

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: P1438976

Luminaire Tested: CB2-B-125U-120D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438976  
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-940-1D-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: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

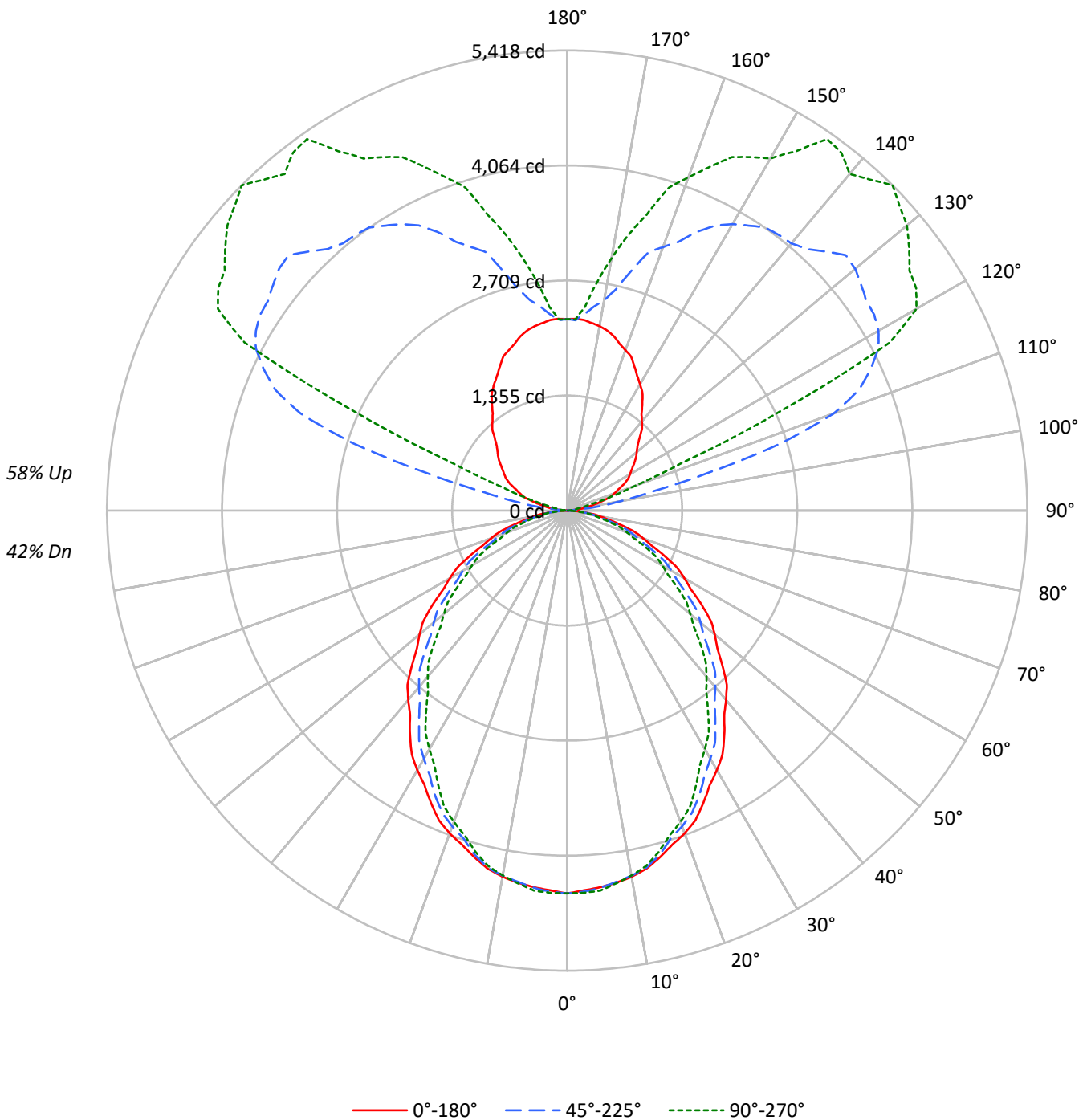
Lumens per Lamp: N/A  
Luminaire Lumens: 25310.9 lumens  
Efficiency: N/A  
Efficacy: 137.3 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 184.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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°	39253	39253	39253
5°	38920	38980	39251
10°	38699	38607	38577
15°	38086	37837	37526
20°	37485	36654	36143
25°	36479	35451	34456
30°	35469	33907	32623
35°	34306	32325	30784
40°	33075	30839	29034
45°	31837	29286	27330
50°	30721	27774	25670
55°	29344	26200	24105
60°	27772	24706	22542
65°	26100	23042	20979
70°	24253	21177	18982
75°	22063	19162	17187
80°	19729	16791	15577
85°	15178	13789	11381

