

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: P1439616

Luminaire Tested: CB3-D-125U-085D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439616  
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-085D-940-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

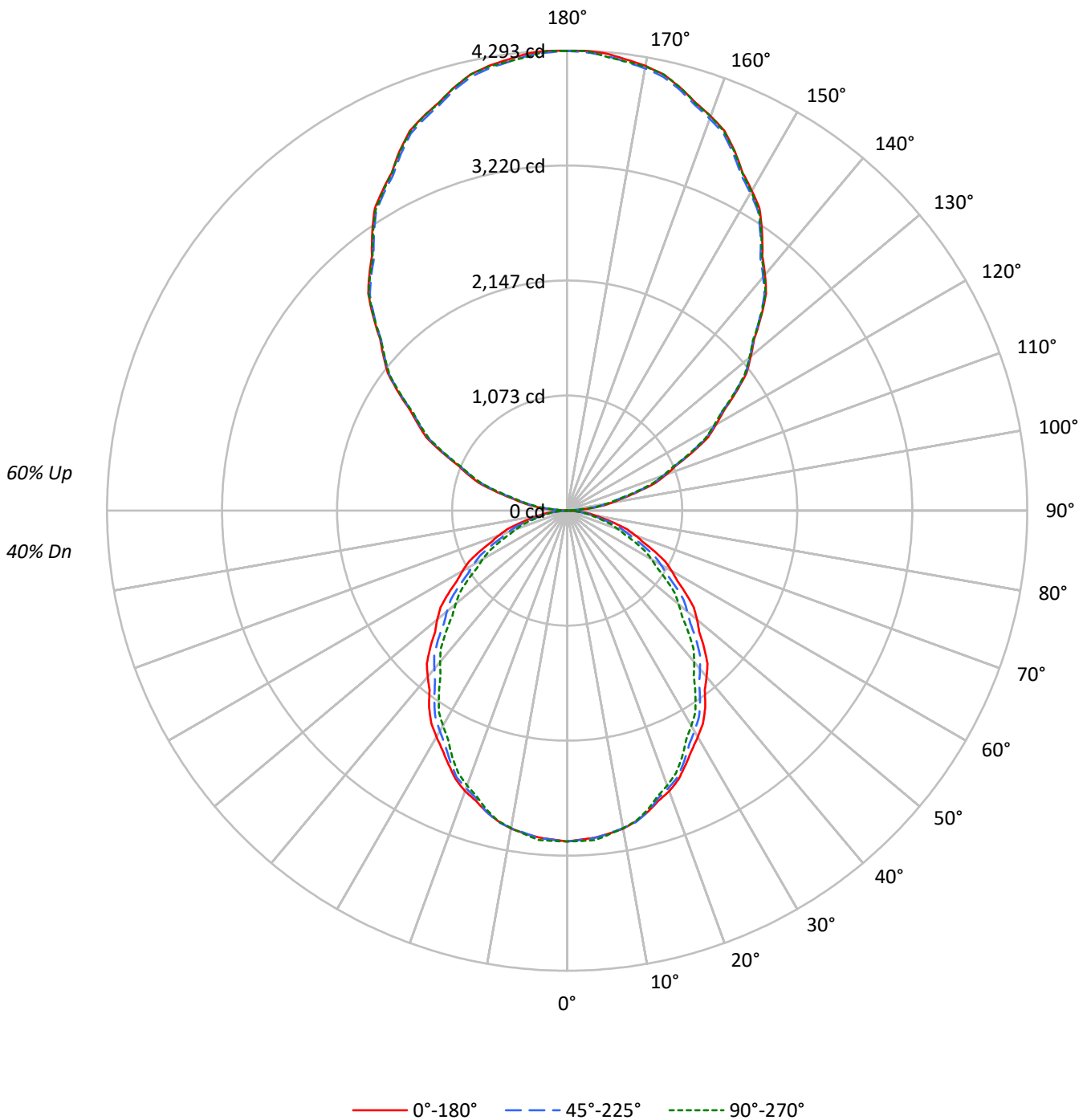
Lumens per Lamp: N/A  
Luminaire Lumens: 18437.4 lumens  
Efficiency: N/A  
Efficacy: 127.5 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 144.6  
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	0
RCR																		
0	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40
1	96	92	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34
2	87	80	74	69	79	73	68	64	60	56	53	48	46	43	37	35	34	29
3	80	70	63	58	72	64	58	53	53	49	45	43	39	37	33	31	29	24
4	73	62	55	49	66	57	50	45	47	42	38	38	34	32	29	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	27	24	22	18
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	37	32	52	41	34	30	34	29	25	28	24	21	22	19	17	14
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	18	15	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	15	17	15	13	11

