

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: P1439350

Luminaire Tested: CB3-125U-085D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439350
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-085D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

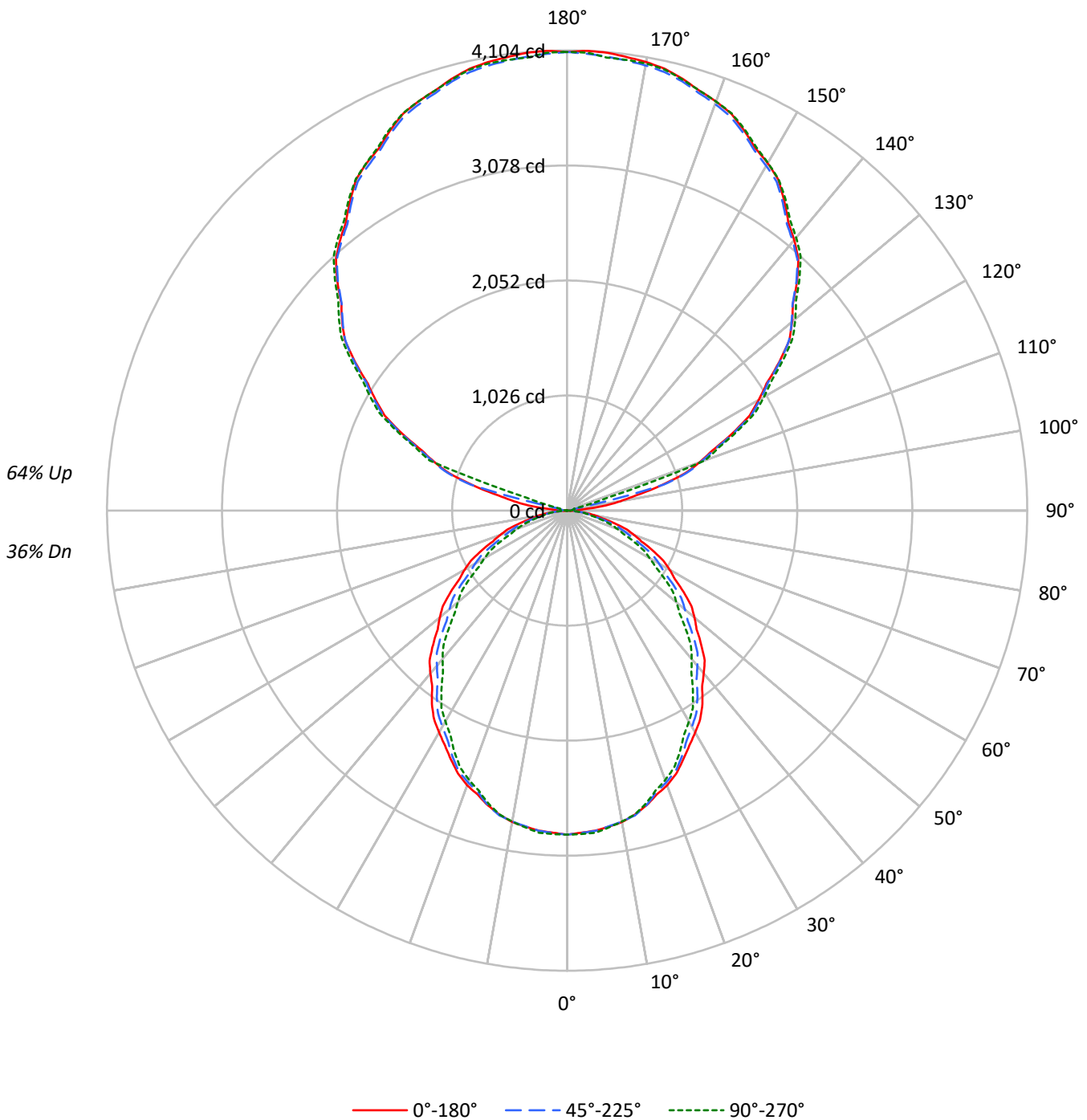
Lumens per Lamp: N/A
Luminaire Lumens: 18988.3 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 144.6
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

