

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: P1438946

Luminaire Tested: CB2-B-125U-030D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438946
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-030D-927-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

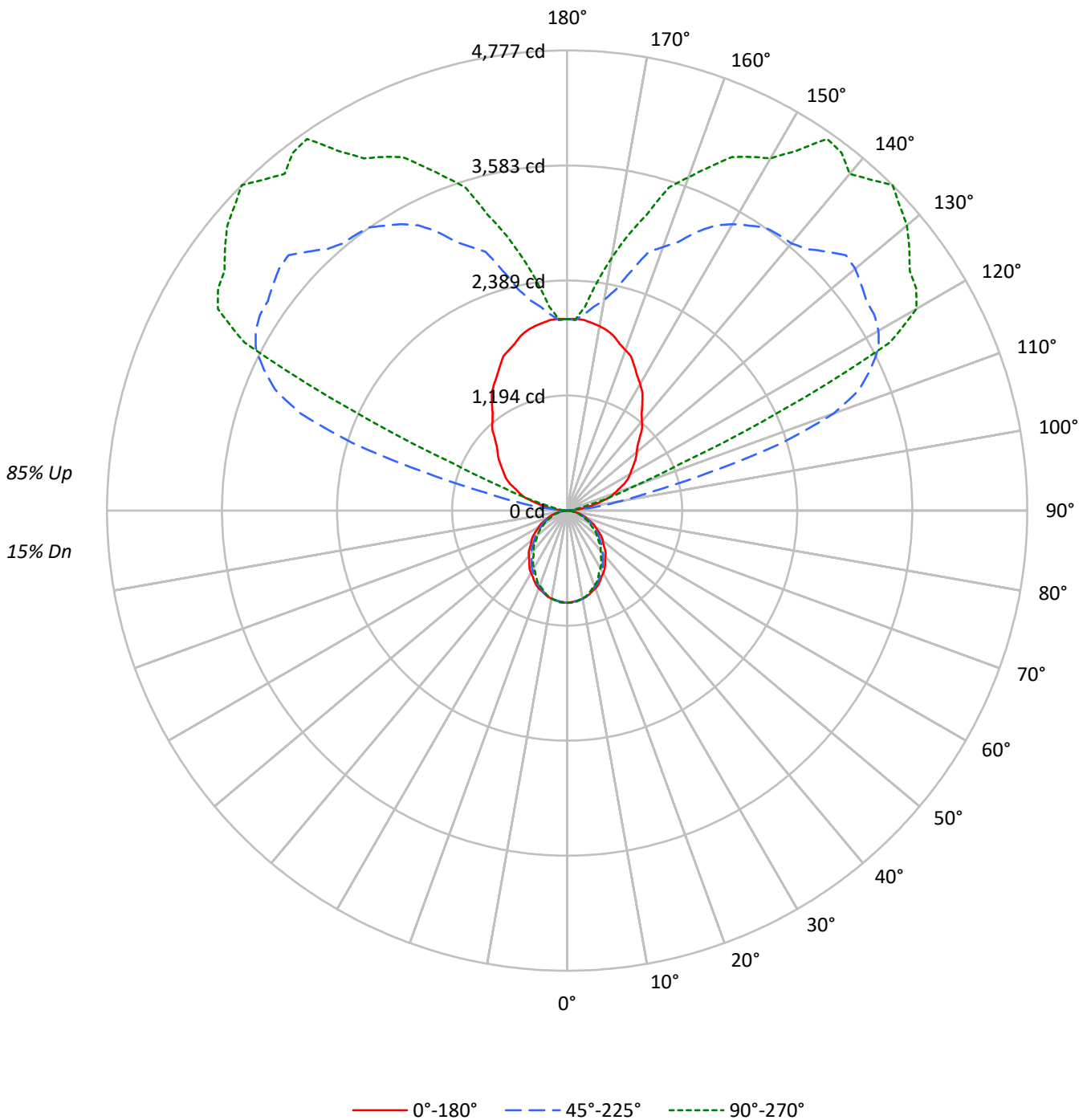
Lumens per Lamp: N/A
Luminaire Lumens: 15284.0 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 114.3
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										
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	50	30	10	0														
RCR																																						
0	99	99	99	99	86	86	86	86	64	64	64	43	43	43	24	24	24	15																				
1	90	86	82	79	79	75	72	70	56	54	52	38	36	35	21	20	20	12																				
2	82	75	69	64	71	66	61	57	49	46	43	33	31	30	18	18	17	10																				
3	75	66	59	54	65	58	52	48	43	39	36	29	27	25	16	15	14	9																				
4	68	58	51	45	59	51	45	40	38	34	31	26	23	21	15	13	12	8																				
5	62	52	44	38	54	45	39	34	34	30	26	23	21	18	13	12	11	7																				
6	57	46	38	33	50	41	34	30	30	26	23	21	18	16	12	11	9	6																				
7	53	41	34	29	46	37	30	26	27	23	20	19	16	14	11	9	8	5																				
8	49	37	30	25	43	33	27	23	25	21	17	17	14	12	10	9	7	5																				
9	45	34	27	22	40	30	24	20	23	18	15	16	13	11	9	8	7	4																				
10	42	31	24	20	37	27	22	18	21	17	14	14	12	10	8	7	6	4																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8339	8339	8339
5°	8268	8280	8338
10°	8220	8202	8195
15°	8091	8038	7972
20°	7964	7787	7678
25°	7750	7531	7320
30°	7535	7203	6931
35°	7288	6867	6539
40°	7027	6552	6167
45°	6763	6221	5806
50°	6526	5900	5453
55°	6234	5566	5121
60°	5899	5248	4788
65°	5545	4894	4457
70°	5154	4499	4033
75°	4687	4071	3651
80°	4193	3566	3310
85°	3227	2928	2418

