

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: P1439362

Luminaire Tested: CB3-125U-120D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439362  
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-120D-927-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

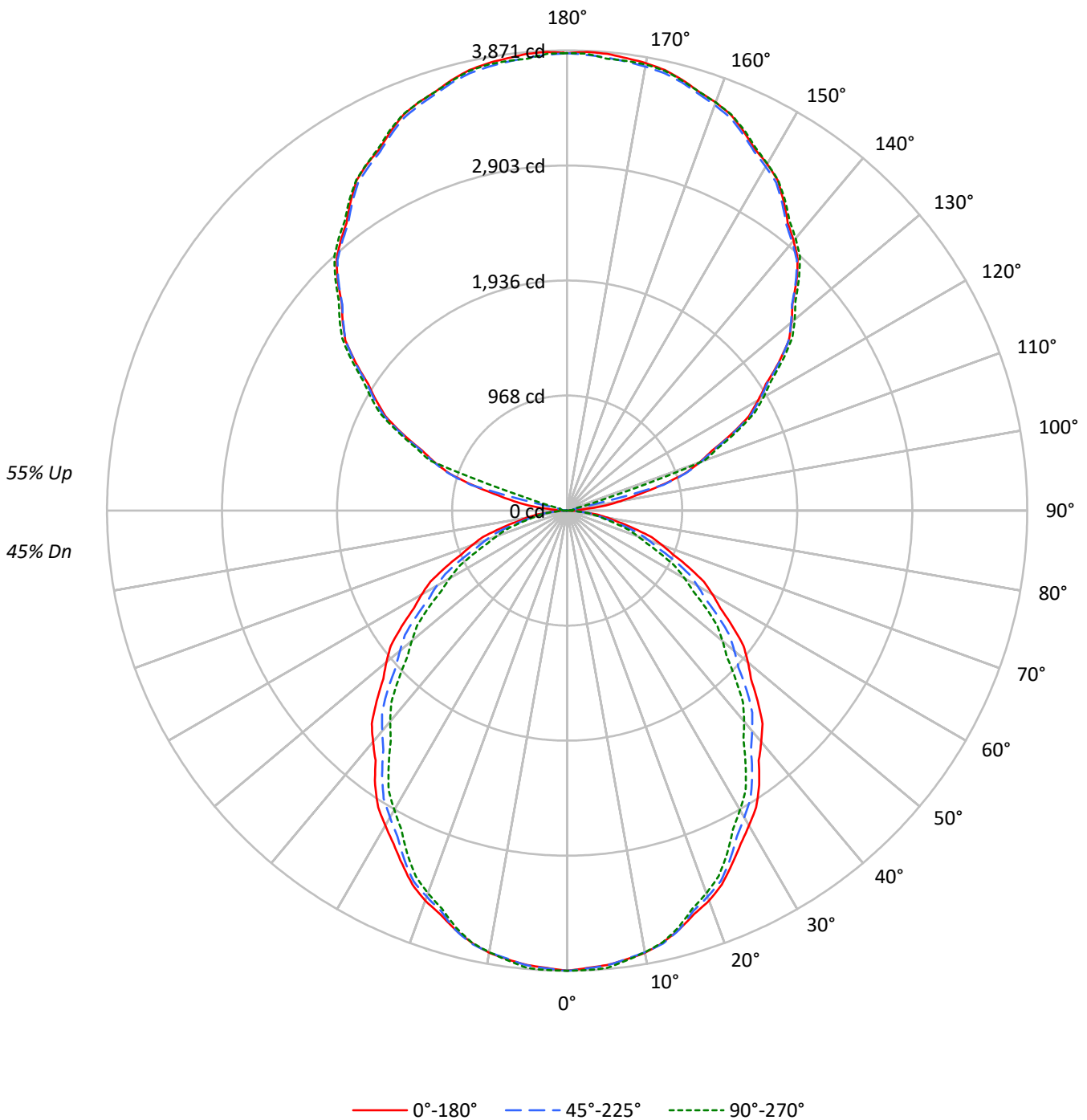
Lumens per Lamp: N/A  
Luminaire Lumens: 20624.0 lumens  
Efficiency: N/A  
Efficacy: 121.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: General Diffuse

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

TEST NUMBER: P1439362

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

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

	0°	45°	90°
0°	21899	21899	21899
5°	21796	21811	21936
10°	21700	21668	21668
15°	21368	21368	21239
20°	21021	20805	20623
25°	20490	20233	19873
30°	19989	19468	19001
35°	19462	18740	18076
40°	18760	17867	17096
45°	18125	17091	16035
50°	17470	16163	15002
55°	16759	15266	14020
60°	15989	14340	12910
65°	15089	13286	11740
70°	14051	12052	10459
75°	12739	10577	9314
80°	11106	8868	8239
85°	8568	7497	7497

