

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: P1439624

Luminaire Tested: CB3-D-125U-120D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439624  
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-120D-940-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

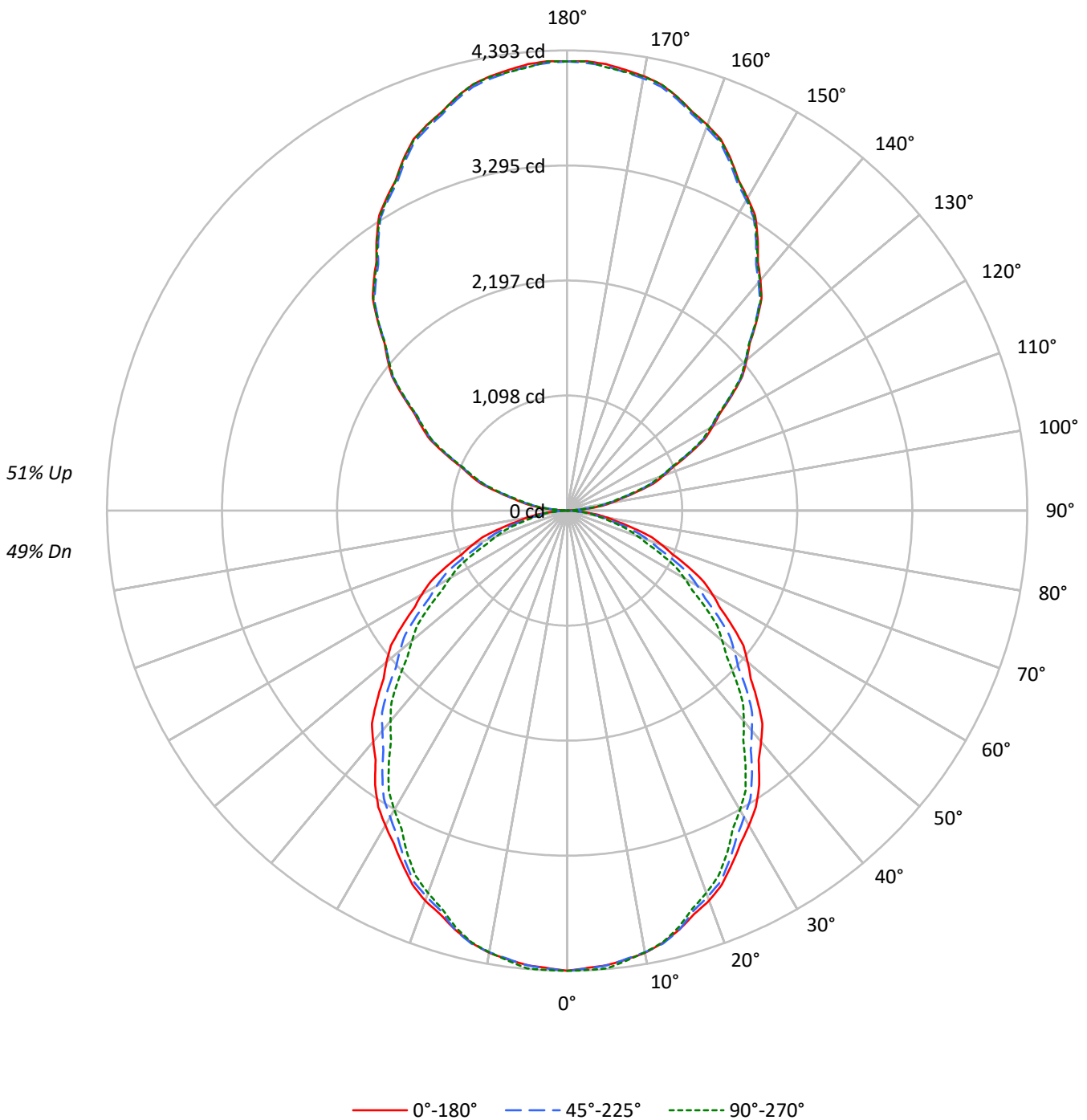
Lumens per Lamp: N/A  
Luminaire Lumens: 21564.4 lumens  
Efficiency: N/A  
Efficacy: 127.4 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 169.3  
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	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49				
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47	41				
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	40	35				
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	38	36	34	30				
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	34	32	29	26				
5	68	57	49	43	63	53	46	40	45	40	35	38	34	31	31	28	26	22				
6	63	51	43	37	58	48	40	35	41	35	31	34	30	27	28	25	23	20				
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	18				
8	54	42	34	29	50	39	32	27	34	28	24	29	24	21	24	21	18	16				
9	50	38	31	26	46	36	29	25	31	26	22	26	22	19	22	19	16	14				
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15	13				

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

	0°	45°	90°
0°	24853	24853	24853
5°	24736	24753	24913
10°	24627	24591	24591
15°	24250	24250	24104
20°	23857	23614	23387
25°	23237	22945	22537
30°	22668	22077	21548
35°	22070	21252	20499
40°	21275	20262	19387
45°	20554	19381	18184
50°	19811	18330	17013
55°	19004	17313	15898
60°	18132	16262	14640
65°	17112	15066	13314
70°	15935	13666	11861
75°	14448	11994	10564
80°	12595	10057	9344
85°	9717	8497	8497

