

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: P1439364

Luminaire Tested: CB3-125U-120D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439364
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-930-1D-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

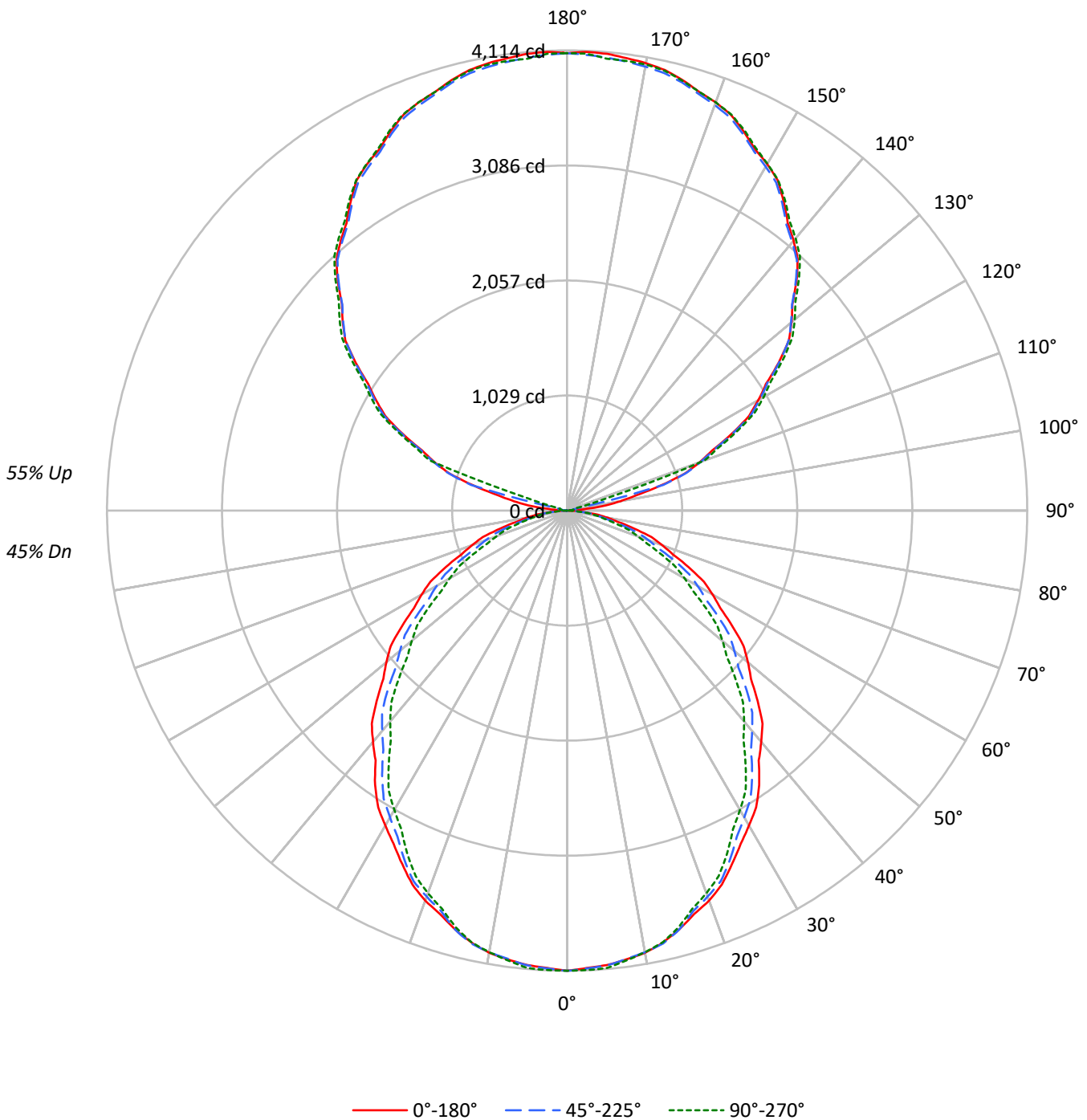
Lumens per Lamp: N/A
Luminaire Lumens: 21918.8 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 169.3
Input Voltage (V): 120
Input Current (A_{in}): 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: P1439364

CATALOG NUMBER: CB3-125U-120D-930-1D-UNV-STD-W-8

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				
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°	23274	23274	23274
5°	23164	23181	23313
10°	23063	23029	23029
15°	22709	22709	22572
20°	22340	22112	21918
25°	21777	21503	21120
30°	21244	20690	20194
35°	20684	19917	19210
40°	19938	18989	18169
45°	19262	18164	17041
50°	18567	17178	15944
55°	17810	16225	14899
60°	16992	15241	13720
65°	16037	14120	12477
70°	14935	12808	11115
75°	13539	11242	9900
80°	11803	9425	8757
85°	9107	7964	7964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19262 cd/sqm



