

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: P1439360

Luminaire Tested: CB3-125U-120D-840-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439360  
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-840-1D-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: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

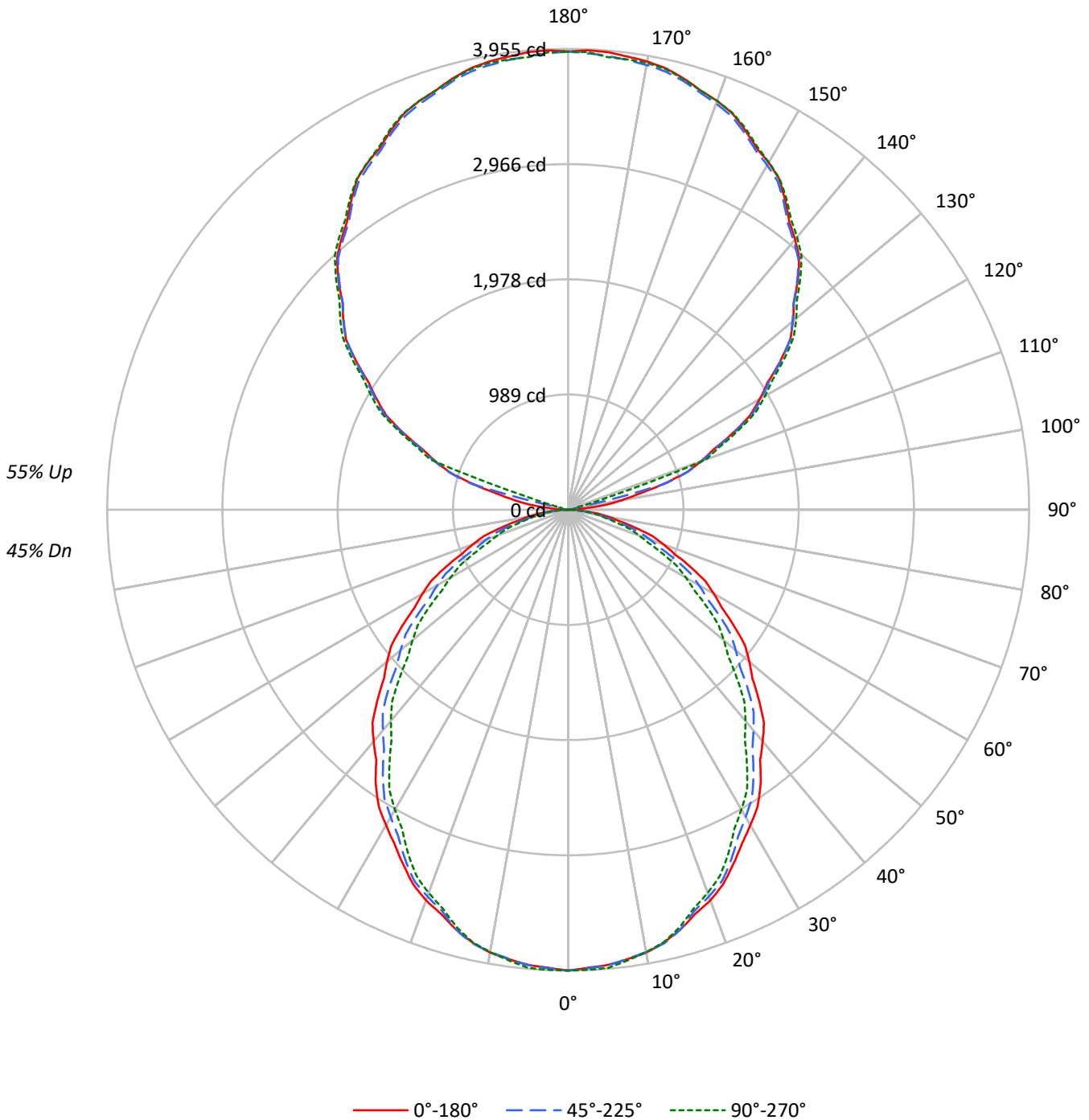
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21073.2 lumens  
Efficiency: N/A  
Efficacy: 124.5 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): 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: P1439360

CATALOG NUMBER: CB3-125U-120D-840-1D-UNV-STD-W-8

### 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	106	106	106	106	97	97	97	97	81	81	81	65	65	65	51	51	51	45																				
1	97	93	89	85	89	85	82	79	71	69	66	58	56	55	46	45	44	38																				
2	88	81	75	70	81	74	69	65	62	58	55	51	48	46	40	39	37	32																				
3	81	71	64	58	74	66	59	54	55	50	47	45	42	39	36	34	32	27																				
4	74	63	55	50	67	58	51	46	49	44	40	40	37	34	32	30	27	24																				
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24	21																				
6	62	51	43	37	57	47	40	35	40	34	30	33	29	26	26	24	21	18																				
7	58	46	38	32	53	42	35	30	36	30	26	30	26	23	24	21	19	16																				
8	54	41	34	29	49	38	32	27	33	27	24	27	23	20	22	19	17	15																				
9	50	38	30	25	46	35	29	24	30	25	21	25	21	18	21	18	15	13																				
10	47	35	28	23	43	32	26	22	28	23	19	23	19	16	19	16	14	12																				

