

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: P1439316

Luminaire Tested: CB3-125U-030D-835-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439316  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-125U-030D-835-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

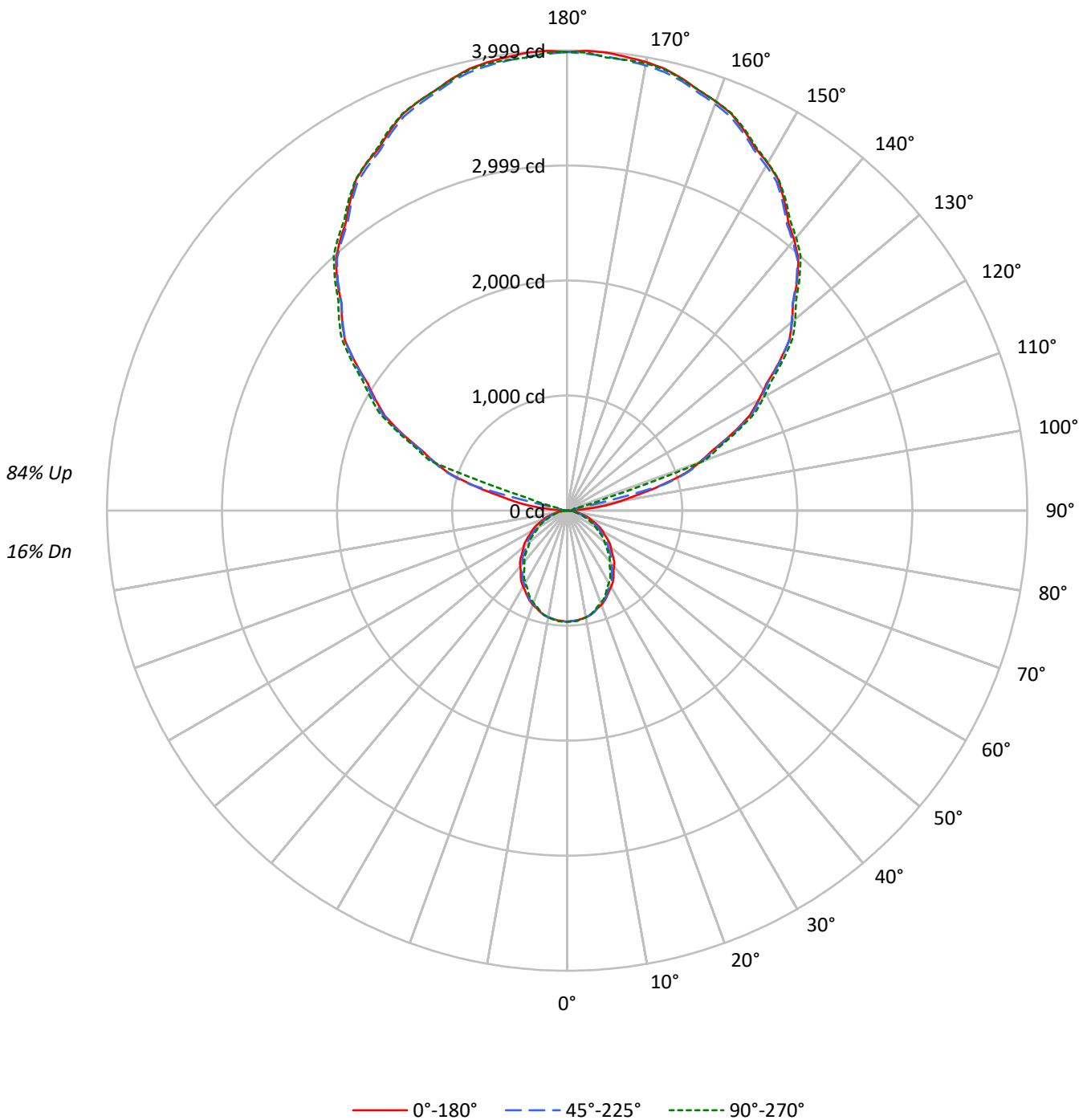
Lumens per Lamp: N/A  
Luminaire Lumens: 14072.6 lumens  
Efficiency: N/A  
Efficacy: 128.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 109.3  
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										
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	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	18	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°	5463	5463	5463
5°	5438	5442	5473
10°	5414	5406	5406
15°	5331	5331	5299
20°	5244	5191	5145
25°	5112	5048	4958
30°	4987	4857	4741
35°	4855	4676	4510
40°	4681	4458	4265
45°	4522	4264	4000
50°	4358	4033	3742
55°	4181	3809	3497
60°	3988	3578	3220
65°	3764	3314	2929
70°	3505	3007	2610
75°	3178	2638	2324
80°	2769	2212	2056
85°	2136	1869	1869