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 18125 cd/sqm



TEST NUMBER: P1439362

CATALOG NUMBER: CB3-125U-120D-927-1D-UNV-STD-W-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	365.2	1.8
10°-20°	1026.1	5.0
20°-30°	1490.8	7.2
30°-40°	1694.9	8.2
40°-50°	1645.4	8.0
50°-60°	1389.2	6.7
60°-70°	988.4	4.8
70°-80°	528.1	2.6
80°-90°	139.6	0.7
90°-100°	88.9	0.4
100°-110°	643.5	3.1
110°-120°	1530.0	7.4
120°-130°	1954.7	9.5
130°-140°	2108.4	10.2
140°-150°	1987.6	9.6
150°-160°	1621.4	7.9
160°-170°	1056.5	5.1
170°-180°	365.2	1.8
0°-30°	2882.1	14.0
0°-40°	4577.1	22.2
0°-60°	7611.7	36.9
0°-90°	9267.8	44.9
90°-120°	2262.4	11.0
90°-150°	8313.1	40.3
90°-180°	11356.0	55.1
0°-180°	20624.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3871	3871	3871	3871	3871	
5°	3838	3886	3841	3836	3863	364
15°	3648	3680	3648	3626	3626	1028
25°	3283	3293	3241	3197	3184	1512
35°	2818	2791	2714	2633	2617	1756
45°	2265	2230	2136	2034	2004	1747
55°	1699	1653	1548	1448	1421	1519
65°	1127	1087	992	904	877	1116
75°	583	551	484	434	426	621
85°	132	121	116	116	116	156
90°	0	0	0	3	0	11
95°	162	29	38	41	41	201
105°	815	826	838	61	64	859
115°	1528	1540	1543	1566	1575	1508
125°	2172	2186	2181	2204	2218	1938
135°	2729	2743	2720	2741	2758	2101
145°	3175	3195	3155	3176	3193	1987
155°	3517	3546	3497	3506	3529	1622
165°	3749	3769	3729	3718	3744	1059
175°	3857	3876	3825	3805	3816	367
180°	3848	3848	3848	3848	3848	



TEST NUMBER: P1439362

CATALOG NUMBER: CB3-125U-120D-927-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3871.0	3871.0	3871.0	3871.0	3871.0
2.5°	3851.2	3889.9	3855.6	3860.2	3868.8
5°	3838.0	3886.4	3840.7	3835.9	3862.7
7.5°	3808.3	3852.4	3805.0	3794.0	3818.2
10°	3777.5	3825.9	3772.0	3758.6	3772.0
12.5°	3722.5	3773.1	3730.2	3707.9	3719.2
15°	3648.3	3680.5	3648.3	3626.3	3626.3
17.5°	3557.6	3591.4	3530.6	3515.1	3509.2
20°	3491.6	3521.2	3455.8	3433.7	3425.6
22.5°	3403.6	3431.0	3376.7	3339.0	3328.8
25°	3282.6	3293.4	3241.4	3197.1	3183.7
27.5°	3161.1	3163.8	3092.4	3038.6	3020.9
30°	3059.9	3062.6	2980.2	2922.2	2908.7
32.5°	2958.8	2950.7	2872.4	2803.5	2794.4
35°	2818.0	2791.1	2713.5	2633.4	2617.3
37.5°	2648.1	2632.0	2540.3	2460.1	2435.9
40°	2540.3	2513.5	2419.4	2339.1	2314.9
42.5°	2432.6	2401.4	2305.0	2215.9	2189.5
45°	2265.4	2230.5	2136.2	2033.8	2004.2
47.5°	2097.1	2059.0	1955.3	1856.1	1823.3
50°	1985.0	1944.7	1836.5	1739.5	1704.6
52.5°	1870.6	1828.1	1719.9	1620.9	1592.4
55°	1699.1	1653.4	1547.8	1448.3	1421.4
57.5°	1527.5	1482.3	1377.4	1283.2	1250.9
60°	1413.1	1370.1	1267.4	1173.2	1141.0
62.5°	1296.6	1255.7	1155.2	1063.3	1033.2
65°	1127.2	1086.9	992.5	903.9	877.0
67.5°	959.5	925.1	831.9	750.6	729.1
70°	849.5	817.3	728.6	653.8	632.3
72.5°	744.0	709.5	625.2	561.6	546.6
75°	582.8	550.6	483.9	434.2	426.1
77.5°	435.5	409.1	351.4	323.2	318.9
80°	340.9	316.7	272.2	252.9	252.9
82.5°	252.9	233.0	204.0	195.7	195.7
85°	132.0	121.2	115.5	115.5	115.5
87.5°	39.6	39.6	37.4	35.8	35.2
90°	0.0	0.0	0.0	2.8	0.0
92.5°	44.1	16.9	13.9	16.8	16.2
95°	162.4	29.1	37.7	40.6	40.6
97.5°	327.1	320.9	44.1	52.8	53.4
100°	452.4	466.5	46.4	55.2	58.0
102.5°	591.6	603.5	85.8	57.5	60.3
105°	814.8	826.2	838.0	61.0	63.8
107.5°	1037.0	1045.5	1053.2	948.1	354.9
110°	1183.1	1191.6	1194.7	1223.8	1229.5