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

	0°	45°	90°
0°	22376	22376	22376
5°	22270	22286	22414
10°	22173	22141	22141
15°	21833	21833	21701
20°	21478	21258	21072
25°	20937	20674	20306
30°	20424	19892	19415
35°	19886	19148	18469
40°	19169	18257	17468
45°	18519	17463	16384
50°	17851	16515	15329
55°	17123	15600	14324
60°	16337	14652	13191
65°	15418	13575	11995
70°	14357	12313	10687
75°	13016	10807	9517
80°	11347	9060	8418
85°	8750	7659	7659

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 18519 cd/sqm



TEST NUMBER: P1439360

CATALOG NUMBER: CB3-125U-120D-840-1D-UNV-STD-W-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	373.2	1.8
10°-20°	1048.4	5.0
20°-30°	1523.3	7.2
30°-40°	1731.9	8.2
40°-50°	1681.2	8.0
50°-60°	1419.4	6.7
60°-70°	1009.9	4.8
70°-80°	539.6	2.6
80°-90°	142.7	0.7
90°-100°	90.8	0.4
100°-110°	657.5	3.1
110°-120°	1563.3	7.4
120°-130°	1997.2	9.5
130°-140°	2154.3	10.2
140°-150°	2030.9	9.6
150°-160°	1656.8	7.9
160°-170°	1079.5	5.1
170°-180°	373.2	1.8
0°-30°	2944.9	14.0
0°-40°	4676.7	22.2
0°-60°	7777.4	36.9
0°-90°	9469.6	44.9
90°-120°	2311.6	11.0
90°-150°	8494.1	40.3
90°-180°	11604.0	55.1
0°-180°	21073.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3955	3955	3955	3955	3955	
5°	3922	3971	3924	3919	3947	372
15°	3728	3761	3728	3705	3705	1050
25°	3354	3365	3312	3267	3253	1545
35°	2879	2852	2773	2691	2674	1794
45°	2315	2279	2183	2078	2048	1785
55°	1736	1689	1582	1480	1452	1552
65°	1152	1111	1014	924	896	1141
75°	596	563	494	444	435	635
85°	135	124	118	118	118	160
90°	0	0	0	3	0	12
95°	166	30	38	42	42	205
105°	833	844	856	62	65	878
115°	1562	1573	1576	1600	1609	1540
125°	2219	2234	2228	2252	2267	1980
135°	2788	2803	2779	2800	2818	2147
145°	3244	3265	3224	3245	3262	2030
155°	3594	3623	3573	3583	3606	1657
165°	3831	3851	3810	3799	3825	1082
175°	3941	3961	3908	3888	3899	375
180°	3932	3932	3932	3932	3932	

TEST NUMBER: P1439360

CATALOG NUMBER: CB3-125U-120D-840-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3955.3	3955.3	3955.3	3955.3	3955.3
2.5°	3935.1	3974.6	3939.6	3944.2	3953.0
5°	3921.6	3971.0	3924.4	3919.4	3946.9
7.5°	3891.2	3936.3	3887.9	3876.6	3901.3
10°	3859.8	3909.2	3854.2	3840.4	3854.2
12.5°	3803.6	3855.2	3811.5	3788.7	3800.2
15°	3727.7	3760.7	3727.7	3705.3	3705.3
17.5°	3635.0	3669.6	3607.5	3591.6	3585.6
20°	3567.6	3597.8	3531.1	3508.4	3500.2
22.5°	3477.7	3505.7	3450.2	3411.8	3401.3
25°	3354.1	3365.1	3312.0	3266.7	3253.0
27.5°	3230.0	3232.7	3159.7	3104.8	3086.7
30°	3126.6	3129.3	3045.1	2985.8	2972.1
32.5°	3023.2	3015.0	2935.0	2864.6	2855.2
35°	2879.4	2851.9	2772.6	2690.8	2674.3
37.5°	2705.8	2689.3	2595.7	2513.6	2488.9
40°	2595.7	2568.2	2472.1	2390.0	2365.3
42.5°	2485.5	2453.7	2355.2	2264.1	2237.2
45°	2314.7	2279.0	2182.7	2078.1	2047.9
47.5°	2142.8	2103.8	1997.9	1896.5	1863.0
50°	2028.2	1987.0	1876.5	1777.4	1741.7
52.5°	1911.3	1867.9	1757.4	1656.2	1627.1
55°	1736.1	1689.4	1581.6	1479.8	1452.3
57.5°	1560.8	1514.6	1407.4	1311.1	1278.2
60°	1443.9	1400.0	1295.0	1198.8	1165.8
62.5°	1324.8	1283.0	1180.4	1086.4	1055.7
65°	1151.8	1110.6	1014.1	923.6	896.1
67.5°	980.4	945.2	850.0	767.0	745.0
70°	868.0	835.1	744.4	668.1	646.1
72.5°	760.2	725.0	638.8	573.8	558.5
75°	595.5	562.6	494.4	443.7	435.4
77.5°	445.0	418.1	359.0	330.3	325.9
80°	348.3	323.6	278.1	258.4	258.4
82.5°	258.4	238.1	208.4	200.0	200.0
85°	134.8	123.9	118.0	118.0	118.0
87.5°	40.5	40.5	38.2	36.5	36.0
90°	0.0	0.0	0.0	2.9	0.0
92.5°	45.0	17.2	14.2	17.2	16.6
95°	165.9	29.8	38.5	41.5	41.5
97.5°	334.2	327.8	45.0	53.9	54.5
100°	462.2	476.7	47.4	56.4	59.3
102.5°	604.4	616.6	87.7	58.7	61.6
105°	832.6	844.2	856.3	62.3	65.2
107.5°	1059.5	1068.2	1076.1	968.7	362.7
110°	1208.9	1217.6	1220.7	1250.5	1256.3



