

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: P1438798

Luminaire Tested: CB2-125U-030D-840-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438798  
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: CB2-125U-030D-840-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

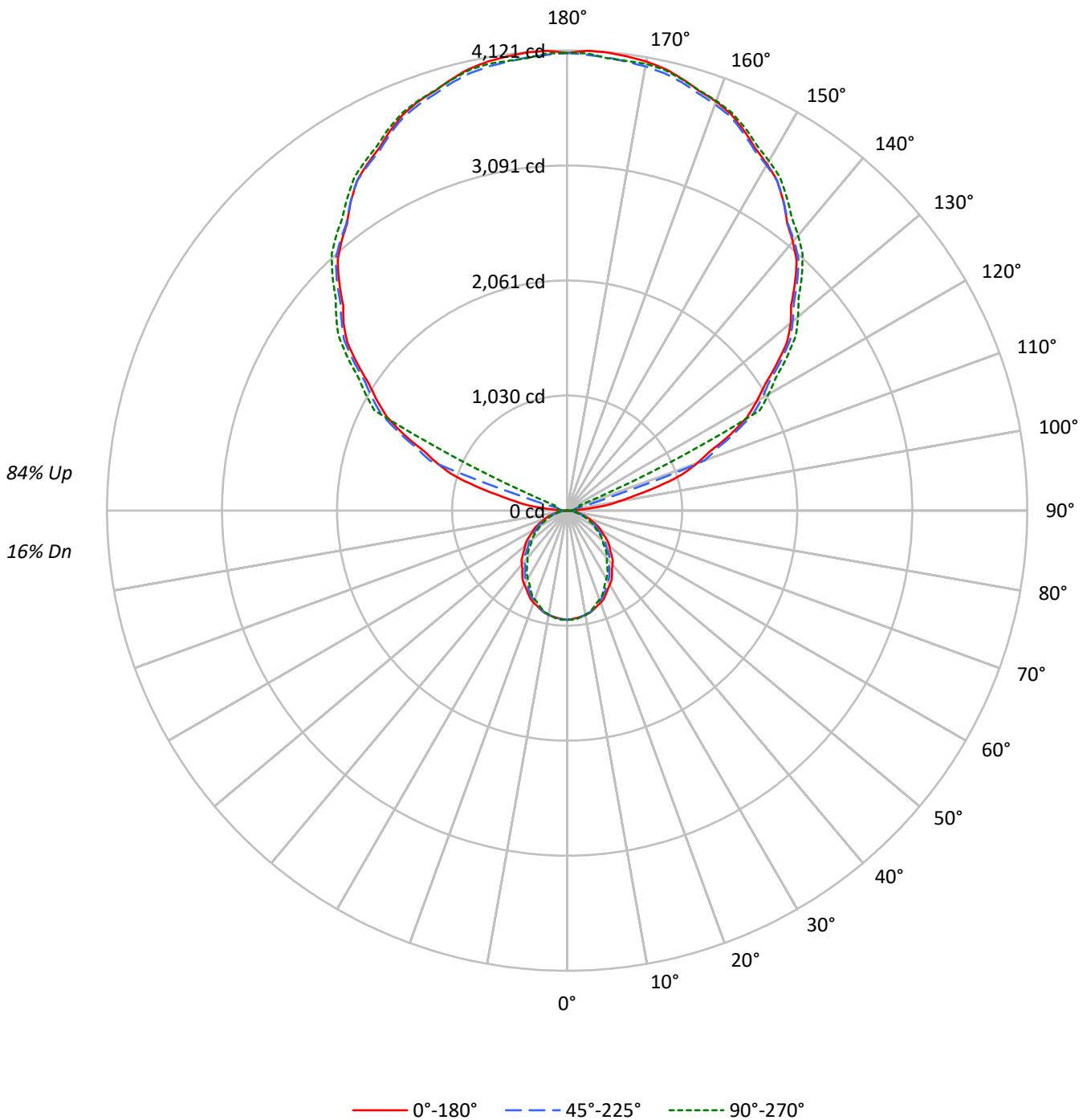
Lumens per Lamp: N/A  
Luminaire Lumens: 13965.7 lumens  
Efficiency: N/A  
Efficacy: 122.2 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 114.3  
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: P1438798

CATALOG NUMBER: CB2-125U-030D-840-1D-UNV-STD-W-8

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									70									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	99	99	99	99	87	87	87	87	65	65	65	44	44	44	25	25	25	16																			
1	90	86	83	79	79	76	73	70	57	55	53	39	38	37	22	22	21	14																			
2	82	75	70	65	72	66	62	58	50	46	44	34	32	31	20	19	18	12																			
3	75	66	59	54	66	58	53	48	44	40	37	30	28	26	17	16	15	10																			
4	68	58	51	45	60	52	45	41	39	35	31	27	24	22	16	14	13	9																			
5	63	52	44	39	55	46	39	35	34	30	27	24	21	19	14	13	12	8																			
6	58	46	39	33	50	41	35	30	31	26	23	22	19	17	13	11	10	7																			
7	53	42	34	29	47	37	30	26	28	23	20	19	17	15	12	10	9	6																			
8	49	38	30	25	43	33	27	23	25	21	18	18	15	13	11	9	8	5																			
9	46	34	27	22	40	30	24	20	23	19	16	16	13	11	10	8	7	5																			
10	42	31	24	20	37	28	22	18	21	17	14	15	12	10	9	8	7	4																			