TEST NUMBER: P1439362

CATALOG NUMBER: CB3-125U-120D-927-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1320.0	1330.7	1336.2	1360.8	1371.0
115°	1528.2	1539.5	1542.7	1566.1	1574.6
117.5°	1725.9	1737.8	1743.3	1762.2	1775.8
120°	1855.8	1870.0	1873.2	1896.7	1908.0
122.5°	1983.4	1999.9	1998.5	2019.8	2035.6
125°	2171.9	2186.1	2180.6	2204.1	2218.3
127.5°	2351.1	2359.6	2347.6	2376.3	2388.2
130°	2464.8	2473.3	2459.0	2485.4	2499.6
132.5°	2569.2	2582.2	2565.7	2589.8	2604.0
135°	2728.7	2742.9	2720.0	2740.7	2757.7
137.5°	2870.8	2887.8	2860.3	2884.4	2899.2
140°	2963.6	2980.6	2946.2	2972.6	2989.7
142.5°	3049.4	3070.9	3029.7	3053.9	3073.2
145°	3175.2	3195.1	3154.9	3175.6	3192.6
147.5°	3294.7	3311.7	3273.3	3288.0	3299.9
150°	3366.6	3383.6	3340.5	3355.3	3369.5
152.5°	3424.6	3448.4	3405.5	3415.8	3436.8
155°	3517.4	3545.8	3497.1	3506.3	3529.0
157.5°	3602.7	3628.2	3579.5	3587.5	3607.3
160°	3653.7	3679.2	3630.5	3633.9	3653.7
162.5°	3693.1	3716.4	3674.6	3668.8	3693.1
165°	3749.4	3769.2	3729.1	3718.1	3743.6
167.5°	3796.4	3819.1	3769.7	3760.5	3789.4
170°	3821.9	3844.6	3792.9	3779.1	3810.3
172.5°	3838.1	3858.5	3809.1	3790.5	3814.9
175°	3856.7	3876.5	3824.8	3804.7	3816.1
177.5°	3861.9	3877.8	3836.4	3818.4	3845.7
180°	3848.0	3848.0	3848.0	3848.0	3848.0

TEST NUMBER: P1439362

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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	17.38	18.19	18.39	19.20	20.55	16.31	17.11	17.31	18.12	19.47
	3H	19.05	19.77	20.06	20.79	22.15	17.72	18.44	18.73	19.46	20.82
	4H	19.67	20.36	20.70	21.38	22.75	18.23	18.92	19.26	19.94	21.31
	6H	20.06	20.69	21.09	21.72	23.10	18.55	19.18	19.58	20.20	21.59
	8H	20.19	20.79	21.23	21.84	23.22	18.67	19.27	19.71	20.31	21.69
	12H	20.26	20.83	21.30	21.87	23.27	18.74	19.31	19.79	20.35	21.75
4H	2H	17.79	18.47	18.82	19.49	20.86	16.93	17.61	17.96	18.64	20.01
	3H	19.67	20.24	20.71	21.29	22.68	18.54	19.11	19.58	20.16	21.55
	4H	20.42	20.94	21.46	21.98	23.39	19.15	19.67	20.19	20.71	22.12
	6H	20.92	21.37	21.97	22.43	23.83	19.55	20.00	20.61	21.07	22.47
	8H	21.11	21.53	22.16	22.58	24.00	19.72	20.14	20.78	21.20	22.62
	12H	21.20	21.58	22.28	22.65	24.08	19.83	20.21	20.90	21.28	22.70
8H	4H	20.54	20.96	21.60	22.02	23.44	19.40	19.82	20.46	20.88	22.30
	6H	21.16	21.51	22.24	22.61	24.02	19.93	20.28	21.01	21.38	22.79
	8H	21.43	21.74	22.52	22.82	24.26	20.18	20.49	21.27	21.57	23.00
	12H	21.60	21.86	22.69	22.94	24.42	20.35	20.62	21.45	21.70	23.18
12H	4H	20.51	20.89	21.59	21.96	23.39	19.40	19.78	20.48	20.85	22.28
	6H	21.18	21.48	22.26	22.56	24.00	19.99	20.29	21.07	21.37	22.81
	8H	21.47	21.74	22.56	22.82	24.29	20.27	20.53	21.36	21.61	23.09