TEST NUMBER: P1439364

CATALOG NUMBER: CB3-125U-120D-930-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.2	1.8
10°-20°	1090.5	5.0
20°-30°	1584.4	7.2
30°-40°	1801.4	8.2
40°-50°	1748.7	8.0
50°-60°	1476.4	6.7
60°-70°	1050.4	4.8
70°-80°	561.2	2.6
80°-90°	148.4	0.7
90°-100°	94.4	0.4
100°-110°	683.9	3.1
110°-120°	1626.0	7.4
120°-130°	2077.4	9.5
130°-140°	2240.8	10.2
140°-150°	2112.4	9.6
150°-160°	1723.3	7.9
160°-170°	1122.8	5.1
170°-180°	388.1	1.8
0°-30°	3063.1	14.0
0°-40°	4864.4	22.2
0°-60°	8089.5	36.9
0°-90°	9849.6	44.9
90°-120°	2404.4	11.0
90°-150°	8835.0	40.3
90°-180°	12069.0	55.1
0°-180°	21918.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4114	4114	4114	4114	4114	
5°	4079	4130	4082	4077	4105	387
15°	3877	3912	3877	3854	3854	1092
25°	3489	3500	3445	3398	3384	1607
35°	2995	2966	2884	2799	2782	1866
45°	2408	2370	2270	2162	2130	1857
55°	1806	1757	1645	1539	1511	1614
65°	1198	1155	1055	961	932	1187
75°	619	585	514	462	453	660
85°	140	129	123	123	123	166
90°	0	0	0	3	0	12
95°	173	31	40	43	43	213
105°	866	878	891	65	68	913
115°	1624	1636	1640	1664	1673	1602
125°	2308	2323	2318	2342	2358	2060
135°	2900	2915	2891	2913	2931	2233
145°	3375	3396	3353	3375	3393	2111
155°	3738	3768	3717	3726	3751	1724
165°	3985	4006	3963	3952	3979	1125
175°	4099	4120	4065	4044	4056	390
180°	4090	4090	4090	4090	4090	

TEST NUMBER: P1439364

CATALOG NUMBER: CB3-125U-120D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4114.0	4114.0	4114.0	4114.0	4114.0
2.5°	4093.0	4134.1	4097.6	4102.5	4111.7
5°	4078.9	4130.4	4081.9	4076.7	4105.2
7.5°	4047.4	4094.2	4043.9	4032.2	4057.9
10°	4014.7	4066.1	4008.8	3994.5	4008.8
12.5°	3956.2	4009.9	3964.4	3940.7	3952.7
15°	3877.3	3911.6	3877.3	3854.0	3854.0
17.5°	3780.9	3816.9	3752.3	3735.8	3729.5
20°	3710.8	3742.2	3672.8	3649.2	3640.7
22.5°	3617.3	3646.4	3588.6	3548.7	3537.8
25°	3488.7	3500.1	3444.9	3397.8	3383.5
27.5°	3359.6	3362.4	3286.5	3229.4	3210.6
30°	3252.0	3254.9	3167.3	3105.6	3091.3
32.5°	3144.5	3136.0	3052.8	2979.5	2969.8
35°	2994.9	2966.4	2883.9	2798.8	2781.6
37.5°	2814.4	2797.2	2699.8	2614.5	2588.8
40°	2699.8	2671.2	2571.3	2485.9	2460.2
42.5°	2585.3	2552.1	2449.7	2355.0	2327.0
45°	2407.6	2370.5	2270.3	2161.5	2130.0
47.5°	2228.8	2188.2	2078.0	1972.6	1937.8
50°	2109.6	2066.7	1951.8	1848.7	1811.6
52.5°	1988.0	1942.9	1827.9	1722.6	1692.4
55°	1805.7	1757.2	1645.0	1539.2	1510.6
57.5°	1623.4	1575.4	1463.9	1363.7	1329.5
60°	1501.8	1456.1	1347.0	1246.9	1212.6
62.5°	1378.0	1334.5	1227.8	1130.0	1098.0
65°	1198.0	1155.1	1054.8	960.6	932.1
67.5°	1019.7	983.2	884.2	797.7	774.9
70°	902.9	868.6	774.3	694.9	672.0
72.5°	790.7	754.1	664.4	596.9	580.9
75°	619.4	585.2	514.3	461.5	452.9
77.5°	462.8	434.8	373.4	343.5	338.9
80°	362.3	336.6	289.3	268.8	268.8
82.5°	268.8	247.7	216.8	208.0	208.0
85°	140.3	128.8	122.7	122.7	122.7
87.5°	42.1	42.1	39.7	38.0	37.4
90°	0.0	0.0	0.0	3.0	0.0
92.5°	46.8	17.9	14.8	17.9	17.3
95°	172.6	31.0	40.1	43.1	43.1
97.5°	347.6	341.0	46.8	56.1	56.7
100°	480.8	495.8	49.3	58.6	61.6
102.5°	628.7	641.3	91.2	61.1	64.1
105°	866.0	878.0	890.6	64.8	67.8
107.5°	1102.1	1111.1	1119.3	1007.6	377.2
110°	1257.4	1266.4	1269.7	1300.7	1306.7



