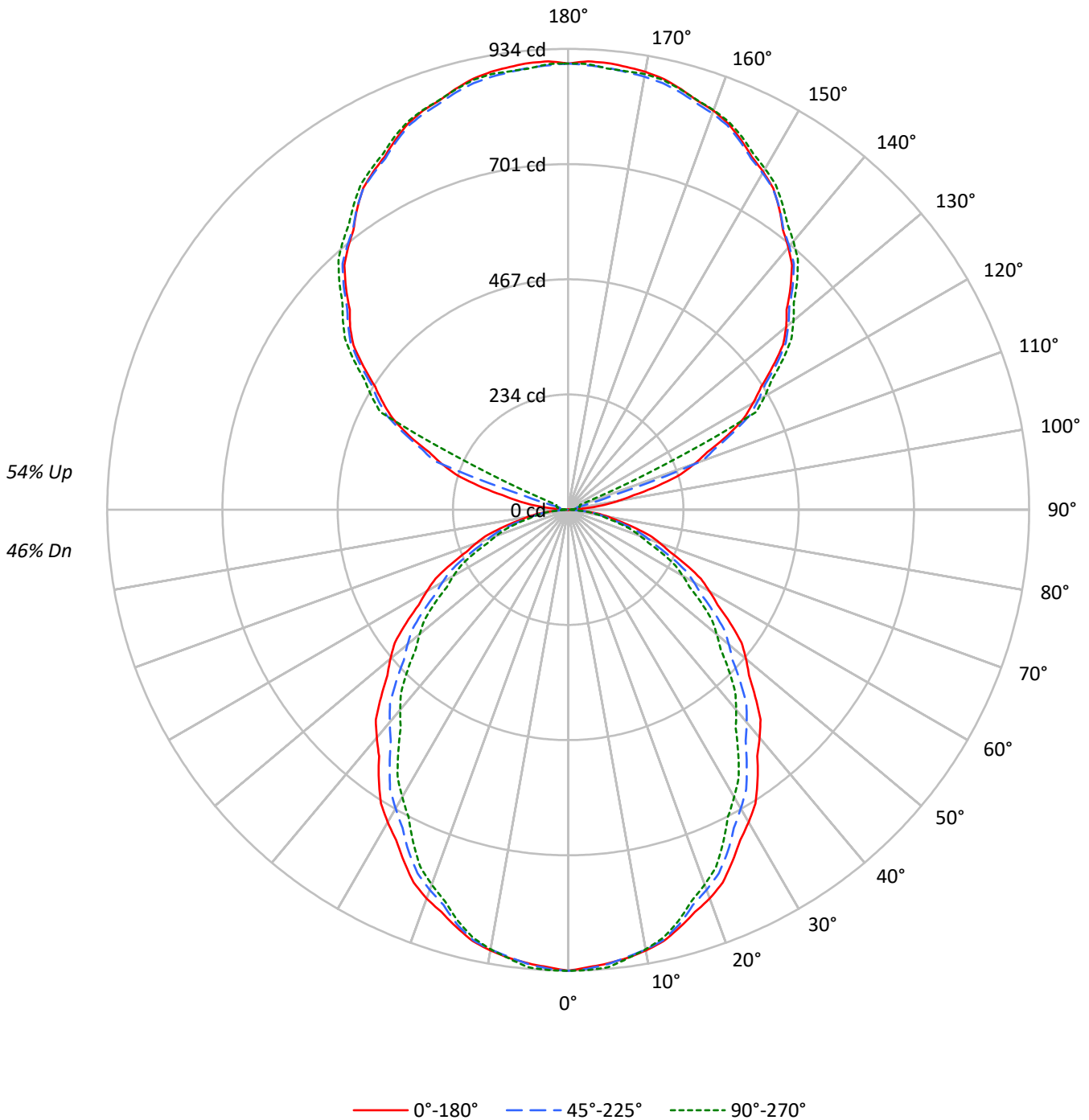
Lumens per Lamp: N/A  
Luminaire Lumens: 4757.8 lumens  
Efficiency: N/A  
Efficacy: 137.5 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 34.6  
Input Voltage (V): 120  
Input Current (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					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°	16277	16277	16277
5°	16139	16164	16276
10°	16047	16009	15997
15°	15792	15689	15561
20°	15544	15199	14988
25°	15126	14700	14289
30°	14708	14060	13527
35°	14225	13404	12764
40°	13715	12787	12039
45°	13200	12143	11333
50°	12738	11516	10644
55°	12168	10865	9997
60°	11516	10245	9346
65°	10823	9553	8700
70°	10058	8779	7873
75°	9152	7948	7127
80°	8185	6961	6459
85°	6295	5715	4716

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13200 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.9	1.8
10°-20°	245.0	5.1
20°-30°	352.2	7.4
30°-40°	395.9	8.3
40°-50°	382.4	8.0
50°-60°	323.1	6.8
60°-70°	232.1	4.9
70°-80°	126.9	2.7
80°-90°	33.7	0.7
90°-100°	15.8	0.3
100°-110°	100.3	2.1
110°-120°	318.7	6.7
120°-130°	462.5	9.7
130°-140°	497.4	10.5
140°-150°	468.3	9.8
150°-160°	381.5	8.0
160°-170°	248.3	5.2
170°-180°	85.8	1.8
0°-30°	685.1	14.4
0°-40°	1081.0	22.7
0°-60°	1786.5	37.5
0°-90°	2179.2	45.8
90°-120°	434.8	9.1
90°-150°	1862.9	39.2
90°-180°	2579.0	54.2
0°-180°	4757.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	934	934	934	934	934	
5°	923	936	924	925	931	88
15°	876	884	870	862	863	247
25°	787	788	765	748	744	362
35°	669	661	630	606	600	418
45°	536	525	493	467	460	414
55°	401	386	358	336	329	358
65°	263	253	232	215	211	260
75°	136	128	118	109	106	145
85°	32	29	29	25	24	37
90°	0	0	0	1	1	3
95°	36	10	11	7	6	46
105°	188	195	20	23	24	198
115°	356	364	368	372	213	350
125°	506	515	515	524	531	452
135°	637	645	643	648	656	491
145°	745	751	746	747	756	466
155°	828	833	824	822	834	382
165°	883	885	876	872	881	249
175°	909	911	899	893	898	86
180°	904	904	904	904	904	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	934.5	934.5	934.5	934.5	934.5
