

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: P1439482

Luminaire Tested: CB3-B-125U-085D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439482
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-B-125U-085D-927-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

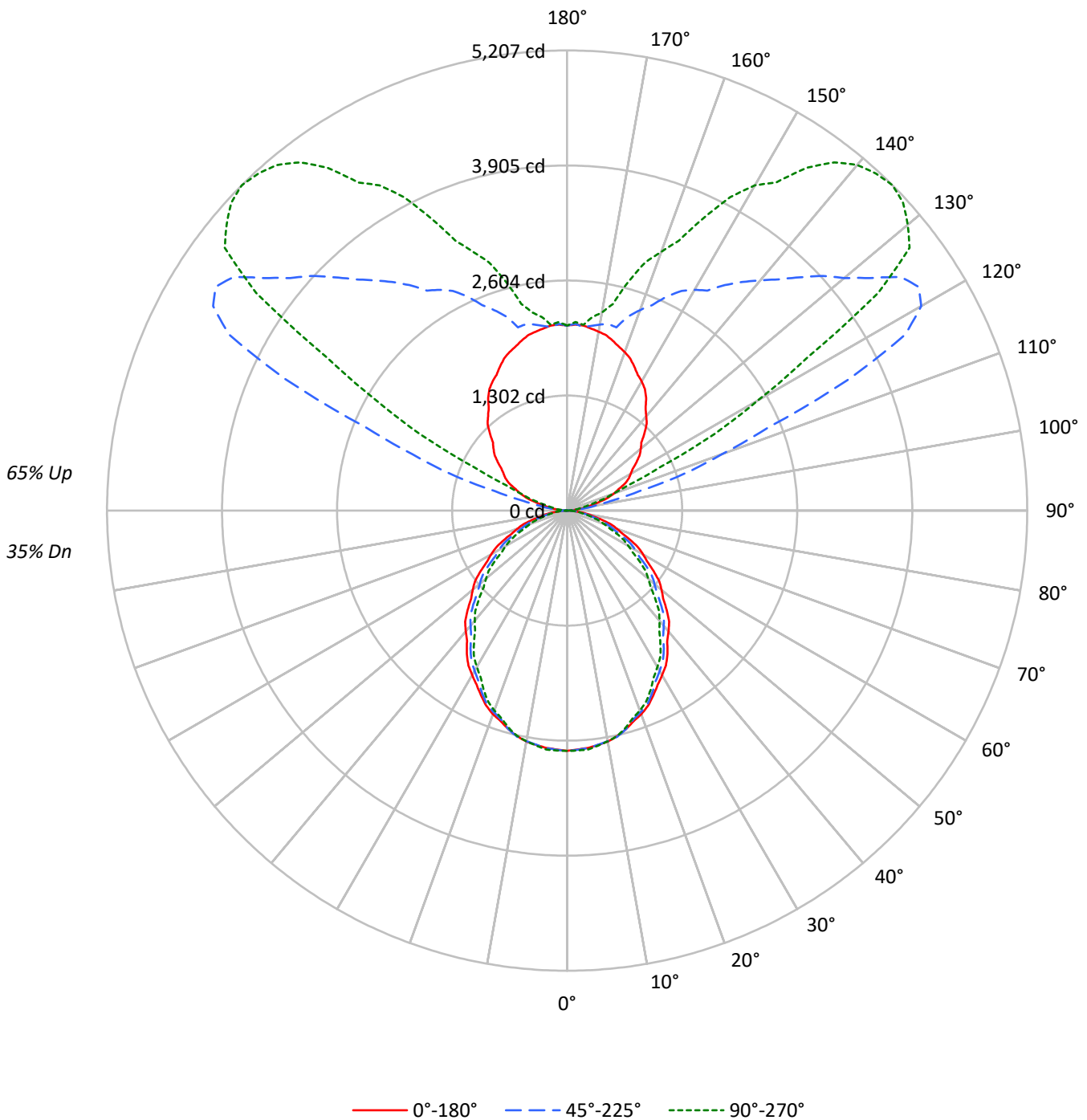
Lumens per Lamp: N/A
Luminaire Lumens: 18814.9 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

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

TEST NUMBER: P1439482

CATALOG NUMBER: CB3-B-125U-085D-927-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P1439482

CATALOG NUMBER: CB3-B-125U-085D-927-1D-UNV-STD-W-8

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	0
RCR																		
0	103	103	103	103	93	93	93	93	75	75	75	58	58	58	42	42	42	35
1	94	90	87	83	85	82	79	76	66	63	62	51	49	48	37	36	36	29
2	86	79	73	68	78	72	67	62	58	54	51	45	42	40	33	31	30	25
3	79	69	62	57	71	63	57	52	51	47	43	40	37	34	29	27	26	21
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22	18
5	66	55	47	41	59	50	43	38	40	35	32	32	28	25	24	21	20	16
6	61	49	41	36	55	45	38	33	36	31	28	29	25	22	21	19	17	14
7	56	44	36	31	51	40	34	29	33	28	24	26	22	20	20	17	15	13
8	52	40	33	27	47	37	30	25	30	25	21	24	20	18	18	16	14	11
9	48	36	29	24	44	33	27	23	27	23	19	22	18	16	17	14	12	10
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15383	15383	15383
5°	15311	15322	15409
10°	15244	15221	15221
15°	15010	15010	14920
20°	14766	14615	14487
25°	14394	14213	13960
30°	14042	13676	13348
35°	13672	13165	12698
40°	13179	12551	12009
45°	12732	12006	11264
50°	12272	11354	10539
55°	11772	10724	9848
60°	11232	10073	9069
65°	10599	9333	8247
70°	9872	8466	7347
75°	8949	7430	6542
80°	7803	6229	5789
85°	6017	5264	5264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12732 cd/sqm