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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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	36				
1	95	91	87	84	86	82	79	76	67	64	62	52	51	49	39	38	37	31				
2	86	79	73	68	78	72	67	63	58	55	52	46	43	41	34	33	31	26				
3	79	70	63	57	71	63	57	53	52	47	44	41	38	35	30	29	27	22				
4	72	62	54	48	65	56	50	45	46	41	37	36	33	30	27	25	23	19				
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17				
6	61	49	41	36	55	45	38	33	37	32	28	29	26	23	22	20	18	15				
7	56	44	37	31	51	41	34	29	33	28	25	27	23	20	20	18	16	13				
8	52	40	33	28	47	37	30	26	30	25	22	24	21	18	19	16	14	12				
9	49	37	29	25	44	34	27	23	28	23	19	22	19	16	17	15	13	11				
10	45	34	27	22	41	31	25	20	26	21	18	21	17	15	16	14	12	10				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16350	16350	16350
5°	16272	16284	16377
10°	16201	16177	16177
15°	15952	15952	15856
20°	15693	15533	15396
25°	15298	15105	14836
30°	14923	14534	14186
35°	14529	13991	13495
40°	14006	13339	12763
45°	13531	12759	11971
50°	13042	12067	11200
55°	12511	11398	10467
60°	11937	10706	9638
65°	11265	9919	8765
70°	10490	8997	7809
75°	9510	7895	6953
80°	8291	6620	6151
85°	6394	5595	5595

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13531 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.7	1.4
10°-20°	766.1	4.0
20°-30°	1113.0	5.9
30°-40°	1265.4	6.7
40°-50°	1228.4	6.5
50°-60°	1037.1	5.5
60°-70°	737.9	3.9
70°-80°	394.2	2.1
80°-90°	104.3	0.5
90°-100°	94.4	0.5
100°-110°	683.9	3.6
110°-120°	1626.0	8.6
120°-130°	2077.4	10.9
130°-140°	2240.8	11.8
140°-150°	2112.4	11.1
150°-160°	1723.3	9.1
160°-170°	1122.8	5.9
170°-180°	388.1	2.0
0°-30°	2151.7	11.3
0°-40°	3417.1	18.0
0°-60°	5682.6	29.9
0°-90°	6919.1	36.4
90°-120°	2404.4	12.7
90°-150°	8835.0	46.5
90°-180°	12069.0	63.6
0°-180°	18988.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2890	2890	2890	2890	2890	
5°	2865	2901	2867	2864	2884	272
15°	2724	2748	2724	2707	2707	767
25°	2451	2459	2420	2387	2377	1129
35°	2104	2084	2026	1966	1954	1311
45°	1691	1665	1595	1518	1496	1305
55°	1268	1234	1156	1081	1061	1134
65°	842	811	741	675	655	834
75°	435	411	361	324	318	464
85°	98	90	86	86	86	117
90°	0	0	0	3	0	10
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2890.0	2890.0	2890.0	2890.0	2890.0
2.5°	2875.2	2904.1	2878.5	2881.9	2888.3
5°	2865.3	2901.4	2867.4	2863.7	2883.8
7.5°	2843.2	2876.1	2840.7	2832.5	2850.5
10°	2820.2	2856.3	2816.1	2806.0	2816.1
12.5°	2779.1	2816.8	2784.9	2768.2	2776.7
15°	2723.7	2747.8	2723.7	2707.3	2707.3
17.5°	2656.0	2681.3	2635.9	2624.3	2619.8
20°	2606.7	2628.8	2580.0	2563.5	2557.4
22.5°	2541.0	2561.5	2520.9	2492.8	2485.2
25°	2450.7	2458.7	2419.9	2386.9	2376.8
27.5°	2360.0	2362.0	2308.7	2268.6	2255.3
30°	2284.5	2286.5	2224.9	2181.6	2171.6
32.5°	2208.9	2202.9	2144.5	2093.0	2086.2
35°	2103.8	2083.8	2025.8	1966.0	1954.0
37.5°	1977.0	1965.0	1896.5	1836.6	1818.5
40°	1896.5	1876.5	1806.2	1746.3	1728.2
42.5°	1816.1	1792.8	1720.8	1654.3	1634.6
45°	1691.3	1665.2	1594.8	1518.4	1496.3
47.5°	1565.7	1537.2	1459.8	1385.7	1361.2
50°	1481.9	1451.8	1371.1	1298.7	1272.6
52.5°	1396.5	1364.8	1284.1	1210.1	1188.8
55°	1268.5	1234.3	1155.6	1081.2	1061.2
57.5°	1140.4	1106.7	1028.3	958.0	933.9
60°	1055.0	1022.9	946.2	875.9	851.8
62.5°	968.0	937.5	862.5	793.8	771.3
65°	841.5	811.4	741.0	674.8	654.8
67.5°	716.3	690.6	621.1	560.4	544.3
70°	634.2	610.1	543.9	488.1	472.1
72.5°	555.4	529.7	466.7	419.3	408.0
75°	435.1	411.1	361.2	324.2	318.1
77.5°	325.1	305.5	262.3	241.3	238.1
80°	254.5	236.5	203.2	188.8	188.8
82.5°	188.8	174.0	152.3	146.1	146.1
85°	98.5	90.5	86.2	86.2	86.2
87.5°	29.6	29.6	27.9	26.9	26.3
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