2.5°	928.2	939.4	931.1	932.3	933.9
5°	923.1	935.7	924.5	924.6	930.9
7.5°	916.5	928.4	914.3	911.7	917.6
10°	907.3	919.2	905.2	900.3	904.5
12.5°	895.3	906.6	893.2	885.4	889.0
15°	875.8	883.5	870.1	861.6	863.0
17.5°	854.7	859.4	840.1	832.9	831.5
20°	838.6	842.8	820.0	810.0	808.6
22.5°	818.0	821.7	797.7	785.3	783.4
25°	787.1	787.8	764.9	747.7	743.5
27.5°	754.8	752.5	727.1	706.7	701.2
30°	731.3	728.5	699.1	677.5	672.6
32.5°	706.1	701.1	671.6	648.3	643.4
35°	669.0	661.3	630.4	605.9	600.3
37.5°	629.5	620.9	590.5	563.9	557.6
40°	603.2	593.4	562.4	535.8	529.5
42.5°	576.9	566.0	534.4	507.7	500.9
45°	535.9	524.8	493.0	467.1	460.1
47.5°	497.0	482.8	451.9	426.2	419.2
50°	470.1	454.7	425.0	399.8	392.8
52.5°	442.6	426.7	398.1	374.1	367.1
55°	400.7	386.0	357.8	335.5	329.2
57.5°	359.2	345.1	319.3	298.0	291.8
60°	330.6	318.7	294.1	273.9	268.3
62.5°	303.1	292.3	268.9	250.5	244.9
65°	262.6	252.8	231.8	215.3	211.1
67.5°	223.3	213.5	196.5	181.6	176.9
70°	197.5	187.7	172.4	158.8	154.6
72.5°	172.9	162.5	150.1	137.6	134.5
75°	136.0	127.6	118.1	108.7	105.9
77.5°	103.3	95.2	88.3	81.7	81.0
80°	81.6	74.6	69.4	65.1	64.4
82.5°	61.0	55.6	52.2	49.1	48.9
85°	31.5	29.4	28.6	25.0	23.6
87.5°	9.2	9.2	8.0	7.0	7.0
90°	0.0	0.0	0.0	0.7	0.7
92.5°	9.9	3.8	2.6	3.8	3.8
95°	36.0	10.4	11.1	7.2	6.5
97.5°	74.7	16.7	16.1	17.7	18.3
100°	104.0	34.3	17.7	20.3	20.9
102.5°	136.4	129.1	18.2	21.9	23.0
105°	188.3	195.4	19.6	22.9	24.2
107.5°	239.3	246.4	91.3	23.7	25.0
110°	273.3	280.4	289.0	24.2	25.5

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	305.2	313.8	320.4	53.9	26.5
115°	356.4	364.0	367.5	371.7	213.2
117.5°	401.5	410.9	414.8	422.2	429.3
120°	432.9	441.8	444.6	452.0	459.7
122.5°	463.7	471.7	473.4	481.8	489.0
125°	506.1	515.1	515.3	523.9	531.0
127.5°	548.5	556.2	555.8	562.3	570.1
130°	576.7	581.8	582.0	587.4	595.7
132.5°	600.3	607.4	607.6	612.0	620.3
135°	636.9	644.6	643.4	647.5	655.8
137.5°	671.3	678.7	676.6	680.1	688.7
