

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: P1439600

Luminaire Tested: CB3-D-125U-030D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439600  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-D-125U-030D-940-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

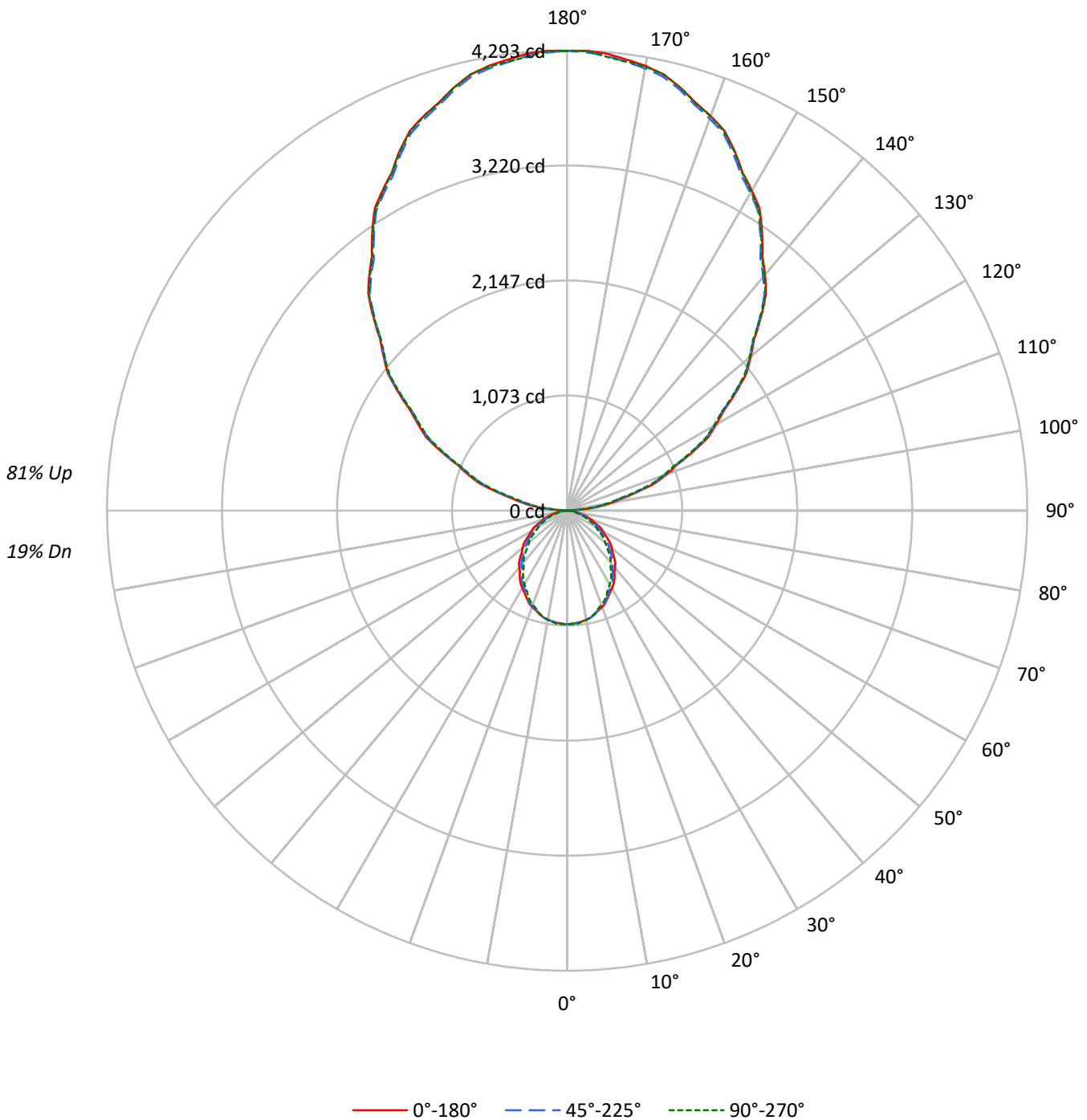
Lumens per Lamp: N/A  
Luminaire Lumens: 13586.5 lumens  
Efficiency: N/A  
Efficacy: 124.3 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

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					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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27	19				
1	91	87	83	80	80	77	74	71	58	56	54	40	39	38	24	24	23	16				
2	83	76	70	65	73	67	62	58	51	47	45	35	33	32	21	20	20	13				
3	75	67	60	54	66	59	53	49	45	41	38	31	29	27	19	18	17	11				
4	69	59	51	46	60	52	46	41	40	35	32	28	25	23	17	16	14	10				
5	63	52	45	39	55	46	40	35	35	31	27	25	22	20	15	14	13	9				
6	58	47	39	34	51	41	35	30	32	27	24	22	20	17	14	12	11	8				
7	53	42	34	29	47	37	31	26	29	24	21	20	17	15	13	11	10	7				
8	49	38	31	26	44	34	27	23	26	21	18	18	16	13	12	10	9	6				
9	46	34	27	23	40	31	25	20	24	19	16	17	14	12	11	9	8	5				
10	43	31	25	20	38	28	22	18	22	17	14	16	13	11	10	8	7	5				

