

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: P1438840

Luminaire Tested: CB2-125U-120D-840-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438840  
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-120D-840-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

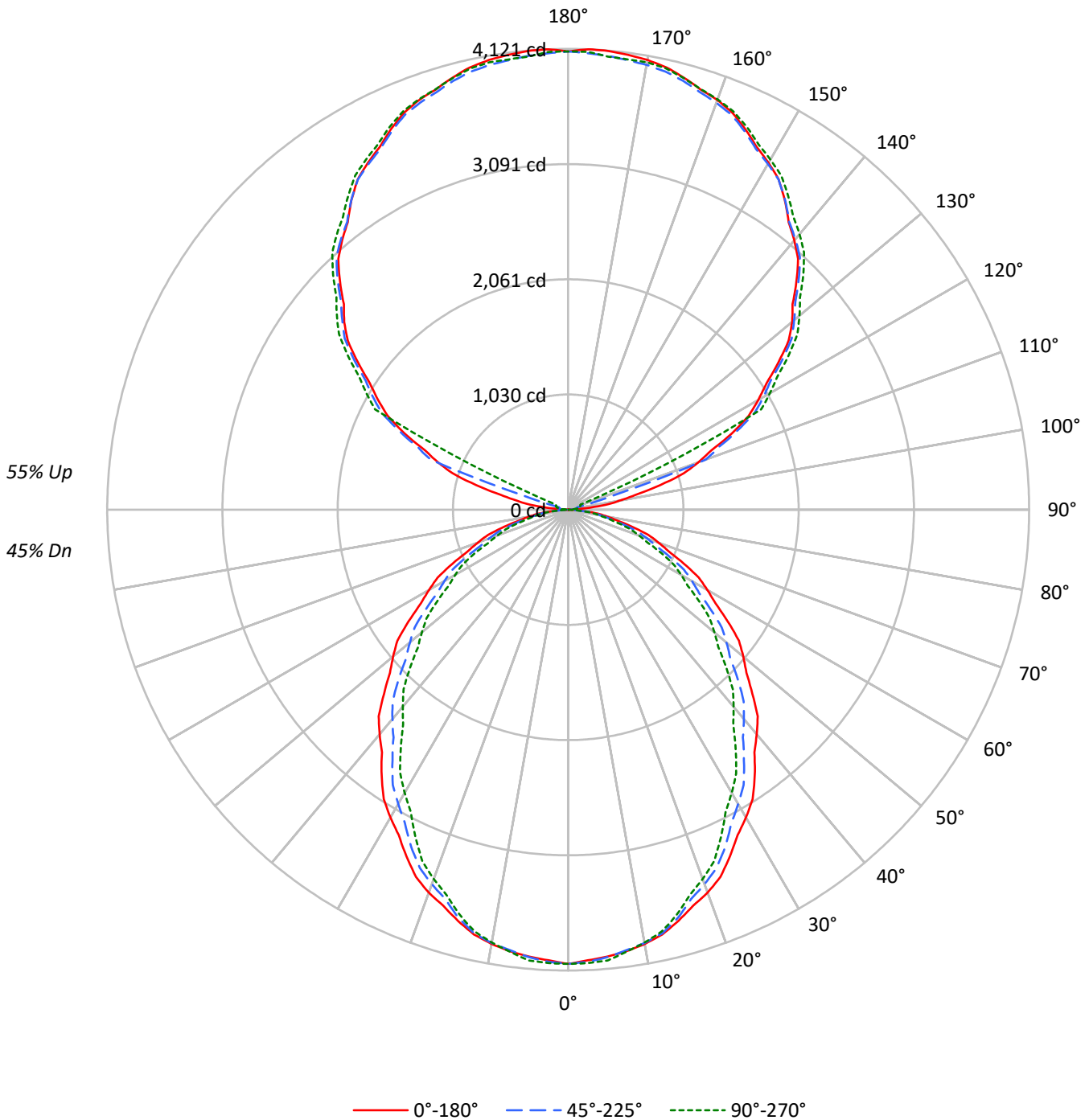
Lumens per Lamp: N/A  
Luminaire Lumens: 21154.5 lumens  
Efficiency: N/A  
Efficacy: 114.8 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 184.3  
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

