

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: P1438970

Luminaire Tested: CB2-B-125U-120D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438970
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-B-125U-120D-927-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

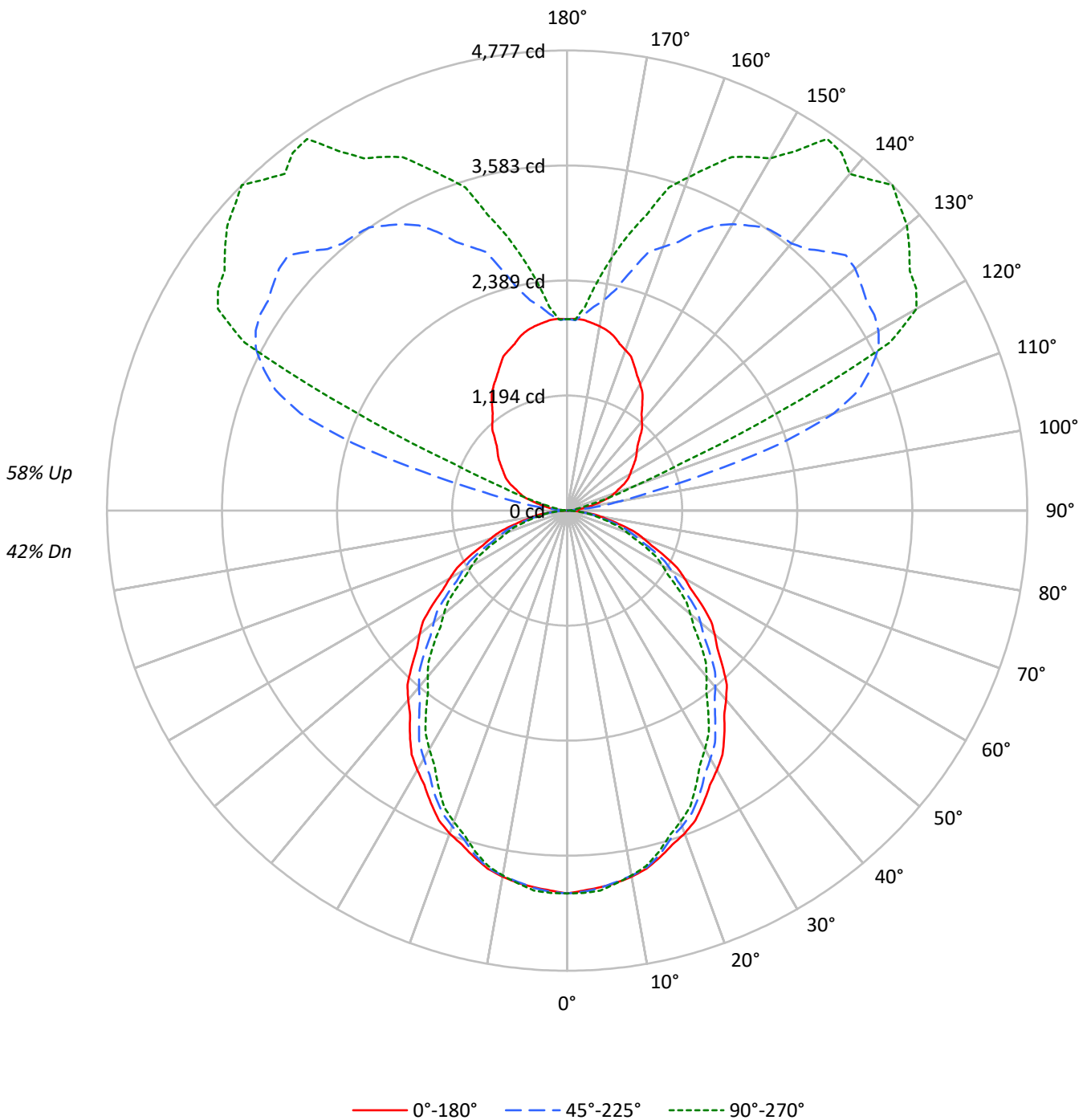
Lumens per Lamp: N/A
Luminaire Lumens: 22319.5 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 184.3
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

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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	0
RCR																		
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	48	48	48	42
1	96	92	88	85	87	84	81	78	69	67	65	55	54	53	43	42	41	35
2	88	80	74	69	80	74	68	64	61	57	54	49	46	44	38	36	35	30
3	80	71	64	58	73	65	59	54	54	49	45	43	40	37	34	32	30	25
4	73	63	55	49	67	57	51	46	48	43	39	39	35	32	30	28	26	22
5	67	56	48	42	61	51	44	39	43	38	34	35	31	28	27	25	23	19
6	62	50	42	36	56	46	39	34	39	33	29	31	28	25	25	22	20	17
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15
8	53	41	33	28	48	38	31	26	32	27	23	26	22	19	21	18	16	14
9	49	37	30	25	45	35	28	24	29	24	21	24	20	17	19	17	14	12
10	46	34	27	23	42	32	25	21	27	22	18	22	18	16	18	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34613	34613	34613
5°	34320	34373	34613
10°	34125	34044	34017
15°	33585	33365	33091
20°	33056	32323	31871
25°	32168	31261	30384
30°	31277	29899	28767
35°	30251	28505	27146
40°	29166	27194	25603
45°	28074	25825	24101
50°	27090	24491	22636
55°	25877	23104	21255
60°	24489	21786	19878
65°	23015	20318	18500
70°	21388	18674	16739
75°	19455	16898	15155
80°	17397	14805	13736
85°	13379	12160	10032