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

	0°	45°	90°
0°	8521	8521	8521
5°	8448	8461	8520
10°	8400	8380	8373
15°	8267	8213	8145
20°	8137	7956	7845
25°	7918	7695	7479
30°	7699	7360	7081
35°	7446	7017	6682
40°	7179	6694	6303
45°	6910	6356	5933
50°	6668	6029	5572
55°	6369	5688	5232
60°	6028	5363	4893
65°	5665	5001	4554
70°	5266	4596	4120
75°	4788	4159	3732
80°	4283	3646	3380
85°	3297	2998	2468

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6910 cd/sqm



TEST NUMBER: P1438798

CATALOG NUMBER: CB2-125U-030D-840-1D-UNV-STD-W-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.0	0.7
10°-20°	256.5	1.8
20°-30°	368.8	2.6
30°-40°	414.5	3.0
40°-50°	400.4	2.9
50°-60°	338.3	2.4
60°-70°	243.0	1.7
70°-80°	132.8	1.0
80°-90°	35.5	0.3
90°-100°	71.4	0.5
100°-110°	454.5	3.3
110°-120°	1444.1	10.3
120°-130°	2095.6	15.0
130°-140°	2253.7	16.1
140°-150°	2122.0	15.2
150°-160°	1728.6	12.4
160°-170°	1125.2	8.1
170°-180°	388.9	2.8
0°-30°	717.2	5.1
0°-40°	1131.7	8.1
0°-60°	1870.4	13.4
0°-90°	2281.7	16.3
90°-120°	1970.0	14.1
90°-150°	8441.3	60.4
90°-180°	11684.0	83.7
0°-180°	13965.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	978	978	978	978	978	
5°	966	980	968	968	975	92
15°	917	925	911	902	903	258
25°	824	825	801	783	778	379
35°	700	692	660	634	628	438
45°	561	549	516	489	482	433
55°	420	404	375	351	345	375
65°	275	265	243	225	221	273
75°	142	134	124	114	111	152
85°	33	31	30	26	25	39
90°	0	0	0	3	3	7
95°	163	47	50	32	30	206
105°	853	885	89	104	110	899
115°	1615	1650	1665	1684	966	1587
125°	2293	2334	2335	2374	2406	2050
135°	2886	2921	2916	2934	2972	2225
145°	3378	3404	3381	3385	3428	2111
155°	3751	3774	3733	3726	3778	1729
165°	4000	4012	3970	3953	3994	1130
175°	4118	4127	4074	4048	4068	392
180°	4098	4098	4098	4098	4098	

TEST NUMBER: P1438798

CATALOG NUMBER: CB2-125U-030D-840-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	978.4	978.4	978.4	978.4	978.4
2.5°	971.8	983.5	974.8	976.0	977.8
5°	966.4	979.6	967.9	968.0	974.6
7.5°	959.5	971.9	957.2	954.5	960.7
10°	949.9	962.3	947.6	942.5	946.9
12.5°	937.3	949.2	935.1	926.9	930.7
15°	916.9	925.0	910.9	902.0	903.4
17.5°	894.8	899.7	879.5	872.0	870.5
20°	878.0	882.4	858.5	848.0	846.5
22.5°	856.4	860.2	835.1	822.2	820.1
25°	824.0	824.8	800.8	782.7	778.3
27.5°	790.2	787.8	761.3	739.9	734.1
30°	765.6	762.7	731.9	709.3	704.2
32.5°	739.2	734.0	703.1	678.7	673.6
35°	700.4	692.4	660.0	634.4	628.5
37.5°	659.1	650.0	618.2	590.3	583.7
40°	631.5	621.3	588.8	560.9	554.4
42.5°	603.9	592.5	559.4	531.6	524.4
45°	561.1	549.4	516.1	489.0	481.7
47.5°	520.3	505.4	473.1	446.2	438.8
50°	492.2	476.1	445.0	418.6	411.3
52.5°	463.4	446.7	416.8	391.6	384.3
55°	419.5	404.1	374.6	351.2	344.6
57.5°	376.1	361.3	334.3	311.9	305.5
60°	346.1	333.6	307.9	286.8	280.9
62.5°	317.3	306.1	281.5	262.2	256.4
65°	274.9	264.7	242.7	225.4	221.0
67.5°	233.7	223.5	205.7	190.2	185.2
70°	206.8	196.5	180.5	166.2	161.8
72.5°	181.0	170.1	157.2	144.1	140.8
75°	142.3	133.5	123.6	113.8	110.9
77.5°	108.2	99.7	92.4	85.5	84.8
80°	85.4	78.1	72.7	68.2	67.4
82.5°	63.8	58.3	54.7	51.4	51.2
85°	33.0	30.8	30.0	26.2	24.7
87.5°	9.6	9.6	8.4	7.8	7.8
90°	0.0	0.0	0.0	3.0	3.0
92.5°	45.0	17.2	11.9	17.2	17.2
95°	163.0	47.1	50.4	32.5	29.6
97.5°	338.4	75.9	72.9	80.1	83.0
100°	471.1	155.3	80.0	91.9	94.8
102.5°	618.1	585.0	82.4	99.1	104.3
105°	853.3	885.2	88.9	103.8	109.6
107.5°	1084.4	1116.3	413.6	107.4	113.2
110°	1238.5	1270.4	1309.6	109.8	115.6