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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	80	80	80	65	65	65	51	51	51	45				
1	97	93	89	85	89	85	82	79	71	68	66	58	56	55	46	45	44	38				
2	88	81	75	70	81	74	69	65	62	58	55	51	48	46	40	39	37	32				
3	81	71	64	58	74	66	59	54	55	50	47	45	42	39	36	34	32	27				
4	74	63	55	50	67	58	51	46	49	44	40	40	37	34	32	30	27	24				
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24	21				
6	62	51	43	37	57	47	40	35	40	34	30	33	29	26	26	23	21	18				
7	58	46	38	32	53	42	35	30	36	30	27	30	26	23	24	21	19	16				
8	54	41	34	29	49	38	32	27	33	27	24	27	23	20	22	19	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	21	18	15	13				
10	47	35	28	23	43	32	26	22	28	23	19	23	19	17	19	16	14	12				

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

	0°	45°	90°
0°	35368	35368	35368
5°	35067	35122	35366
10°	34868	34786	34758
15°	34316	34092	33811
20°	33776	33026	32565
25°	32868	31942	31046
30°	31958	30551	29393
35°	30911	29126	27737
40°	29801	27787	26160
45°	28685	26387	24626
50°	27679	25025	23130
55°	26440	23607	21718
60°	25022	22261	20310
65°	23516	20761	18902
70°	21854	19082	17103
75°	19879	17265	15485
80°	17779	15126	14037
85°	13669	12430	10252

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 28685 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	381.9	1.8
10°-20°	1064.6	5.0
20°-30°	1530.7	7.2
30°-40°	1720.5	8.1
40°-50°	1662.0	7.9
50°-60°	1404.2	6.6
60°-70°	1008.6	4.8
70°-80°	551.3	2.6
80°-90°	146.6	0.7
90°-100°	71.4	0.3
100°-110°	454.5	2.1
110°-120°	1444.1	6.8
120°-130°	2095.6	9.9
130°-140°	2253.7	10.7
140°-150°	2122.0	10.0
150°-160°	1728.6	8.2
160°-170°	1125.2	5.3
170°-180°	388.9	1.8
0°-30°	2977.2	14.1
0°-40°	4697.7	22.2
0°-60°	7763.9	36.7
0°-90°	9470.4	44.8
90°-120°	1970.0	9.3
90°-150°	8441.3	39.9
90°-180°	11684.0	55.2
0°-180°	21154.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4061	4061	4061	4061	4061	
5°	4011	4066	4018	4018	4046	381
15°	3806	3840	3781	3744	3750	1073
25°	3421	3424	3324	3249	3231	1575
35°	2908	2874	2740	2633	2609	1816
45°	2329	2280	2142	2030	2000	1799
55°	1741	1678	1555	1458	1430	1557
65°	1141	1099	1008	936	917	1132
75°	591	554	513	472	460	632
85°	137	128	124	109	103	163
90°	0	0	0	3	3	12
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	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4061.2	4061.2	4061.2	4061.2	4061.2
2.5°	4033.8	4082.4	4046.2	4051.4	4058.7
5°	4011.4	4066.1	4017.6	4018.3	4045.6
7.5°	3982.8	4034.5	3973.5	3962.2	3987.8
10°	3943.0	3994.7	3933.7	3912.3	3930.6
12.5°	3890.8	3940.0	3881.4	3847.6	3863.4
15°	3806.2	3839.6	3781.3	3744.1	3750.2
17.5°	3714.1	3734.8	3650.7	3619.5	3613.4
20°	3644.5	3662.7	3563.6	3520.0	3513.9
22.5°	3554.9	3570.7	3466.6	3412.9	3404.4
25°	3420.6	3423.6	3324.2	3249.1	3230.9
27.5°	3280.0	3270.3	3160.0	3071.1	3047.4
30°	3178.0	3165.9	3038.1	2944.3	2923.0
32.5°	3068.6	3046.7	2918.7	2817.5	2796.2
35°	2907.5	2874.0	2739.6	2633.3	2609.0
37.5°	2735.8	2698.1	2566.1	2450.4	2423.0
40°	2621.4	2578.8	2444.2	2328.5	2301.1
42.5°	2507.0	2459.5	2322.3	2206.5	2176.7
45°	2329.1	2280.5	2142.5	2029.9	1999.5
47.5°	2159.9	2097.9	1964.0	1852.0	1821.6
50°	2043.0	1976.1	1847.1	1737.6	1707.2
52.5°	1923.6	1854.3	1730.2	1625.6	1595.2
55°	1741.4	1677.5	1554.8	1457.8	1430.4
57.5°	1561.0	1499.6	1387.5	1294.9	1268.1
60°	1436.6	1385.0	1278.1	1190.4	1166.1
62.5°	1317.2	1270.4	1168.6	1088.4	1064.1
65°	1141.2	1098.7	1007.5	935.6	917.3
67.5°	970.2	927.6	853.9	789.4	768.7
70°	858.3	815.7	749.4	689.9	671.7
72.5°	751.3	706.3	652.4	598.0	584.6
75°	590.8	554.3	513.1	472.4	460.2
77.5°	449.0	413.8	383.7	355.0	352.0
80°	354.5	324.1	301.6	282.9	279.9
82.5°	264.9	241.8	227.0	213.3	212.7
85°	136.8	127.7	124.4	108.7	102.6
87.5°	39.8	39.8	34.8	30.4	30.4
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