140°	693.8	700.2	697.0	700.5	710.1
142.5°	714.7	721.1	716.4	719.4	729.5
145°	745.4	751.2	746.1	747.0	756.5
147.5°	772.8	778.4	772.2	773.1	782.0
150°	790.5	795.7	787.9	788.8	797.7
152.5°	806.2	810.8	802.6	802.4	812.9
155°	827.8	832.9	823.9	822.2	833.7
157.5°	847.4	852.2	843.1	841.9	850.8
160°	860.5	863.7	854.6	852.9	861.8
162.5°	869.4	873.1	864.0	861.2	870.2
165°	882.7	885.3	876.2	872.5	881.4
167.5°	894.3	897.2	885.5	882.2	891.8
170°	901.1	903.0	891.2	886.9	896.5
172.5°	905.2	906.6	894.9	890.0	896.5
175°	908.9	910.8	899.1	893.3	897.8
177.5°	909.6	910.6	901.7	896.7	904.3
180°	904.3	904.3	904.3	904.3	904.3



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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	16.29	17.11	17.29	18.11	19.44	15.19	16.01	16.19	17.01	18.34
	3H	17.93	18.66	18.94	19.68	21.03	16.72	17.45	17.72	18.46	19.81
	4H	18.56	19.25	19.58	20.27	21.63	17.29	17.98	18.31	18.99	20.35
	6H	18.96	19.60	19.99	20.62	21.99	17.66	18.29	18.68	19.31	20.69
	8H	19.11	19.71	20.14	20.75	22.12	17.80	18.40	18.83	19.44	20.81
	12H	19.18	19.75	20.22	20.79	22.18	17.86	18.43	18.89	19.46	20.85
4H	2H	16.69	17.39	17.72	18.40	19.76	15.82	16.51	16.84	17.53	18.89
	3H	18.56	19.14	19.59	20.18	21.55	17.55	18.13	18.58	19.17	20.55
	4H	19.30	19.83	20.34	20.87	22.26	18.22	18.75	19.26	19.79	21.18
	6H	19.82	20.27	20.87	21.33	22.73	18.70	19.15	19.75	20.21	21.60
	8H	20.03	20.45	21.08	21.50	22.91	18.88	19.31	19.93	20.36	21.77
	12H	20.13	20.51	21.20	21.58	22.99	18.97	19.35	20.04	20.42	21.83
8H	4H	19.46	19.88	20.51	20.93	22.34	18.49	18.92	19.54	19.97	21.38
	6H	20.10	20.45	21.17	21.54	22.94	19.10	19.44	20.17	20.54	21.94
	8H	20.39	20.69	21.47	21.77	23.20	19.37	19.68	20.45	20.76	22.18
	12H	20.56	20.83	21.64	21.90	23.37	19.52	19.79	20.60	20.86	22.33
12H	4H	19.43	19.82	20.50	20.88	22.30	18.49	18.88	19.56	19.94	21.36
	6H	20.13	20.43	21.21	21.51	22.93	19.16	19.46	20.24	20.54	21.97
	8H	20.44	20.71	21.52	21.78	23.25	19.46	19.73	20.55	20.81	22.27