TEST NUMBER: P1438798

CATALOG NUMBER: CB2-125U-030D-840-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1383.1	1421.9	1451.8	244.3	120.3
115°	1614.8	1649.6	1665.2	1684.4	965.9
117.5°	1819.2	1862.1	1879.7	1913.0	1945.4
120°	1961.4	2002.0	2014.8	2048.2	2082.9
122.5°	2101.3	2137.2	2145.1	2183.2	2215.7
125°	2293.3	2333.9	2334.8	2374.0	2405.9
127.5°	2485.3	2520.1	2518.5	2547.7	2583.1
130°	2613.3	2636.5	2637.0	2661.6	2699.2
132.5°	2720.0	2752.4	2753.1	2773.0	2810.6
135°	2885.9	2920.6	2915.5	2934.1	2971.8
137.5°	3041.7	3075.3	3066.0	3081.7	3120.5
140°	3143.6	3172.6	3158.5	3174.3	3217.7
142.5°	3238.5	3267.4	3246.2	3259.7	3305.4
145°	3377.7	3403.8	3380.7	3384.6	3428.1
147.5°	3501.6	3527.1	3499.2	3503.1	3543.6
150°	3582.2	3605.3	3570.3	3574.2	3614.8
152.5°	3653.3	3674.1	3636.7	3636.0	3683.5
155°	3751.0	3774.2	3733.3	3725.6	3777.7
157.5°	3839.9	3861.4	3820.4	3814.8	3855.3
160°	3899.2	3913.7	3872.5	3864.6	3905.1
162.5°	3939.5	3956.3	3915.2	3902.5	3943.0
165°	3999.9	4011.5	3970.3	3953.4	3994.0
167.5°	4052.1	4065.4	4012.4	3997.4	4040.8
170°	4082.9	4091.6	4038.4	4018.7	4062.2
172.5°	4101.9	4108.2	4055.0	4032.6	4062.2
175°	4118.4	4127.1	4074.0	4047.8	4068.1
177.5°	4121.4	4126.0	4085.9	4062.9	4097.7
180°	4097.7	4097.7	4097.7	4097.7	4097.7

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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	9.84	10.46	11.05	11.64	13.32	8.74	9.36	9.94	10.54	12.22
	3H	11.47	12.02	12.68	13.21	14.91	10.25	10.81	11.46	11.99	13.69
	4H	12.09	12.61	13.30	13.80	15.50	10.81	11.34	12.03	12.53	14.23
	6H	12.48	12.96	13.70	14.15	15.86	11.17	11.66	12.39	12.84	14.56
	8H	12.62	13.08	13.84	14.28	15.98	11.31	11.77	12.53	12.97	14.67
	12H	12.68	13.12	13.91	14.32	16.04	11.36	11.80	12.59	12.99	14.72
4H	2H	10.22	10.75	11.45	11.94	13.64	9.35	9.87	10.57	11.06	12.76
	3H	12.07	12.51	13.30	13.72	15.43	11.06	11.50	12.29	12.71	14.42
	4H	12.80	13.21	14.03	14.41	16.14	11.72	12.13	12.95	13.33	15.06
	6H	13.31	13.66	14.54	14.88	16.59	12.18	12.53	13.41	13.75	15.47
	8H	13.51	13.83	14.74	15.04	16.78	12.37	12.69	13.60	13.90	15.64
	12H	13.60	13.90	14.85	15.12	16.86	12.45	12.74	13.69	13.96	15.70
8H	4H	12.94	13.26	14.17	14.48	16.21	11.98	12.30	13.20	13.51	15.25
	6H	13.57	13.84	14.82	15.09	16.82	12.57	12.84	13.82	14.09	15.82
	8H	13.86	14.09	15.11	15.32	17.07	12.85	13.08	14.09	14.30	16.06
	12H	14.03	14.23	15.28	15.46	17.24	12.98	13.19	14.24	14.41	16.19
12H	4H	12.91	13.20	14.15	14.42	16.16	11.97	12.26	13.21	13.48	15.22
	6H	13.60	13.83	14.85	15.06	16.81	12.63	12.86	13.88	14.09	15.84
	8H	13.91	14.11	15.16	15.34	17.12	12.93	13.13	14.18	14.36	16.14