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**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	18.88	19.69	19.89	20.70	22.05	17.78	18.59	18.79	19.60	20.95
	3H	20.53	21.25	21.54	22.27	23.63	19.31	20.03	20.32	21.05	22.42
	4H	21.15	21.83	22.18	22.86	24.23	19.88	20.56	20.91	21.59	22.96
	6H	21.55	22.18	22.59	23.21	24.59	20.25	20.88	21.28	21.91	23.29
	8H	21.70	22.30	22.74	23.34	24.72	20.39	20.99	21.43	22.03	23.41
	12H	21.77	22.34	22.82	23.38	24.78	20.45	21.02	21.49	22.06	23.46
4H	2H	19.29	19.97	20.32	20.99	22.37	18.41	19.10	19.44	20.12	21.49
	3H	21.15	21.72	22.19	22.77	24.16	20.14	20.71	21.18	21.76	23.15
	4H	21.89	22.42	22.94	23.46	24.87	20.81	21.34	21.86	22.38	23.79
	6H	22.41	22.86	23.47	23.93	25.33	21.29	21.73	22.34	22.80	24.21
	8H	22.61	23.03	23.67	24.09	25.51	21.47	21.89	22.53	22.95	24.37
	12H	22.72	23.10	23.79	24.17	25.60	21.56	21.94	22.64	23.01	24.44
8H	4H	22.05	22.47	23.10	23.53	24.94	21.08	21.50	22.14	22.56	23.98
	6H	22.69	23.03	23.77	24.13	25.55	21.69	22.03	22.77	23.13	24.55
	8H	22.98	23.28	24.06	24.37	25.80	21.96	22.26	23.05	23.35	24.78
	12H	23.15	23.42	24.24	24.50	25.97	22.11	22.37	23.20	23.45	24.93
12H	4H	22.02	22.40	23.10	23.48	24.90	21.08	21.46	22.16	22.54	23.96
	6H	22.71	23.02	23.80	24.10	25.54	21.75	22.05	22.84	23.14	24.57
	8H	23.03	23.30	24.12	24.38	25.85	22.05	22.32	23.14	23.40	24.88