

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: P1438974

Luminaire Tested: CB2-B-125U-120D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438974
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-935-1D-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

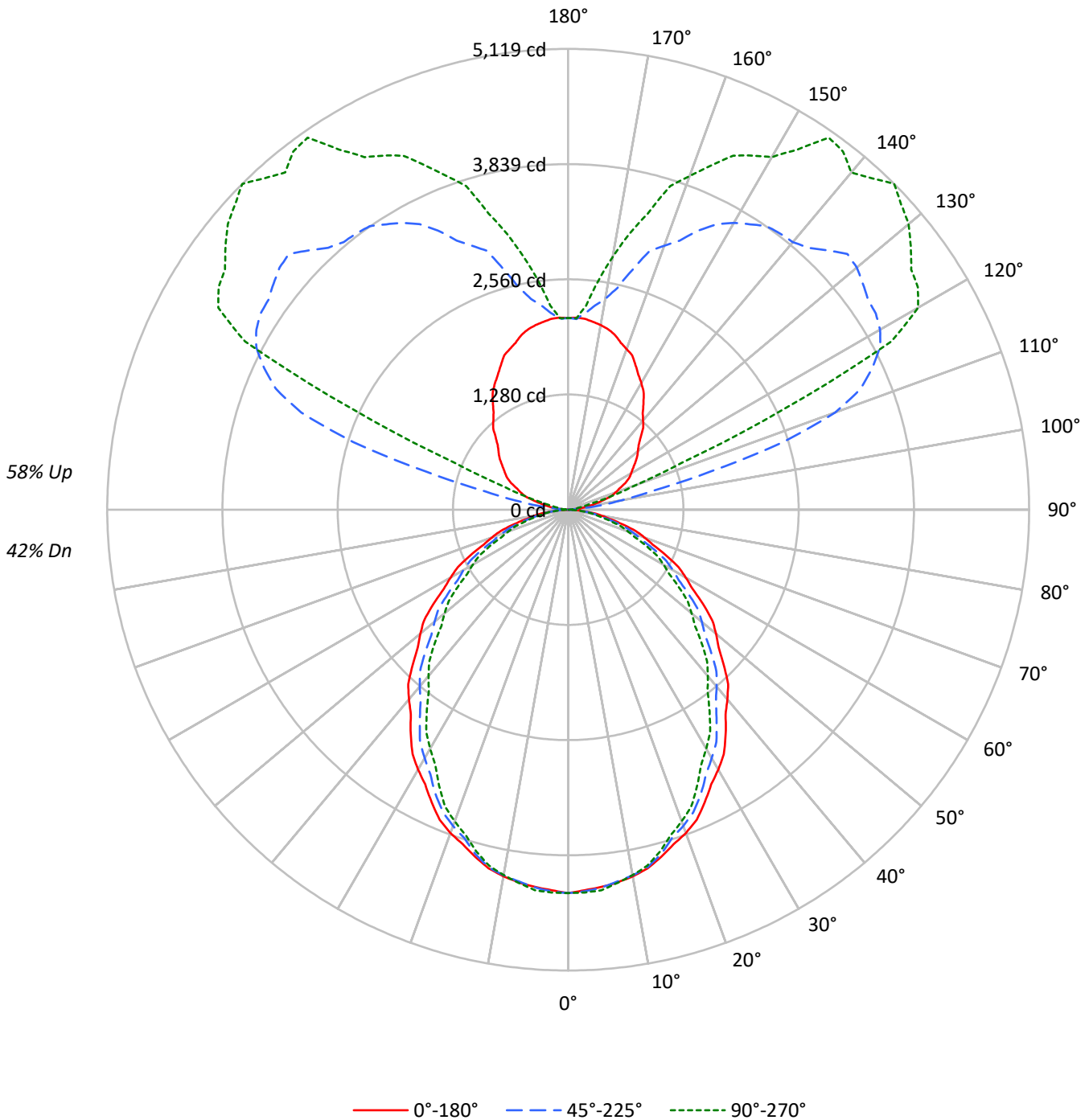
Lumens per Lamp: N/A
Luminaire Lumens: 23915.9 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: General Diffuse

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

TEST NUMBER: P1438974

CATALOG NUMBER: CB2-B-125U-120D-935-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P1438974

CATALOG NUMBER: CB2-B-125U-120D-935-1D-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	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°	37089	37089	37089
5°	36775	36832	37089
10°	36566	36479	36450
15°	35987	35752	35458
20°	35420	34634	34150
25°	34468	33497	32557
30°	33514	32038	30825
35°	32415	30544	29087
40°	31252	29139	27433
45°	30082	27671	25824
50°	29027	26243	24255
55°	27727	24756	22776
60°	26241	23344	21300
65°	24662	21773	19823
70°	22916	20011	17936
75°	20848	18106	16238
80°	18646	15863	14719
85°	14339	13030	10751