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

	0°	45°	90°
0°	17464	17464	17464
5°	17381	17394	17512
10°	17305	17280	17280
15°	17041	17041	16939
20°	16765	16594	16429
25°	16323	16118	15831
30°	15924	15509	15136
35°	15504	14929	14400
40°	14945	14233	13619
45°	14439	13615	12774
50°	13917	12876	11951
55°	13350	12161	11168
60°	12737	11423	10284
65°	12020	10583	9352
70°	11193	9600	8332
75°	10149	8426	7421
80°	8848	7063	6565
85°	6822	5972	5972

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14439 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	291.3	1.6
10°-20°	818.3	4.4
20°-30°	1188.0	6.4
30°-40°	1350.2	7.3
40°-50°	1310.8	7.1
50°-60°	1106.6	6.0
60°-70°	787.3	4.3
70°-80°	420.7	2.3
80°-90°	111.1	0.6
90°-100°	181.2	1.0
100°-110°	709.0	3.8
110°-120°	1263.7	6.9
120°-130°	1710.1	9.3
130°-140°	1966.1	10.7
140°-150°	1972.9	10.7
150°-160°	1696.6	9.2
160°-170°	1148.5	6.2
170°-180°	405.1	2.2
0°-30°	2297.6	12.5
0°-40°	3647.8	19.8
0°-60°	6065.2	32.9
0°-90°	7384.3	40.1
90°-120°	2153.9	11.7
90°-150°	7802.9	42.3
90°-180°	11053.0	59.9
0°-180°	18437.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3087	3087	3087	3087	3087	
5°	3061	3099	3063	3059	3084	291
15°	2910	2935	2910	2892	2892	820
25°	2615	2624	2582	2547	2536	1205
35°	2245	2224	2162	2098	2085	1399
45°	1805	1777	1702	1620	1597	1392
55°	1354	1317	1233	1154	1132	1210
65°	898	866	791	720	699	889
75°	464	439	386	346	340	495
85°	105	97	92	92	92	125
90°	0	0	0	0	0	11
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°	3087.0	3087.0	3087.0	3087.0	3087.0
2.5°	3071.2	3102.0	3074.7	3078.4	3085.2
5°	3060.7	3099.2	3062.9	3059.1	3083.7
7.5°	3037.0	3072.2	3034.4	3025.7	3044.9
10°	3012.5	3051.1	3008.1	2997.4	3008.1
12.5°	2968.7	3009.0	2974.8	2957.1	2966.1
15°	2909.6	2935.3	2909.6	2892.1	2892.1
17.5°	2837.3	2864.3	2815.8	2803.5	2798.1
20°	2784.7	2808.3	2756.3	2738.5	2728.9
22.5°	2714.7	2736.5	2693.2	2660.6	2651.8
25°	2615.0	2623.6	2582.1	2546.9	2536.2
27.5°	2518.2	2520.3	2463.4	2420.6	2406.5
30°	2437.6	2439.7	2374.1	2327.9	2317.1
32.5°	2357.0	2350.6	2288.2	2233.3	2226.0
35°	2244.9	2223.5	2161.6	2097.8	2085.0
37.5°	2109.5	2096.7	2023.7	1959.7	1940.4
40°	2023.7	2002.3	1927.3	1863.4	1844.1
42.5°	1937.8	1913.0	1836.2	1765.2	1744.2
45°	1804.7	1776.8	1701.7	1620.2	1596.6
47.5°	1670.6	1640.2	1557.6	1478.6	1452.5
50°	1581.3	1549.1	1463.0	1385.7	1357.9
52.5°	1490.2	1456.3	1370.1	1291.2	1268.5
55°	1353.5	1317.1	1233.0	1153.7	1132.3
57.5°	1216.8	1180.9	1097.2	1022.2	996.5
60°	1125.7	1091.5	1009.6	934.6	908.9
62.5°	1032.9	1000.3	920.3	847.0	823.0
65°	897.9	865.8	790.6	720.1	698.6
67.5°	764.4	736.9	662.7	598.0	580.8
70°	676.7	651.0	580.4	520.9	503.7
72.5°	592.6	565.2	498.0	447.4	435.4
75°	464.3	438.6	385.5	345.9	339.5
77.5°	346.9	325.9	279.9	257.5	254.1
80°	271.6	252.3	216.8	201.5	201.5