TEST NUMBER: P1439364

CATALOG NUMBER: CB3-125U-120D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1402.8	1414.3	1420.1	1446.2	1457.1
115°	1624.1	1636.2	1639.5	1664.4	1673.4
117.5°	1834.3	1846.9	1852.8	1872.8	1887.3
120°	1972.4	1987.4	1990.8	2015.8	2027.8
122.5°	2108.0	2125.4	2124.0	2146.6	2163.4
125°	2308.3	2323.3	2317.5	2342.5	2357.6
127.5°	2498.7	2507.8	2495.0	2525.5	2538.2
130°	2619.5	2628.6	2613.4	2641.5	2656.5
132.5°	2730.5	2744.3	2726.8	2752.4	2767.5
135°	2900.0	2915.0	2890.7	2912.7	2930.8
137.5°	3051.0	3069.1	3039.9	3065.5	3081.2
140°	3149.6	3167.7	3131.1	3159.3	3177.3
142.5°	3240.8	3263.7	3219.9	3245.6	3266.1
145°	3374.6	3395.7	3353.0	3375.0	3393.1
147.5°	3501.5	3519.6	3478.7	3494.4	3507.1
150°	3578.0	3596.1	3550.2	3566.0	3581.1
152.5°	3639.6	3664.9	3619.3	3630.3	3652.6
155°	3738.2	3768.4	3716.7	3726.5	3750.6
157.5°	3828.8	3856.0	3804.2	3812.7	3833.8
160°	3883.1	3910.2	3858.4	3862.0	3883.1
162.5°	3925.0	3949.7	3905.3	3899.1	3925.0
165°	3984.8	4005.9	3963.2	3951.5	3978.6
167.5°	4034.7	4058.8	4006.3	3996.6	4027.3
170°	4061.8	4085.9	4031.0	4016.3	4049.5
172.5°	4079.1	4100.8	4048.3	4028.5	4054.4
175°	4098.8	4119.9	4064.9	4043.6	4055.7
177.5°	4104.4	4121.2	4077.2	4058.2	4087.1
180°	4089.6	4089.6	4089.6	4089.6	4089.6



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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	17.60	18.40	18.60	19.41	20.76	16.52	17.33	17.52	18.34	19.68
	3H	19.26	19.98	20.27	21.00	22.37	17.93	18.65	18.94	19.67	21.03
	4H	19.89	20.57	20.91	21.59	22.97	18.44	19.13	19.47	20.15	21.52
	6H	20.27	20.90	21.30	21.93	23.31	18.76	19.39	19.79	20.41	21.80
	8H	20.40	21.00	21.44	22.05	23.43	18.88	19.48	19.92	20.52	21.90
	12H	20.47	21.04	21.52	22.08	23.48	18.95	19.52	20.00	20.56	21.96
4H	2H	18.00	18.68	19.03	19.71	21.08	17.14	17.82	18.17	18.85	20.22
	3H	19.88	20.45	20.92	21.50	22.89	18.75	19.32	19.79	20.37	21.76
	4H	20.63	21.15	21.68	22.19	23.60	19.36	19.88	20.40	20.92	22.33
	6H	21.13	21.58	22.18	22.64	24.05	19.77	20.22	20.82	21.28	22.68
	8H	21.32	21.74	22.37	22.80	24.21	19.94	20.35	20.99	21.41	22.83
	12H	21.41	21.79	22.49	22.86	24.29	20.04	20.42	21.11	21.49	22.91
8H	4H	20.75	21.17	21.81	22.23	23.65	19.61	20.03	20.67	21.09	22.51
	6H	21.37	21.72	22.45	22.82	24.23	20.14	20.49	21.22	21.59	23.00
	8H	21.65	21.95	22.73	23.03	24.47	20.39	20.70	21.48	21.78	23.21
	12H	21.81	22.08	22.90	23.15	24.63	20.57	20.83	21.66	21.91	23.39
12H	4H	20.72	21.10	21.80	22.18	23.60	19.61	19.99	20.69	21.07	22.49
	6H	21.39	21.69	22.47	22.78	24.21	20.20	20.50	21.28	21.59	23.02
	8H	21.68	21.95	22.77	23.03	24.51	20.48	20.74	21.57	21.82	23.30