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6763 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	0.6
10°-20°	251.0	1.6
20°-30°	360.9	2.4
30°-40°	405.6	2.7
40°-50°	391.8	2.6
50°-60°	331.1	2.2
60°-70°	237.8	1.6
70°-80°	130.0	0.9
80°-90°	34.5	0.2
90°-100°	148.8	1.0
100°-110°	921.6	6.0
110°-120°	2324.2	15.2
120°-130°	2793.9	18.3
130°-140°	2533.2	16.6
140°-150°	2020.0	13.2
150°-160°	1377.9	9.0
160°-170°	728.7	4.8
170°-180°	202.8	1.3
0°-30°	701.9	4.6
0°-40°	1107.6	7.2
0°-60°	1830.5	12.0
0°-90°	2232.8	14.6
90°-120°	3394.6	22.2
90°-150°	10741.7	70.3
90°-180°	13051.0	85.4
0°-180°	15284.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	958	958	958	958	958	
5°	946	959	947	947	954	90
15°	897	905	892	883	884	253
25°	806	807	784	766	762	371
35°	686	678	646	621	615	428
45°	549	538	505	479	471	424
55°	411	396	367	344	337	367
65°	269	259	238	221	216	267
75°	139	131	121	111	108	149
85°	32	30	29	26	24	38
90°	0	0	0	0	0	4
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°	957.5	957.5	957.5	957.5	957.5
2.5°	951.1	962.5	954.0	955.2	956.9
5°	945.8	958.7	947.2	947.4	953.8
7.5°	939.0	951.2	936.8	934.2	940.2
10°	929.6	941.8	927.5	922.4	926.7
12.5°	917.3	928.9	915.1	907.2	910.9
15°	897.4	905.3	891.5	882.8	884.2
17.5°	875.7	880.6	860.7	853.4	851.9
20°	859.3	863.6	840.2	829.9	828.5
22.5°	838.2	841.9	817.3	804.7	802.7
25°	806.5	807.2	783.8	766.1	761.8
27.5°	773.3	771.0	745.0	724.1	718.5
30°	749.3	746.4	716.3	694.2	689.2
32.5°	723.5	718.3	688.1	664.3	659.3
35°	685.5	677.6	645.9	620.9	615.1
37.5°	645.0	636.1	605.0	577.7	571.3
40°	618.1	608.0	576.3	549.0	542.5
42.5°	591.1	579.9	547.5	520.2	513.2
45°	549.1	537.7	505.1	478.6	471.4
47.5°	509.3	494.6	463.1	436.7	429.5
50°	481.7	465.9	435.5	409.7	402.5
52.5°	453.5	437.2	407.9	383.3	376.1
55°	410.6	395.5	366.6	343.7	337.3
57.5°	368.0	353.6	327.1	305.3	299.0
60°	338.7	326.5	301.3	280.7	274.9
62.5°	310.6	299.5	275.5	256.6	250.9
65°	269.1	259.0	237.5	220.6	216.3
67.5°	228.7	218.7	201.3	186.1	181.2
70°	202.4	192.3	176.7	162.7	158.4
72.5°	177.1	166.5	153.8	141.0	137.8
75°	139.3	130.7	121.0	111.4	108.5
77.5°	105.9	97.6	90.5	83.7	83.0
80°	83.6	76.4	71.1	66.7	66.0
82.5°	62.5	57.0	53.5	50.3	50.1
85°	32.3	30.1	29.3	25.6	24.2
87.5°	9.4	9.4	8.2	7.0	7.0
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	9.35	9.96	10.56	11.14	12.85	8.25	8.86	9.46	10.04	11.75
	3H	10.97	11.52	12.19	12.71	14.43	9.76	10.30	10.97	11.50	13.21
	4H	11.59	12.11	12.81	13.30	15.02	10.32	10.84	11.54	12.03	13.75
	6H	11.98	12.46	13.21	13.65	15.38	10.67	11.15	11.91	12.35	14.08
	8H	12.12	12.57	13.35	13.78	15.50	10.81	11.26	12.04	12.47	14.19
	12H	12.18	12.62	13.42	13.82	15.56	10.86	11.29	12.10	12.50	14.24
4H	2H	9.72	10.24	10.96	11.44	13.16	8.85	9.37	10.08	10.56	12.28
	3H	11.57	12.00	12.81	13.22	14.95	10.56	11.00	11.80	12.21	13.94
	4H	12.31	12.71	13.54	13.91	15.66	11.22	11.63	12.46	12.83	14.58
	6H	12.81	13.15	14.05	14.38	16.11	11.69	12.03	12.92	13.26	14.99
	8H	13.01	13.33	14.25	14.55	16.30	11.87	12.19	13.11	13.41	15.16
	12H	13.10	13.39	14.36	14.62	16.38	11.95	12.24	13.20	13.46	15.22
8H	4H	12.44	12.76	13.68	13.98	15.73	11.48	11.80	12.71	13.02	14.77
	6H	13.07	13.34	14.33	14.60	16.34	12.07	12.34	13.33	13.60	15.34
	8H	13.36	13.59	14.62	14.83	16.59	12.35	12.57	13.60	13.81	15.58
	12H	13.53	13.72	14.79	14.96	16.76	12.48	12.68	13.74	13.92	15.71
12H	4H	12.41	12.70	13.66	13.93	15.68	11.47	11.76	12.72	12.99	14.74
	6H	13.10	13.33	14.36	14.56	16.33	12.13	12.36	13.39	13.60	15.37
	8H	13.41	13.61	14.67	14.84	16.64	12.43	12.63	13.69	13.86	15.66