82.5°	201.5	185.6	162.5	155.9	155.9
85°	105.1	96.6	92.0	92.0	92.0
87.5°	31.5	31.5	29.8	28.0	28.0
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	<i>1106.1</i>	1080.6	1077.2	1074.0
115°	1289.1	<i>1295.5</i>	1266.0	1262.7	1259.5
117.5°	1481.1	<i>1490.1</i>	1458.7	1455.3	1449.5
120°	1604.7	<i>1624.0</i>	1585.0	1581.6	1578.4
122.5°	1731.0	<i>1747.7</i>	1711.3	1705.3	1704.7
125°	1920.4	<i>1942.9</i>	1904.0	1897.5	1900.7
127.5°	2109.8	<i>2133.0</i>	2096.7	2083.7	2090.8
130°	2236.1	<i>2261.8</i>	2223.0	2210.0	2219.7
132.5°	2365.0	<i>2390.7</i>	2351.9	2339.0	2353.8
135°	2558.4	<i>2584.1</i>	2541.9	2522.8	2548.5
137.5°	2747.1	<i>2769.6</i>	2723.5	2710.3	2737.3
140°	2870.8	<i>2893.3</i>	2844.5	2828.8	2860.9
142.5°	2991.8	<i>3016.9</i>	2962.8	2947.2	2981.9
145°	3170.0	<i>3195.7</i>	3143.7	3127.9	3156.9
147.5°	3341.0	<i>3367.4</i>	3314.7	3296.3	3325.9
150°	3446.2	<i>3475.2</i>	3419.9	3404.2	3436.4
152.5°	3548.8	<i>3580.3</i>	3522.5	3504.4	3544.2
155°	3699.4	<i>3731.6</i>	3669.9	3654.3	3692.9
157.5°	3834.9	<i>3864.5</i>	3808.6	3792.9	3826.4
160°	3916.5	<i>3948.6</i>	3890.2	3874.6	3913.2
162.5°	3987.5	<i>4019.7</i>	3966.5	3945.6	3984.2
165°	4084.2	<i>4119.6</i>	4064.5	4042.4	4084.2
167.5°	4165.1	<i>4203.0</i>	4144.7	4124.6	4166.4
170°	4212.4	<i>4247.8</i>	4189.4	4164.1	4205.9
172.5°	4244.0	<i>4279.4</i>	4221.0	4195.3	4224.3
175°	4278.2	<i>4316.8</i>	4258.5	4232.5	4248.6
177.5°	<i>4293.3</i>	<i>4324.2</i>	<i>4277.5</i>	<i>4254.7</i>	<i>4290.7</i>
180°	4288.1	<i>4288.1</i>	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	16.08	16.85	17.12	17.90	19.31	15.01	15.78	16.05	16.82	18.23
	3H	17.74	18.43	18.79	19.49	20.91	16.41	17.10	17.46	18.16	19.58
	4H	18.37	19.02	19.43	20.08	21.51	16.93	17.58	17.99	18.63	20.07
	6H	18.75	19.35	19.82	20.41	21.86	17.24	17.84	18.31	18.90	20.35
	8H	18.88	19.46	19.96	20.53	21.97	17.36	17.93	18.43	19.01	20.45
	12H	18.95	19.49	20.03	20.56	22.03	17.43	17.97	18.51	19.04	20.51
4H	2H	16.48	17.13	17.55	18.19	19.62	15.62	16.28	16.69	17.33	18.76
	3H	18.36	18.91	19.44	19.99	21.44	17.23	17.78	18.31	18.86	20.31
	4H	19.11	19.61	20.19	20.68	22.15	17.84	18.33	18.92	19.41	20.88
	6H	19.60	20.03	20.69	21.13	22.59	18.24	18.67	19.33	19.77	21.23
	8H	19.79	20.19	20.88	21.28	22.76	18.41	18.81	19.50	19.90	21.38
	12H	19.89	20.25	20.99	21.35	22.83	18.51	18.87	19.62	19.98	21.46
8H	4H	19.23	19.63	20.32	20.72	22.20	18.09	18.49	19.18	19.58	21.06
	6H	19.84	20.17	20.96	21.31	22.78	18.62	18.95	19.73	20.08	21.55
	8H	20.12	20.41	21.24	21.52	23.02	18.87	19.16	19.99	20.27	21.76
	12H	20.28	20.53	21.40	21.64	23.17	19.04	19.29	20.16	20.40	21.93
12H	4H	19.20	19.56	20.31	20.66	22.14	18.09	18.45	19.20	19.55	21.03
	6H	19.86	20.15	20.98	21.26	22.76	18.67	18.96	19.79	20.07	21.57
	8H	20.16	20.41	21.28	21.52	23.05	18.95	19.20	20.07	20.31	21.84