TEST NUMBER: P1439482

CATALOG NUMBER: CB3-B-125U-085D-927-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.6	1.4
10°-20°	720.8	3.8
20°-30°	1047.2	5.6
30°-40°	1190.6	6.3
40°-50°	1155.8	6.1
50°-60°	975.9	5.2
60°-70°	694.3	3.7
70°-80°	371.0	2.0
80°-90°	98.0	0.5
90°-100°	141.5	0.8
100°-110°	741.4	3.9
110°-120°	1866.2	9.9
120°-130°	2879.0	15.3
130°-140°	2635.6	14.0
140°-150°	1945.1	10.3
150°-160°	1239.9	6.6
160°-170°	652.8	3.5
170°-180°	203.2	1.1
0°-30°	2024.6	10.8
0°-40°	3215.3	17.1
0°-60°	5347.0	28.4
0°-90°	6510.2	34.6
90°-120°	2749.0	14.6
90°-150°	10208.7	54.3
90°-180°	12305.0	65.4
0°-180°	18814.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2719	2719	2719	2719	2719	
5°	2696	2730	2698	2695	2713	256
15°	2563	2586	2563	2547	2547	722
25°	2306	2314	2277	2246	2236	1062
35°	1980	1961	1906	1850	1839	1234
45°	1591	1567	1501	1429	1408	1227
55°	1194	1161	1087	1017	998	1067
65°	792	764	697	635	616	784
75°	409	387	340	305	299	436
85°	93	85	81	81	81	110
90°	0	0	0	0	0	7
95°	74	209	83	46	46	93
105°	378	1171	848	349	286	404
115°	719	1467	3520	1531	1161	700
125°	958	1481	4608	4646	4295	858
135°	1235	1649	3732	5090	5207	954
145°	1558	1801	3115	4332	4737	968
155°	1797	1932	2673	3307	3650	829
165°	1991	2045	2147	2511	2682	561
175°	2101	2146	2083	2092	2110	199
180°	2092	2092	2092	2092	2092	

TEST NUMBER: P1439482

CATALOG NUMBER: CB3-B-125U-085D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2719.2	2719.2	2719.2	2719.2	2719.2
2.5°	2705.3	2732.5	2708.4	2711.7	2717.7
5°	2696.1	2730.1	2698.0	2694.6	2713.4
7.5°	2675.2	2706.2	2672.9	2665.2	2682.2
10°	2653.6	2687.6	2649.7	2640.3	2649.7
12.5°	2615.0	2650.5	2620.4	2604.7	2612.6
15°	2562.8	2585.5	2562.8	2547.4	2547.4
17.5°	2499.1	2522.9	2480.1	2469.2	2465.1
20°	2452.7	2473.5	2427.6	2412.0	2406.4
22.5°	2390.9	2410.2	2372.0	2345.6	2338.4
25°	2305.9	2313.5	2277.0	2245.9	2236.4
27.5°	2220.6	2222.5	2172.3	2134.6	2122.1
30°	2149.5	2151.4	2093.5	2052.7	2043.3
32.5°	2078.4	2072.8	2017.8	1969.4	1963.0
35°	1979.6	1960.7	1906.2	1849.9	1838.6
37.5°	1860.2	1848.9	1784.5	1728.1	1711.1
40°	1784.5	1765.6	1699.5	1643.1	1626.1
42.5°	1708.8	1686.9	1619.2	1556.6	1538.1
45°	1591.4	1566.8	1500.6	1428.7	1407.9
47.5°	1473.2	1446.4	1373.5	1303.9	1280.8
50°	1394.4	1366.1	1290.1	1221.9	1197.4
52.5°	1314.0	1284.2	1208.2	1138.6	1118.6
55°	1193.5	1161.4	1087.3	1017.4	998.5
57.5°	1073.0	1041.3	967.6	901.4	878.7
60°	992.7	962.5	890.3	824.1	801.5
62.5°	910.8	882.1	811.5	746.9	725.8
65°	791.8	763.5	697.2	635.0	616.1
67.5°	674.0	649.8	584.4	527.3	512.2
70°	596.8	574.1	511.8	459.3	444.2
72.5°	522.6	498.4	439.2	394.5	383.9
75°	409.4	386.8	339.9	305.0	299.3
77.5°	305.9	287.4	246.8	227.0	224.0
80°	239.5	222.5	191.2	177.7	177.7
82.5°	177.7	163.7	143.3	137.5	137.5
85°	92.7	85.1	81.1	81.1	81.1
87.5°	27.8	27.8	26.3	24.7	24.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	22.1	51.0	14.7	7.5	14.7
95°	73.7	208.9	82.9	46.1	46.1
97.5°	153.0	466.6	213.8	114.0	103.2
100°	212.0	662.5	331.8	165.5	147.5
102.5°	278.3	858.6	501.3	224.1	191.7
105°	377.9	1170.8	847.9	348.8	285.7
107.5°	488.4	1384.1	1397.1	537.7	433.1
110°	562.2	1472.3	1861.6	705.9	543.7