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

	0°	45°	90°
0°	6001	6001	6001
5°	5973	5978	6030
10°	5947	5939	5939
15°	5857	5857	5822
20°	5763	5704	5634
25°	5598	5527	5429
30°	5461	5319	5191
35°	5317	5120	4938
40°	5125	4882	4670
45°	4952	4669	4380
50°	4773	4416	4099
55°	4578	4171	3830
60°	4369	3918	3527
65°	4122	3629	3207
70°	3839	3292	2857
75°	3480	2890	2544
80°	3033	2424	2251
85°	2343	2045	2045

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4952 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.1	0.7
10°-20°	281.2	2.1
20°-30°	407.6	3.0
30°-40°	463.0	3.4
40°-50°	449.5	3.3
50°-60°	379.5	2.8
60°-70°	270.0	2.0
70°-80°	144.3	1.1
80°-90°	38.1	0.3
90°-100°	181.2	1.3
100°-110°	709.0	5.2
110°-120°	1263.7	9.3
120°-130°	1710.1	12.6
130°-140°	1966.1	14.5
140°-150°	1972.9	14.5
150°-160°	1696.6	12.5
160°-170°	1148.5	8.5
170°-180°	405.1	3.0
0°-30°	789.0	5.8
0°-40°	1252.0	9.2
0°-60°	2081.1	15.3
0°-90°	2533.4	18.6
90°-120°	2153.9	15.9
90°-150°	7802.9	57.4
90°-180°	11053.0	81.4
0°-180°	13586.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1061	1061	1061	1061	1061	
5°	1052	1065	1053	1051	1062	100
15°	1000	1009	1000	994	994	282
25°	897	900	886	873	870	414
35°	770	762	741	719	715	480
45°	619	609	584	556	548	477
55°	464	452	423	396	388	415
65°	308	297	271	247	240	305
75°	159	150	132	119	116	170
85°	36	33	32	32	32	43
90°	0	0	0	0	0	8
95°	174	158	141	132	135	199
105°	687	684	661	651	644	734
115°	1289	1296	1266	1263	1260	1278
125°	1920	1943	1904	1898	1901	1717
135°	2558	2584	2542	2523	2548	1972
145°	3170	3196	3144	3128	3157	1981
155°	3699	3732	3670	3654	3693	1702
165°	4084	4120	4064	4042	4084	1151
175°	4278	4317	4258	4232	4249	406
180°	4288	4288	4288	4288	4288	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1060.8	1060.8	1060.8	1060.8	1060.8
2.5°	1055.4	1066.0	1056.6	1057.9	1060.2
5°	1051.8	1065.0	1052.6	1051.3	1061.9
7.5°	1043.7	1055.7	1042.8	1039.8	1046.4
10°	1035.3	1048.5	1033.8	1030.1	1033.8
12.5°	1020.3	1034.1	1022.4	1016.3	1019.4
15°	1000.0	1008.8	1000.0	994.0	994.0
17.5°	975.2	984.4	967.8	963.6	961.3
20°	957.2	965.2	947.4	941.3	935.9
22.5°	933.1	940.6	925.8	912.8	909.4
25°	896.8	899.7	885.5	873.4	869.8
27.5°	863.6	864.3	844.8	830.1	825.3
30°	836.0	836.7	814.2	798.3	794.6
32.5°	808.3	806.1	784.7	765.9	763.4
35°	769.9	762.5	741.3	719.4	715.0
37.5°	723.4	719.0	694.0	672.1	665.5
40°	694.0	686.7	661.0	639.0	632.4
42.5°	664.6	656.0	629.7	605.4	598.2
45°	618.9	609.3	583.6	555.6	547.5
47.5°	572.9	562.5	534.2	507.1	498.1
50°	542.3	531.3	501.7	475.2	465.7
52.5°	511.0	499.4	469.9	442.8	435.0
55°	464.2	451.7	422.9	395.7	388.3
57.5°	417.3	405.0	376.3	350.6	341.7
60°	386.1	374.3	346.3	320.5	311.7
62.5°	354.2	343.0	315.6	290.5	282.3
65°	307.9	296.9	271.1	246.9	239.6
67.5°	262.1	252.7	227.3	205.1	199.2
70°	232.1	223.3	199.0	178.6	172.7
72.5°	203.2	193.8	170.8	153.4	149.3
75°	159.2	150.4	132.2	118.6	116.4
77.5°	119.0	111.8	96.0	88.3	87.1
80°	93.1	86.5	74.4	69.1	69.1
82.5°	69.1	63.7	55.7	53.5	53.5
85°	36.1	33.1	31.5	31.5	31.5
87.5°	10.8	10.8	10.2	9.6	9.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	47.4	42.2	26.3	21.0	21.0
95°	174.3	158.2	141.4	131.6	134.8
97.5°	321.6	306.2	285.4	275.6	278.2
100°	424.2	411.3	388.0	378.2	378.2
102.5°	524.2	516.5	493.3	483.5	486.0
105°	687.3	684.1	661.0	651.0	644.5
107.5°	867.5	861.7	835.9	835.1	829.3
110°	983.2	980.0	956.9	953.6	950.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1101.6	1106.1	1080.6	1077.2	1074.0
115°	1289.1	1295.5	1266.0	1262.7	1259.5
117.5°	1481.1	1490.1	1458.7	1455.3	1449.5
120°	1604.7	1624.0	1585.0	1581.6	1578.4
122.5°	1731.0	1747.7	1711.3	1705.3	1704.7
125°	1920.4	1942.9	1904.0	1897.5	1900.7
127.5°	2109.8	2133.0	2096.7	2083.7	2090.8
130°	2236.1	2261.8	2223.0	2210.0	2219.7
132.5°	2365.0	2390.7	2351.9	2339.0	2353.8
135°	2558.4	2584.1	2541.9	2522.8	2548.5
137.5°	2747.1	2769.6	2723.5	2710.3	2737.3
140°	2870.8	2893.3	2844.5	2828.8	2860.9
142.5°	2991.8	3016.9	2962.8	2947.2	2981.9
145°	3170.0	3195.7	3143.7	3127.9	3156.9
147.5°	3341.0	3367.4	3314.7	3296.3	3325.9
150°	3446.2	3475.2	3419.9	3404.2	3436.4
152.5°	3548.8	3580.3	3522.5	3504.4	3544.2
155°	3699.4	3731.6	3669.9	3654.3	3692.9
157.5°	3834.9	3864.5	3808.6	3792.9	3826.4
160°	3916.5	3948.6	3890.2	3874.6	3913.2
162.5°	3987.5	4019.7	3966.5	3945.6	3984.2
165°	4084.2	4119.6	4064.5	4042.4	4084.2
167.5°	4165.1	4203.0	4144.7	4124.6	4166.4
170°	4212.4	4247.8	4189.4	4164.1	4205.9
172.5°	4244.0	4279.4	4221.0	4195.3	4224.3
175°	4278.2	4316.8	4258.5	4232.5	4248.6
177.5°	4293.3	4324.2	4277.5	4254.7	4290.7
180°	4288.1	4288.1	4288.1	4288.1	4288.1