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 28074 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.8	1.7
10°-20°	1041.9	4.7
20°-30°	1498.1	6.7
30°-40°	1683.8	7.5
40°-50°	1626.6	7.3
50°-60°	1374.3	6.2
60°-70°	987.1	4.4
70°-80°	539.5	2.4
80°-90°	143.3	0.6
90°-100°	148.8	0.7
100°-110°	921.6	4.1
110°-120°	2324.2	10.4
120°-130°	2793.9	12.5
130°-140°	2533.2	11.3
140°-150°	2020.0	9.1
150°-160°	1377.9	6.2
160°-170°	728.7	3.3
170°-180°	202.8	0.9
0°-30°	2913.7	13.1
0°-40°	4597.5	20.6
0°-60°	7598.4	34.0
0°-90°	9268.4	41.5
90°-120°	3394.6	15.2
90°-150°	10741.7	48.1
90°-180°	13051.0	58.5
0°-180°	22319.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3975	3975	3975	3975	3975	
5°	3926	3980	3932	3933	3959	373
15°	3725	3758	3701	3664	3670	1050
25°	3348	3351	3253	3180	3162	1541
35°	2846	2813	2681	2577	2553	1778
45°	2280	2232	2097	1987	1957	1761
55°	1704	1642	1522	1427	1400	1524
65°	1117	1075	986	916	898	1108
75°	578	542	502	462	450	619
85°	134	125	122	106	100	159
90°	0	0	0	0	0	8
95°	77	194	60	43	43	98
105°	377	1055	1524	382	257	396
115°	651	1438	3476	3236	2466	638
125°	848	1743	3793	4316	4341	759
135°	1062	1932	3801	4451	4777	825
145°	1361	2031	3587	4324	4709	851
155°	1652	2071	3193	3849	4050	760
165°	1875	2051	2577	3034	3176	526
175°	1986	2011	2046	2081	2123	188
180°	1986	1986	1986	1986	1986	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3974.6	3974.6	3974.6	3974.6	3974.6
2.5°	3947.8	3995.4	3960.0	3965.0	3972.2
5°	3925.9	3979.5	3932.0	3932.6	3959.4
7.5°	3897.9	3948.5	3888.8	3877.8	3902.8
10°	3859.0	3909.5	3849.8	3828.9	3846.8
12.5°	3807.8	3856.0	3798.7	3765.6	3781.1
15°	3725.1	3757.8	3700.7	3664.3	3670.3
17.5°	3635.0	3655.2	3572.9	3542.3	3536.4
20°	3566.8	3584.7	3487.7	3444.9	3439.0
22.5°	3479.2	3494.6	3392.7	3340.2	3331.9
25°	3347.7	3350.7	3253.3	3179.9	3162.0
27.5°	3210.1	3200.6	3092.6	3005.7	2982.5
30°	3110.3	3098.4	2973.3	2881.6	2860.7
32.5°	3003.2	2981.7	2856.5	2757.4	2736.6
35°	2845.5	2812.8	2681.2	2577.2	2553.4
37.5°	2677.5	2640.6	2511.4	2398.2	2371.4
40°	2565.5	2523.9	2392.1	2278.9	2252.1
42.5°	2453.5	2407.1	2272.8	2159.5	2130.3
45°	2279.5	2231.9	2096.9	1986.6	1956.9
47.5°	2113.9	2053.2	1922.2	1812.5	1782.8
50°	1999.5	1934.0	1807.7	1700.6	1670.8
52.5°	1882.6	1814.8	1693.3	1591.0	1561.2
55°	1704.3	1641.8	1521.7	1426.7	1399.9
57.5°	1527.8	1467.6	1357.9	1267.3	1241.1
60°	1406.0	1355.4	1250.8	1165.1	1141.3
62.5°	1289.2	1243.3	1143.7	1065.2	1041.4
65°	1116.9	1075.2	986.0	915.6	897.8
67.5°	949.5	907.9	835.7	772.5	752.3
70°	840.0	798.3	733.4	675.2	657.4
72.5°	735.3	691.2	638.5	585.2	572.1
75°	578.2	542.5	502.2	462.3	450.4
77.5°	439.5	404.9	375.5	347.5	344.5
80°	346.9	317.2	295.2	276.9	273.9
82.5°	259.3	236.7	222.2	208.8	208.2
85°	133.9	125.0	121.7	106.4	100.4
87.5°	39.0	39.0	34.1	29.2	29.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	20.5	33.9	13.7	13.7	13.7
95°	77.1	194.2	59.9	42.8	42.8
97.5°	161.0	465.7	323.6	87.1	75.3
100°	222.6	674.6	556.5	127.9	102.7
102.5°	284.2	856.8	878.4	202.7	157.5
105°	376.7	1054.8	1523.9	382.4	256.8
107.5°	467.5	1184.0	2335.6	789.1	476.0
110°	522.2	1258.9	2945.1	1230.2	736.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	577.0	1333.8	3280.7	1972.0	1270.5
115°	650.7	1437.6	3475.9	3235.8	2465.7
117.5°	712.3	1532.7	3643.7	4001.6	3775.6
120°	753.4	1607.3	3732.8	4111.2	4186.5
122.5°	794.5	1661.8	3780.7	4153.8	4296.1
125°	847.6	1743.3	3792.7	4315.5	4340.6
127.5°	900.7	1804.7	3849.2	4464.2	4475.9
130°	941.8	1845.8	3904.0	4514.0	4606.0
132.5°	989.7	1880.4	3924.6	4542.4	4681.4
135°	1061.6	1932.2	3801.3	4450.8	4777.3
137.5°	1152.4	1969.4	3683.1	4448.2	4659.1
140°	1207.2	1977.3	3621.5	4546.5	4563.2
142.5°	1268.8	1998.8	3607.8	4535.7	4679.7
145°	1361.3	2031.0	3587.2	4323.7	4708.8
147.5°	1453.7	2051.4	3508.5	4089.7	4426.3
150°	1515.4	2059.5	3433.1	4011.5	4220.8
152.5°	1577.0	2067.6	3337.2	3962.8	4138.6
155°	1652.4	2070.9	3193.4	3848.6	4049.6
157.5°	1731.1	2060.9	3020.5	3640.2	3859.5
160°	1772.2	2048.5	2910.9	3488.9	3681.4
162.5°	1813.3	2042.7	2815.0	3291.0	3517.0
165°	1875.0	2050.7	2577.0	3034.0	3176.3
167.5°	1916.0	2043.3	2354.4	2728.8	2929.7
170°	1943.4	2043.9	2217.4	2495.2	2662.6
172.5°	1964.0	2010.9	2135.2	2281.6	2395.5
175°	1986.2	2011.4	2046.2	2081.4	2123.2
177.5°	1993.1	2006.5	1979.4	1972.9	1986.2
180°	1986.2	1986.2	1986.2	1986.2	1986.2