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4522 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.1	0.6
10°-20°	256.0	1.8
20°-30°	371.9	2.6
30°-40°	422.9	3.0
40°-50°	410.5	2.9
50°-60°	346.6	2.5
60°-70°	246.6	1.8
70°-80°	131.7	0.9
80°-90°	34.9	0.2
90°-100°	92.0	0.7
100°-110°	666.4	4.7
110°-120°	1584.4	11.3
120°-130°	2024.2	14.4
130°-140°	2183.4	15.5
140°-150°	2058.4	14.6
150°-160°	1679.1	11.9
160°-170°	1094.1	7.8
170°-180°	378.2	2.7
0°-30°	719.0	5.1
0°-40°	1141.9	8.1
0°-60°	1899.0	13.5
0°-90°	2312.2	16.4
90°-120°	2342.9	16.6
90°-150°	8608.9	61.2
90°-180°	11760.0	83.6
0°-180°	14072.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	966	966	966	966	966	
5°	958	970	958	957	964	91
15°	910	918	910	905	905	256
25°	819	822	809	798	794	377
35°	703	696	677	657	653	438
45°	565	556	533	507	500	436
55°	424	412	386	361	355	379
65°	281	271	248	226	219	279
75°	145	137	121	108	106	155
85°	33	30	29	29	29	39
90°	0	0	0	3	0	8
95°	168	30	39	42	42	208
105°	844	856	868	63	66	890
115°	1583	1594	1598	1622	1631	1561
125°	2249	2264	2258	2283	2297	2007
135°	2826	2840	2817	2838	2856	2176
145°	3288	3309	3267	3289	3306	2057
155°	3643	3672	3622	3631	3655	1680
165°	3883	3903	3862	3850	3877	1096
175°	3994	4014	3961	3940	3952	380
180°	3985	3985	3985	3985	3985	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	965.7	965.7	965.7	965.7	965.7
2.5°	960.8	970.4	961.9	963.0	965.2
5°	957.5	969.6	958.2	957.0	963.7
7.5°	950.1	961.1	949.3	946.5	952.6
10°	942.4	954.5	941.0	937.7	941.0
12.5°	928.7	941.3	930.6	925.0	927.9
15°	910.2	918.2	910.2	904.7	904.7
17.5°	887.5	896.0	880.8	876.9	875.5
20°	871.1	878.5	862.2	856.6	854.6
22.5°	849.1	856.0	842.4	833.0	830.5
25°	818.9	821.6	808.7	797.6	794.3
27.5°	788.6	789.3	771.5	758.1	753.7
30°	763.4	764.1	743.5	729.0	725.7
32.5°	738.2	736.1	716.6	699.4	697.1
35°	703.0	696.3	677.0	657.0	653.0
37.5°	660.6	656.6	633.8	613.7	607.7
40°	633.8	627.1	603.6	583.6	577.5
42.5°	606.9	599.1	575.0	552.8	546.2
45°	565.2	556.5	532.9	507.4	500.0
47.5°	523.2	513.7	487.8	463.1	454.9
50°	495.2	485.2	458.2	434.0	425.2
52.5°	466.7	456.1	429.1	404.4	397.3
55°	423.9	412.5	386.2	361.3	354.6
57.5°	381.1	369.8	343.6	320.1	312.1
60°	352.5	341.8	316.2	292.7	284.6
62.5°	323.5	313.3	288.2	265.3	257.8
65°	281.2	271.2	247.6	225.5	218.8
67.5°	239.4	230.8	207.5	187.3	181.9
70°	211.9	203.9	181.8	163.1	157.8
72.5°	185.6	177.0	156.0	140.1	136.4
75°	145.4	137.4	120.7	108.3	106.3
77.5°	108.6	102.1	87.7	80.6	79.6
80°	85.0	79.0	67.9	63.1	63.1
82.5°	63.1	58.1	50.9	48.8	48.8
85°	32.9	30.2	28.8	28.8	28.8
87.5°	9.9	9.9	9.3	9.4	8.8
90°	0.0	0.0	0.0	2.9	0.0
92.5°	45.6	17.5	14.4	17.4	16.8
95°	168.2	30.2	39.0	42.0	42.0
97.5°	338.7	332.3	45.6	54.7	55.3
100°	468.5	483.1	48.0	57.1	60.1
102.5°	612.6	624.9	88.9	59.5	62.5
105°	843.8	855.6	867.9	63.1	66.1
107.5°	1073.9	1082.7	1090.7	981.8	367.6
110°	1225.2	1234.0	1237.2	1267.4	1273.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1366.9	1378.1	1383.8	1409.2	1419.8
115°	1582.6	1594.3	1597.6	1621.8	1630.6
117.5°	1787.4	1799.7	1805.4	1824.9	1839.0
120°	1921.9	1936.6	1939.9	1964.2	1975.9
122.5°	2054.0	2071.0	2069.6	2091.6	2108.1
125°	2249.2	2263.9	2258.2	2282.6	2297.3
127.5°	2434.8	2443.6	2431.2	2460.9	2473.2
130°	2552.5	2561.3	2546.5	2573.9	2588.5
132.5°	2660.6	2674.1	2657.0	2682.0	2696.6
135°	2825.8	2840.4	2816.8	2838.2	2855.8
137.5°	2972.9	2990.5	2962.1	2987.1	3002.3
140°	3069.0	3086.6	3051.0	3078.4	3096.0
142.5°	3157.9	3180.2	3137.5	3162.6	3182.5
145°	3288.2	3308.8	3267.2	3288.6	3306.2
147.5°	3411.9	3429.6	3389.7	3405.0	3417.3
150°	3486.4	3504.0	3459.4	3474.7	3489.4
152.5°	3546.5	3571.1	3526.7	3537.4	3559.1
155°	3642.6	3671.9	3621.5	3631.1	3654.6
157.5°	3730.9	3757.3	3706.8	3715.1	3735.7
160°	3783.7	3810.1	3759.7	3763.2	3783.7
162.5°	3824.5	3848.6	3805.3	3799.3	3824.5
165°	3882.8	3903.4	3861.8	3850.4	3876.8
167.5°	3931.5	3954.9	3903.8	3894.3	3924.2
170°	3957.9	3981.4	3927.8	3913.6	3945.9
172.5°	3974.7	3995.8	3944.7	3925.4	3950.7
175°	3993.9	4014.5	3960.9	3940.1	3951.9
177.5°	3999.3	4015.8	3972.9	3954.3	3982.5
180°	3984.9	3984.9	3984.9	3984.9	3984.9