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 31837 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	423.9	1.7
10°-20°	1181.5	4.7
20°-30°	1698.9	6.7
30°-40°	1909.5	7.5
40°-50°	1844.6	7.3
50°-60°	1558.5	6.2
60°-70°	1119.4	4.4
70°-80°	611.8	2.4
80°-90°	162.5	0.6
90°-100°	168.8	0.7
100°-110°	1045.1	4.1
110°-120°	2635.7	10.4
120°-130°	3168.4	12.5
130°-140°	2872.7	11.3
140°-150°	2290.7	9.1
150°-160°	1562.6	6.2
160°-170°	826.4	3.3
170°-180°	230.0	0.9
0°-30°	3304.2	13.1
0°-40°	5213.7	20.6
0°-60°	8616.8	34.0
0°-90°	10510.6	41.5
90°-120°	3849.6	15.2
90°-150°	12181.4	48.1
90°-180°	14800.0	58.5
0°-180°	25310.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4507	4507	4507	4507	4507	
5°	4452	4513	4459	4460	4490	423
15°	4224	4261	4197	4155	4162	1191
25°	3796	3800	3689	3606	3586	1748
35°	3227	3190	3040	2923	2896	2016
45°	2585	2531	2378	2253	2219	1997
55°	1933	1862	1726	1618	1588	1728
65°	1267	1219	1118	1038	1018	1256
75°	656	615	570	524	511	701
85°	152	142	138	121	114	181
90°	0	0	0	0	0	9
95°	87	220	68	48	48	111
105°	427	1196	1728	434	291	449
115°	738	1630	3942	3670	2796	724
125°	961	1977	4301	4894	4922	860
135°	1204	2191	4311	5047	5418	936
145°	1544	2303	4068	4903	5340	965
155°	1874	2348	3621	4364	4592	862
165°	2126	2326	2922	3441	3602	597
175°	2252	2281	2320	2360	2408	213
180°	2252	2252	2252	2252	2252	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4507.3	4507.3	4507.3	4507.3	4507.3
2.5°	4476.9	4530.9	4490.7	4496.4	4504.5
5°	4452.1	4512.8	4459.0	4459.7	4490.0
7.5°	4420.3	4477.7	4410.0	4397.5	4425.9
10°	4376.2	4433.5	4365.8	4342.1	4362.4
12.5°	4318.2	4372.8	4307.8	4270.3	4287.8
15°	4224.3	4261.4	4196.7	4155.4	4162.2
17.5°	4122.1	4145.1	4051.7	4017.1	4010.3
20°	4044.8	4065.1	3955.1	3906.6	3899.9
22.5°	3945.4	3963.0	3847.4	3787.9	3778.4
25°	3796.4	3799.7	3689.4	3606.1	3585.8
27.5°	3640.4	3629.6	3507.1	3408.5	3382.2
30°	3527.2	3513.7	3371.8	3267.8	3244.2
32.5°	3405.7	3381.4	3239.3	3127.0	3103.3
35°	3226.9	3189.8	3040.5	2922.6	2895.6
37.5°	3036.4	2994.5	2848.0	2719.6	2689.2
40°	2909.4	2862.1	2712.7	2584.3	2553.9
42.5°	2782.4	2729.7	2577.4	2448.9	2415.9
45°	2585.0	2531.0	2377.9	2252.9	2219.1
47.5°	2397.2	2328.4	2179.8	2055.5	2021.7
50°	2267.5	2193.2	2050.0	1928.5	1894.7
52.5°	2134.9	2058.0	1920.3	1804.2	1770.5
55°	1932.7	1861.8	1725.6	1617.9	1587.6
57.5°	1732.5	1664.4	1539.9	1437.1	1407.4
60°	1594.5	1537.1	1418.5	1321.2	1294.2
62.5°	1461.9	1410.0	1297.0	1208.0	1181.0
65°	1266.6	1219.4	1118.2	1038.4	1018.1
67.5°	1076.8	1029.5	947.7	876.1	853.1
70°	952.5	905.3	831.7	765.7	745.5
72.5°	833.8	783.9	724.1	663.7	648.8
75°	655.7	615.2	569.5	524.3	510.8
77.5°	498.4	459.2	425.9	394.1	390.7
80°	393.4	359.7	334.8	314.0	310.6
82.5°	294.0	268.4	251.9	236.7	236.1
85°	151.9	141.7	138.0	120.6	113.9
87.5°	44.2	44.2	38.7	33.1	33.1
90°	0.0	0.0	0.0	0.0	0.0
92.5°	23.3	38.5	15.5	15.5	15.5
95°	87.4	220.3	68.0	48.5	48.5
97.5°	182.5	528.1	367.0	98.7	85.4
100°	252.4	765.1	631.1	145.0	116.5
102.5°	322.3	971.7	996.1	229.9	178.6
105°	427.2	1196.1	1728.2	433.7	291.3
107.5°	530.1	1342.7	2648.6	894.9	539.8
110°	592.2	1427.6	3339.8	1395.1	835.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	654.4	1512.6	3720.4	2236.3	1440.8
115°	737.9	1630.2	3941.8	3669.5	2796.2
117.5°	807.8	1738.1	4132.1	4537.9	4281.6
120°	854.4	1822.7	4233.1	4662.2	4747.6
122.5°	901.0	1884.5	4287.4	4710.5	4871.9
125°	961.2	1976.9	4301.0	4893.9	4922.4
127.5°	1021.4	2046.6	4365.1	5062.5	5075.8
130°	1068.0	2093.2	4427.2	5118.9	5223.4
132.5°	1122.3	2132.4	4450.5	5151.2	5308.8
135°	1203.9	2191.2	4310.7	5047.3	5417.5
137.5°	1306.8	2233.3	4176.8	5044.3	5283.6
140°	1368.9	2242.3	4106.8	5155.8	5174.8
142.5°	1438.9	2266.7	4091.3	5143.6	5306.9
145°	1543.7	2303.2	4068.0	4903.2	5339.9
147.5°	1648.6	2326.4	3978.7	4637.9	5019.5
150°	1718.5	2335.5	3893.3	4549.1	4786.5
152.5°	1788.4	2344.7	3784.5	4493.9	4693.3
155°	1873.8	2348.5	3621.4	4364.5	4592.3
157.5°	1963.1	2337.2	3425.3	4128.0	4376.8
160°	2009.7	2323.0	3301.0	3956.5	4174.8
162.5°	2056.3	2316.4	3192.3	3732.1	3988.4
165°	2126.2	2325.6	2922.4	3440.6	3602.0
167.5°	2172.8	2317.1	2669.9	3094.5	3322.4
170°	2203.9	2317.8	2514.6	2829.6	3019.5
172.5°	2227.2	2280.4	2421.4	2587.4	2716.5
175°	2252.5	2280.9	2320.4	2360.3	2407.8
177.5°	2260.2	2275.4	2244.7	2237.3	2252.5
180°	2252.5	2252.5	2252.5	2252.5	2252.5