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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	18.47	19.26	19.50	20.29	21.68	17.38	18.16	18.40	19.19	20.58
	3H	20.11	20.81	21.15	21.86	23.26	18.90	19.60	19.94	20.64	22.05
	4H	20.74	21.40	21.79	22.45	23.86	19.47	20.13	20.52	21.18	22.59
	6H	21.14	21.75	22.20	22.80	24.22	19.83	20.44	20.89	21.49	22.92
	8H	21.28	21.86	22.35	22.93	24.35	19.97	20.55	21.04	21.62	23.04
	12H	21.35	21.91	22.42	22.97	24.41	20.03	20.58	21.10	21.64	23.09
4H	2H	18.87	19.54	19.93	20.58	22.00	18.00	18.66	19.06	19.71	21.12
	3H	20.74	21.29	21.80	22.36	23.79	19.73	20.28	20.79	21.35	22.78
	4H	21.48	21.99	22.55	23.05	24.50	20.40	20.90	21.47	21.97	23.42
	6H	21.99	22.43	23.07	23.52	24.96	20.87	21.30	21.95	22.39	23.84
	8H	22.20	22.60	23.28	23.68	25.14	21.06	21.46	22.14	22.54	24.00
	12H	22.30	22.67	23.40	23.76	25.23	21.14	21.51	22.24	22.60	24.07
8H	4H	21.63	22.03	22.71	23.12	24.57	20.67	21.07	21.75	22.15	23.61
	6H	22.27	22.60	23.37	23.73	25.18	21.27	21.60	22.37	22.72	24.18
	8H	22.56	22.85	23.67	23.96	25.43	21.54	21.83	22.65	22.94	24.42
	12H	22.73	22.99	23.84	24.09	25.60	21.69	21.95	22.80	23.05	24.56
12H	4H	21.61	21.97	22.70	23.07	24.53	20.67	21.03	21.76	22.13	23.59
	6H	22.30	22.59	23.41	23.69	25.17	21.33	21.62	22.44	22.73	24.20
	8H	22.61	22.87	23.72	23.97	25.48	21.63	21.89	22.74	22.99	24.51