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30082 cd/sqm



TEST NUMBER: P1438974

CATALOG NUMBER: CB2-B-125U-120D-935-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.5	1.7
10°-20°	1116.4	4.7
20°-30°	1605.2	6.7
30°-40°	1804.2	7.5
40°-50°	1742.9	7.3
50°-60°	1472.6	6.2
60°-70°	1057.8	4.4
70°-80°	578.1	2.4
80°-90°	153.5	0.6
90°-100°	159.5	0.7
100°-110°	987.5	4.1
110°-120°	2490.4	10.4
120°-130°	2993.8	12.5
130°-140°	2714.3	11.3
140°-150°	2164.5	9.1
150°-160°	1476.4	6.2
160°-170°	780.9	3.3
170°-180°	217.3	0.9
0°-30°	3122.1	13.1
0°-40°	4926.4	20.6
0°-60°	8141.9	34.0
0°-90°	9931.3	41.5
90°-120°	3637.4	15.2
90°-150°	11510.0	48.1
90°-180°	13985.0	58.5
0°-180°	23915.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4259	4259	4259	4259	4259	
5°	4207	4264	4213	4214	4243	399
15°	3992	4027	3965	3926	3933	1125
25°	3587	3590	3486	3407	3388	1651
35°	3049	3014	2873	2762	2736	1905
45°	2442	2392	2247	2129	2097	1887
55°	1826	1759	1630	1529	1500	1633
65°	1197	1152	1057	981	962	1187
75°	620	581	538	495	483	663
85°	144	134	130	114	108	171
90°	0	0	0	0	0	9
95°	83	208	64	46	46	105
105°	404	1130	1633	410	275	424
115°	697	1540	3724	3467	2642	684
125°	908	1868	4064	4624	4651	813
135°	1138	2070	4073	4769	5119	884
145°	1459	2176	3844	4633	5046	912
155°	1770	2219	3422	4124	4339	815
165°	2009	2197	2761	3251	3404	564
175°	2128	2155	2192	2230	2275	201
180°	2128	2128	2128	2128	2128	

TEST NUMBER: P1438974

CATALOG NUMBER: CB2-B-125U-120D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4258.9	4258.9	4258.9	4258.9	4258.9
2.5°	4230.2	4281.2	4243.2	4248.6	4256.3
5°	4206.7	4264.1	4213.2	4213.9	4242.6
7.5°	4176.7	4230.9	4166.9	4155.1	4181.9
10°	4135.0	4189.2	4125.2	4102.8	4121.9
12.5°	4080.2	4131.8	4070.4	4034.9	4051.5
15°	3991.5	4026.6	3965.4	3926.4	3932.8
17.5°	3895.0	3916.6	3828.4	3795.7	3789.3
20°	3821.9	3841.0	3737.1	3691.3	3684.9
22.5°	3728.0	3744.6	3635.4	3579.1	3570.2
25°	3587.1	3590.3	3486.0	3407.3	3388.2
27.5°	3439.7	3429.5	3313.8	3220.7	3195.8
30°	3332.8	3320.0	3186.0	3087.7	3065.4
32.5°	3218.0	3195.0	3060.8	2954.6	2932.3
35°	3049.0	3014.0	2873.0	2761.5	2736.0
37.5°	2869.0	2829.5	2691.0	2569.7	2541.0
40°	2749.0	2704.4	2563.2	2441.8	2413.1
42.5°	2629.0	2579.3	2435.3	2314.0	2282.7
45°	2442.5	2391.5	2246.8	2128.7	2096.8
47.5°	2265.1	2200.1	2059.7	1942.2	1910.3
50°	2142.5	2072.3	1937.0	1822.2	1790.3
52.5°	2017.3	1944.6	1814.4	1704.8	1672.9
55°	1826.2	1759.2	1630.5	1528.8	1500.1
57.5°	1637.0	1572.6	1455.1	1357.9	1329.8
60°	1506.6	1452.4	1340.3	1248.4	1222.9
62.5°	1381.4	1332.3	1225.5	1141.4	1115.9
65°	1196.8	1152.2	1056.6	981.1	962.0
67.5°	1017.4	972.8	895.5	827.8	806.1
70°	900.0	855.4	785.9	723.5	704.4
72.5°	787.9	740.7	684.2	627.1	613.1
75°	619.6	581.3	538.1	495.4	482.6
77.5°	470.9	433.9	402.4	372.3	369.1
80°	371.8	339.9	316.3	296.7	293.5
82.5°	277.8	253.6	238.1	223.7	223.1
85°	143.5	133.9	130.4	114.0	107.6
87.5°	41.7	41.7	36.5	31.3	31.3
90°	0.0	0.0	0.0	0.0	0.0
92.5°	22.0	36.4	14.7	14.7	14.7
95°	82.6	208.1	64.2	45.9	45.9
97.5°	172.5	499.0	346.8	93.3	80.7
100°	238.5	722.9	596.3	137.0	110.1
102.5°	304.6	918.1	941.2	217.2	168.8
105°	403.6	1130.2	1632.9	409.8	275.2
107.5°	500.9	1268.7	2502.6	845.5	510.1
110°	559.6	1348.9	3155.8	1318.2	788.9