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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	8.47	9.09	9.67	10.27	11.95	7.39	8.01	8.59	9.19	10.87
	3H	10.12	10.67	11.32	11.86	13.55	8.79	9.34	9.99	10.53	12.22
	4H	10.74	11.26	11.95	12.45	14.15	9.29	9.82	10.51	11.00	12.70
	6H	11.11	11.59	12.33	12.78	14.49	9.60	10.08	10.82	11.27	12.98
	8H	11.24	11.70	12.46	12.90	14.60	9.71	10.17	10.94	11.38	13.08
	12H	11.30	11.73	12.52	12.93	14.65	9.78	10.22	11.01	11.41	13.13
4H	2H	8.85	9.37	10.07	10.56	12.26	7.99	8.52	9.21	9.70	11.40
	3H	10.71	11.15	11.94	12.36	14.08	9.58	10.02	10.81	11.24	12.95
	4H	11.45	11.86	12.68	13.06	14.78	10.18	10.59	11.41	11.78	13.51
	6H	11.94	12.29	13.17	13.51	15.22	10.58	10.93	11.81	12.15	13.86
	8H	12.13	12.45	13.35	13.66	15.39	10.74	11.07	11.97	12.28	14.01
	12H	12.21	12.51	13.45	13.73	15.46	10.84	11.13	12.08	12.35	14.09
8H	4H	11.56	11.89	12.79	13.10	14.83	10.42	10.75	11.65	11.96	13.69
	6H	12.17	12.44	13.42	13.69	15.42	10.94	11.21	12.19	12.46	14.19
	8H	12.45	12.68	13.69	13.90	15.66	11.19	11.42	12.44	12.65	14.40
	12H	12.60	12.80	13.85	14.03	15.81	11.36	11.56	12.61	12.79	14.57
12H	4H	11.52	11.82	12.77	13.04	14.78	10.41	10.71	11.66	11.93	13.67
	6H	12.19	12.42	13.44	13.65	15.40	11.00	11.23	12.25	12.46	14.21
	8H	12.47	12.68	13.73	13.90	15.68	11.27	11.47	12.52	12.70	14.48