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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	9.26	9.90	10.45	11.06	12.72	8.19	8.82	9.38	9.99	11.65
	3H	10.91	11.48	12.11	12.66	14.33	9.58	10.15	10.78	11.32	13.00
	4H	11.53	12.07	12.74	13.25	14.92	10.09	10.63	11.29	11.80	13.48
	6H	11.91	12.40	13.12	13.58	15.27	10.39	10.89	11.60	12.07	13.75
	8H	12.04	12.51	13.25	13.70	15.38	10.51	10.98	11.72	12.17	13.85
	12H	12.10	12.54	13.31	13.73	15.43	10.58	11.02	11.79	12.21	13.91
4H	2H	9.64	10.18	10.85	11.36	13.03	8.79	9.32	10.00	10.50	12.18
	3H	11.51	11.96	12.73	13.16	14.85	10.38	10.83	11.60	12.03	13.72
	4H	12.25	12.67	13.47	13.85	15.56	10.98	11.39	12.19	12.58	14.29
	6H	12.74	13.09	13.96	14.30	16.00	11.38	11.73	12.60	12.94	14.64
	8H	12.93	13.26	14.14	14.46	16.17	11.54	11.87	12.76	13.08	14.79
	12H	13.01	13.31	14.24	14.52	16.24	11.64	11.94	12.87	13.15	14.86
8H	4H	12.36	12.69	13.58	13.89	15.60	11.22	11.55	12.44	12.75	14.47
	6H	12.97	13.24	14.21	14.49	16.20	11.74	12.01	12.98	13.26	14.97
	8H	13.25	13.48	14.48	14.70	16.43	11.99	12.23	13.23	13.45	15.18
	12H	13.40	13.61	14.64	14.82	16.58	12.16	12.37	13.40	13.58	15.34
12H	4H	12.32	12.62	13.56	13.84	15.55	11.21	11.51	12.45	12.73	14.44
	6H	12.99	13.22	14.23	14.44	16.17	11.80	12.03	13.04	13.25	14.98
	8H	13.28	13.48	14.52	14.70	16.46	12.07	12.28	13.31	13.49	15.25