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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	15.45	16.20	16.52	17.26	18.72	14.37	15.12	15.44	16.19	17.64
	3H	17.11	17.78	18.19	18.85	20.32	15.78	16.44	16.85	17.52	18.99
	4H	17.73	18.37	18.82	19.44	20.92	16.29	16.92	17.38	18.00	19.48
	6H	18.11	18.69	19.21	19.78	21.27	16.60	17.18	17.70	18.26	19.75
	8H	18.25	18.80	19.35	19.90	21.38	16.72	17.27	17.82	18.37	19.86
	12H	18.31	18.84	19.42	19.93	21.43	16.79	17.32	17.90	18.41	19.92
4H	2H	15.85	16.48	16.94	17.56	19.03	14.99	15.62	16.08	16.70	18.17
	3H	17.72	18.25	18.83	19.36	20.85	16.59	17.12	17.70	18.23	19.72
	4H	18.47	18.95	19.57	20.05	21.56	17.20	17.68	18.30	18.78	20.29
	6H	18.96	19.38	20.08	20.50	22.00	17.60	18.02	18.72	19.13	20.64
	8H	19.15	19.54	20.27	20.65	22.17	17.77	18.16	18.88	19.27	20.79
	12H	19.24	19.59	20.37	20.72	22.24	17.87	18.22	19.00	19.34	20.87
8H	4H	18.59	18.97	19.70	20.08	21.61	17.45	17.84	18.56	18.95	20.47
	6H	19.20	19.52	20.34	20.67	22.19	17.97	18.29	19.11	19.44	20.96
	8H	19.48	19.76	20.62	20.89	22.43	18.22	18.50	19.37	19.64	21.17
	12H	19.64	19.88	20.78	21.01	22.58	18.39	18.64	19.54	19.77	21.34
12H	4H	18.56	18.91	19.69	20.03	21.55	17.45	17.80	18.58	18.92	20.44
	6H	19.22	19.50	20.36	20.63	22.17	18.03	18.31	19.17	19.44	20.98
	8H	19.51	19.76	20.66	20.89	22.46	18.31	18.55	19.45	19.68	21.25