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 20554 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	414.5	1.9
10°-20°	1164.5	5.4
20°-30°	1691.0	7.8
30°-40°	1922.1	8.9
40°-50°	1865.9	8.7
50°-60°	1575.4	7.3
60°-70°	1120.8	5.2
70°-80°	598.9	2.8
80°-90°	158.2	0.7
90°-100°	181.2	0.8
100°-110°	709.0	3.3
110°-120°	1263.7	5.9
120°-130°	1710.1	7.9
130°-140°	1966.1	9.1
140°-150°	1972.9	9.1
150°-160°	1696.6	7.9
160°-170°	1148.5	5.3
170°-180°	405.1	1.9
0°-30°	3270.0	15.2
0°-40°	5192.1	24.1
0°-60°	8633.4	40.0
0°-90°	10511.3	48.7
90°-120°	2153.9	10.0
90°-150°	7802.9	36.2
90°-180°	11053.0	51.3
0°-180°	21564.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4393	4393	4393	4393	4393	
5°	4356	4410	4359	4353	4387	413
15°	4140	4177	4140	4116	4116	1166
25°	3723	3735	3676	3626	3610	1716
35°	3196	3165	3077	2986	2968	1991
45°	2569	2529	2422	2306	2273	1982
55°	1927	1875	1755	1642	1612	1723
65°	1278	1232	1126	1025	995	1266
75°	661	624	549	492	483	705
85°	150	138	131	131	131	177
90°	0	0	0	0	0	13
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°	4393.1	4393.1	4393.1	4393.1	4393.1
2.5°	4370.6	4414.5	4375.6	4380.8	4390.6
5°	4355.7	4410.5	4358.8	4353.3	4387.0
7.5°	4322.0	4372.0	4318.3	4305.8	4333.2
10°	4287.1	4341.9	4280.8	4265.6	4280.8
12.5°	4224.7	4282.0	4233.4	4208.2	4221.0
15°	4140.5	4177.1	4140.5	4115.6	4115.6
17.5°	4037.7	4076.1	4007.1	3989.5	3982.1
20°	3962.8	3996.4	3922.3	3897.1	3884.7
22.5°	3863.1	3894.2	3832.5	3787.2	3775.0
25°	3722.6	3734.8	3675.8	3625.6	3610.4
27.5°	3584.8	3587.8	3506.8	3445.9	3425.8
30°	3470.1	3473.1	3379.6	3313.8	3298.6
32.5°	3355.3	3346.2	3257.4	3179.2	3168.9
35°	3195.7	3165.2	3077.2	2986.4	2968.1
37.5°	3003.0	2984.7	2880.8	2789.8	2762.3
40°	2880.8	2850.3	2743.6	2652.6	2625.1
42.5°	2758.6	2723.2	2613.9	2512.8	2483.0
45°	2569.0	2529.4	2422.5	2306.4	2272.8
47.5°	2378.2	2334.9	2217.3	2104.9	2067.7
50°	2251.0	2205.3	2082.7	1972.6	1933.0
52.5°	2121.3	2073.1	1950.5	1838.1	1805.8
55°	1926.8	1874.9	1755.3	1642.4	1611.9
57.5°	1732.2	1681.0	1562.0	1455.2	1418.6
60°	1602.5	1553.7	1437.3	1330.4	1293.9
62.5°	1470.3	1424.0	1310.1	1205.8	1171.6
65°	1278.3	1232.5	1125.5	1025.0	994.6
67.5°	1088.1	1049.1	943.4	851.2	826.8
70°	963.4	926.8	826.2	741.5	717.1
72.5°	843.7	804.6	709.0	636.9	619.8
75°	661.0	624.4	548.7	492.4	483.3
77.5°	493.9	464.0	398.4	366.5	361.7
80°	386.6	359.2	308.7	286.8	286.8
82.5°	286.8	264.3	231.3	222.0	222.0
85°	149.7	137.5	130.9	130.9	130.9
87.5°	44.9	44.9	42.4	39.9	39.9
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°	4293.3	<i>4324.2</i>	4277.5	4254.7	4290.7
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	18.19	19.03	19.16	20.01	21.30	17.11	17.95	18.08	18.94	20.23
	3H	19.86	20.61	20.84	21.60	22.91	18.52	19.28	19.51	20.27	21.58
	4H	20.49	21.20	21.48	22.19	23.51	19.04	19.75	20.04	20.75	22.07
	6H	20.87	21.53	21.88	22.53	23.86	19.36	20.01	20.36	21.01	22.35
	8H	21.01	21.63	22.02	22.65	23.98	19.48	20.10	20.49	21.12	22.45
	12H	21.07	21.67	22.09	22.68	24.03	19.56	20.15	20.57	21.16	22.51
4H	2H	18.60	19.31	19.60	20.30	21.62	17.74	18.45	18.74	19.44	20.77
	3H	20.48	21.08	21.49	22.10	23.44	19.35	19.95	20.36	20.97	22.31
	4H	21.23	21.77	22.25	22.79	24.15	19.96	20.50	20.98	21.52	22.88
	6H	21.73	22.20	22.76	23.24	24.59	20.37	20.84	21.40	21.88	23.23
	8H	21.92	22.36	22.95	23.39	24.76	20.54	20.98	21.57	22.01	23.38
	12H	22.02	22.41	23.07	23.46	24.84	20.65	21.04	21.69	22.09	23.46
8H	4H	21.36	21.79	22.39	22.83	24.20	20.22	20.66	21.25	21.69	23.06
	6H	21.98	22.34	23.03	23.41	24.78	20.75	21.11	21.80	22.18	23.55
	8H	22.25	22.57	23.31	23.63	25.02	21.00	21.32	22.06	22.38	23.76
	12H	22.42	22.69	23.48	23.75	25.18	21.18	21.45	22.24	22.51	23.94
12H	4H	21.33	21.72	22.38	22.77	24.15	20.22	20.61	21.27	21.66	23.04
	6H	21.99	22.31	23.06	23.37	24.76	20.81	21.12	21.87	22.18	23.57
	8H	22.29	22.57	23.36	23.63	25.05	21.09	21.36	22.15	22.42	23.85