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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	18.91	19.69	19.94	20.73	22.12	17.81	18.59	18.84	19.63	21.02
	3H	20.55	21.25	21.59	22.29	23.70	19.33	20.03	20.37	21.08	22.48
	4H	21.18	21.84	22.23	22.88	24.30	19.90	20.57	20.95	21.61	23.03
	6H	21.57	22.18	22.64	23.23	24.66	20.27	20.88	21.33	21.93	23.36
	8H	21.72	22.30	22.79	23.37	24.79	20.41	20.99	21.47	22.06	23.48
	12H	21.79	22.34	22.86	23.40	24.85	20.47	21.02	21.54	22.08	23.53
4H	2H	19.31	19.97	20.37	21.02	22.44	18.44	19.10	19.49	20.15	21.56
	3H	21.17	21.73	22.24	22.80	24.23	20.16	20.72	21.23	21.79	23.22
	4H	21.92	22.42	22.99	23.49	24.94	20.84	21.34	21.91	22.41	23.86
	6H	22.43	22.87	23.51	23.95	25.40	21.31	21.74	22.39	22.83	24.27
	8H	22.63	23.04	23.71	24.12	25.58	21.49	21.90	22.57	22.98	24.44
	12H	22.74	23.10	23.83	24.20	25.66	21.58	21.95	22.68	23.04	24.50
8H	4H	22.07	22.47	23.15	23.55	25.01	21.10	21.51	22.18	22.59	24.05
	6H	22.70	23.04	23.81	24.16	25.62	21.70	22.04	22.81	23.16	24.62
	8H	22.99	23.29	24.10	24.39	25.87	21.98	22.27	23.09	23.38	24.85
	12H	23.17	23.42	24.28	24.52	26.04	22.12	22.38	23.24	23.48	25.00
12H	4H	22.04	22.41	23.14	23.50	24.97	21.10	21.47	22.20	22.56	24.03
	6H	22.73	23.03	23.84	24.13	25.61	21.77	22.06	22.88	23.16	24.64
	8H	23.05	23.30	24.16	24.40	25.92	22.07	22.33	23.18	23.43	24.94