TEST NUMBER: P1439360

CATALOG NUMBER: CB3-125U-120D-840-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1348.7	1359.7	1365.3	1390.4	1400.9
115°	1561.5	1573.0	1576.3	1600.2	1608.9
117.5°	1763.5	1775.7	1781.3	1800.6	1814.5
120°	1896.3	1910.7	1914.0	1938.0	1949.6
122.5°	2026.6	2043.4	2042.0	2063.7	2080.0
125°	2219.2	2233.7	2228.1	2252.1	2266.6
127.5°	2402.3	2411.0	2398.8	2428.1	2440.3
130°	2518.5	2527.2	2512.5	2539.5	2554.0
132.5°	2625.1	2638.5	2621.6	2646.2	2660.7
135°	2788.1	2802.6	2779.2	2800.3	2817.7
137.5°	2933.3	2950.7	2922.6	2947.3	2962.3
140°	3028.1	3045.5	3010.3	3037.4	3054.8
142.5°	3115.8	3137.8	3095.6	3120.4	3140.1
145°	3244.4	3264.7	3223.6	3244.8	3262.2
147.5°	3366.5	3383.8	3344.5	3359.6	3371.8
150°	3439.9	3457.3	3413.3	3428.4	3442.9
152.5°	3499.2	3523.5	3479.6	3490.2	3511.6
155°	3594.0	3623.0	3573.3	3582.7	3605.9
157.5°	3681.1	3707.2	3657.4	3665.6	3685.9
160°	3733.3	3759.3	3709.6	3713.0	3733.3
162.5°	3773.6	3797.3	3754.6	3748.6	3773.6
165°	3831.0	3851.3	3810.3	3799.0	3825.1
167.5°	3879.0	3902.2	3851.8	3842.4	3871.9
170°	3905.1	3928.3	3875.5	3861.4	3893.3
172.5°	3921.7	3942.6	3892.1	3873.1	3898.0
175°	3940.7	3961.0	3908.1	3887.6	3899.2
177.5°	3946.0	3962.2	3919.9	3901.6	3929.4
180°	3931.8	3931.8	3931.8	3931.8	3931.8



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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	17.46	18.27	18.46	19.28	20.62	16.38	17.19	17.38	18.20	19.54
	3H	19.12	19.85	20.13	20.87	22.23	17.79	18.51	18.80	19.53	20.90
	4H	19.75	20.43	20.77	21.46	22.83	18.31	18.99	19.33	20.01	21.38
	6H	20.13	20.76	21.17	21.79	23.17	18.62	19.25	19.66	20.28	21.66
	8H	20.27	20.87	21.31	21.91	23.29	18.74	19.34	19.78	20.39	21.76
	12H	20.33	20.90	21.38	21.94	23.34	18.82	19.39	19.86	20.42	21.83
4H	2H	17.86	18.55	18.89	19.57	20.94	17.00	17.69	18.03	18.71	20.08
	3H	19.75	20.32	20.78	21.37	22.75	18.62	19.19	19.66	20.24	21.62
	4H	20.49	21.01	21.54	22.06	23.46	19.22	19.74	20.27	20.79	22.19
	6H	20.99	21.44	22.05	22.51	23.91	19.63	20.08	20.69	21.14	22.55
	8H	21.18	21.60	22.24	22.66	24.08	19.80	20.22	20.86	21.28	22.69
	12H	21.28	21.66	22.35	22.73	24.15	19.90	20.28	20.98	21.35	22.78
8H	4H	20.62	21.04	21.67	22.09	23.51	19.48	19.90	20.53	20.96	22.37
	6H	21.23	21.58	22.31	22.68	24.10	20.00	20.35	21.08	21.45	22.87
	8H	21.51	21.81	22.60	22.90	24.33	20.26	20.56	21.34	21.64	23.08
	12H	21.67	21.94	22.76	23.02	24.49	20.43	20.70	21.52	21.78	23.25
12H	4H	20.59	20.97	21.66	22.04	23.46	19.48	19.86	20.55	20.93	22.35
	6H	21.25	21.55	22.34	22.64	24.07	20.06	20.37	21.15	21.45	22.88
	8H	21.55	21.81	22.64	22.89	24.37	20.34	20.61	21.43	21.69	23.16