TEST NUMBER: P1439482

CATALOG NUMBER: CB3-B-125U-085D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	628.5	1495.4	2480.9	962.7	742.8
115°	718.8	1466.8	3520.5	1530.7	1161.2
117.5°	785.2	1396.1	4309.4	2435.1	1878.2
120°	829.4	1397.1	4626.4	3119.3	2497.5
122.5°	881.0	1405.5	4714.9	3798.7	3227.4
125°	958.5	1481.1	4608.0	4646.0	4294.6
127.5°	1035.9	1536.9	4320.4	4994.4	4884.4
130°	1087.5	1574.1	4091.9	5113.0	5031.9
132.5°	1139.1	1611.3	3929.7	5115.8	5157.2
135°	1234.9	1649.4	3732.4	5089.8	5207.0
137.5°	1332.6	1696.7	3548.1	4928.7	5172.0
140°	1391.6	1734.0	3400.7	4754.2	5105.6
142.5°	1458.0	1764.3	3260.6	4592.5	4965.5
145°	1557.5	1800.8	3115.0	4331.5	4737.0
147.5°	1634.9	1820.5	2950.9	4068.1	4403.4
150°	1686.5	1821.7	2884.6	3834.0	4248.5
152.5°	1730.7	1858.7	2803.5	3619.4	3997.9
155°	1797.1	1932.3	2672.6	3307.1	3649.5
157.5°	1863.5	1993.2	2517.8	3074.2	3306.7
160°	1907.7	2015.8	2414.6	2961.8	3115.0
162.5°	1944.6	2038.3	2304.0	2770.6	2945.4
165°	1990.6	2044.7	2147.3	2510.6	2681.8
167.5°	2033.0	2060.1	2160.2	2255.5	2394.3
170°	2055.1	2082.2	2138.1	2231.3	2276.3
172.5°	2077.3	2118.7	2108.6	2172.1	2210.0
175°	2101.2	2146.3	2082.8	2092.4	2110.4
177.5°	2106.8	2128.4	2114.1	2114.6	2136.2
180°	2092.0	2092.0	2092.0	2092.0	2092.0



TEST NUMBER: P1439482
 CATALOG NUMBER: CB3-B-125U-085D-927-1D-UNV-STD-W-8

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	15.02	15.75	16.10	16.83	18.31	13.94	14.67	15.02	15.75	17.23
	3H	16.68	17.33	17.77	18.42	19.91	15.35	16.00	16.44	17.09	18.58
	4H	17.30	17.92	18.40	19.01	20.51	15.86	16.48	16.96	17.57	19.07
	6H	17.68	18.25	18.79	19.34	20.86	16.17	16.74	17.28	17.83	19.34
	8H	17.81	18.36	18.93	19.47	20.97	16.29	16.83	17.40	17.94	19.45
	12H	17.88	18.39	18.99	19.49	21.02	16.36	16.87	17.48	17.98	19.51
4H	2H	15.41	16.03	16.52	17.12	18.62	14.55	15.18	15.66	16.26	17.76
	3H	17.29	17.81	18.40	18.92	20.44	16.16	16.68	17.28	17.79	19.31
	4H	18.03	18.51	19.15	19.62	21.15	16.76	17.24	17.88	18.34	19.88
	6H	18.53	18.94	19.65	20.07	21.59	17.17	17.57	18.29	18.70	20.23
	8H	18.72	19.10	19.84	20.22	21.76	17.33	17.71	18.46	18.84	20.38
	12H	18.81	19.15	19.95	20.29	21.83	17.43	17.78	18.58	18.91	20.46
8H	4H	18.15	18.53	19.28	19.65	21.20	17.01	17.39	18.14	18.51	20.06
	6H	18.77	19.08	19.91	20.24	21.78	17.54	17.85	18.68	19.01	20.55
	8H	19.04	19.32	20.19	20.46	22.02	17.79	18.06	18.94	19.21	20.76
	12H	19.20	19.44	20.36	20.58	22.17	17.96	18.20	19.11	19.34	20.93
12H	4H	18.12	18.46	19.26	19.60	21.14	17.01	17.35	18.15	18.49	20.03
	6H	18.78	19.06	19.93	20.20	21.76	17.59	17.87	18.75	19.01	20.57
	8H	19.08	19.32	20.23	20.46	22.05	17.87	18.11	19.03	19.25	20.84