TEST NUMBER: P1438974

CATALOG NUMBER: CB2-B-125U-120D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	618.3	1429.2	3515.4	2113.1	1361.4
115°	697.2	1540.4	3724.5	3467.3	2642.0
117.5°	763.3	1642.3	3904.4	4287.8	4045.6
120°	807.3	1722.2	3999.8	4405.2	4486.0
122.5°	851.3	1780.6	4051.1	4450.9	4603.4
125°	908.2	1868.0	4064.0	4624.2	4651.1
127.5°	965.1	1933.8	4124.5	4783.5	4796.0
130°	1009.1	1977.9	4183.2	4836.8	4935.5
132.5°	1060.5	2014.9	4205.2	4867.3	5016.2
135°	1137.5	2070.4	4073.1	4769.1	5119.0
137.5°	1234.8	2110.2	3946.5	4766.3	4992.4
140°	1293.5	2118.7	3880.5	4871.7	4889.6
142.5°	1359.6	2141.7	3865.8	4860.1	5014.4
145°	1458.6	2176.2	3843.8	4633.0	5045.6
147.5°	1557.7	2198.2	3759.4	4382.2	4742.8
150°	1623.8	2206.8	3678.7	4298.4	4522.7
152.5°	1689.8	2215.4	3575.9	4246.2	4434.6
155°	1770.5	2219.0	3421.8	4123.9	4339.2
157.5°	1854.9	2208.3	3236.5	3900.5	4135.5
160°	1899.0	2195.0	3119.1	3738.4	3944.7
162.5°	1943.0	2188.8	3016.3	3526.4	3768.6
165°	2009.1	2197.4	2761.3	3251.0	3403.5
167.5°	2053.1	2189.4	2522.8	2924.0	3139.3
170°	2082.4	2190.1	2376.0	2673.6	2853.0
172.5°	2104.5	2154.7	2287.9	2444.8	2566.8
175°	2128.3	2155.2	2192.5	2230.2	2275.1
177.5°	2135.7	2150.0	2121.0	2114.0	2128.3
180°	2128.3	2128.3	2128.3	2128.3	2128.3



TEST NUMBER: P1438974
 CATALOG NUMBER: CB2-B-125U-120D-935-1D-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	18.71	19.50	19.74	20.53	21.92	17.62	18.40	18.64	19.43	20.82
	3H	20.35	21.05	21.39	22.10	23.50	19.14	19.84	20.18	20.88	22.29
	4H	20.98	21.64	22.03	22.69	24.10	19.71	20.37	20.76	21.42	22.83
	6H	21.38	21.99	22.44	23.04	24.46	20.07	20.68	21.13	21.73	23.16
	8H	21.52	22.10	22.59	23.17	24.59	20.21	20.79	21.28	21.86	23.28
	12H	21.59	22.15	22.66	23.21	24.65	20.27	20.82	21.34	21.88	23.33
4H	2H	19.11	19.78	20.17	20.82	22.24	18.24	18.90	19.30	19.95	21.36
	3H	20.98	21.53	22.04	22.60	24.03	19.97	20.52	21.03	21.59	23.02
	4H	21.72	22.23	22.79	23.29	24.74	20.64	21.14	21.71	22.21	23.66
	6H	22.23	22.67	23.31	23.76	25.20	21.11	21.54	22.19	22.63	24.08
	8H	22.44	22.84	23.52	23.92	25.38	21.30	21.70	22.38	22.78	24.24
	12H	22.54	22.91	23.64	24.00	25.47	21.38	21.75	22.48	22.84	24.31
8H	4H	21.87	22.27	22.95	23.36	24.81	20.91	21.31	21.99	22.39	23.85
	6H	22.51	22.84	23.61	23.97	25.42	21.51	21.84	22.61	22.96	24.42
	8H	22.80	23.09	23.91	24.20	25.67	21.78	22.07	22.89	23.18	24.66
	12H	22.97	23.23	24.08	24.33	25.84	21.93	22.19	23.04	23.29	24.80
12H	4H	21.85	22.21	22.94	23.31	24.77	20.91	21.27	22.00	22.37	23.83
	6H	22.54	22.83	23.65	23.93	25.41	21.57	21.86	22.68	22.97	24.44
	8H	22.85	23.11	23.96	24.21	25.72	21.87	22.13	22.98	23.23	24.74