

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: P1439413

Luminaire Tested: CB3-B-055U-055D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439413
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-055U-055D-935-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

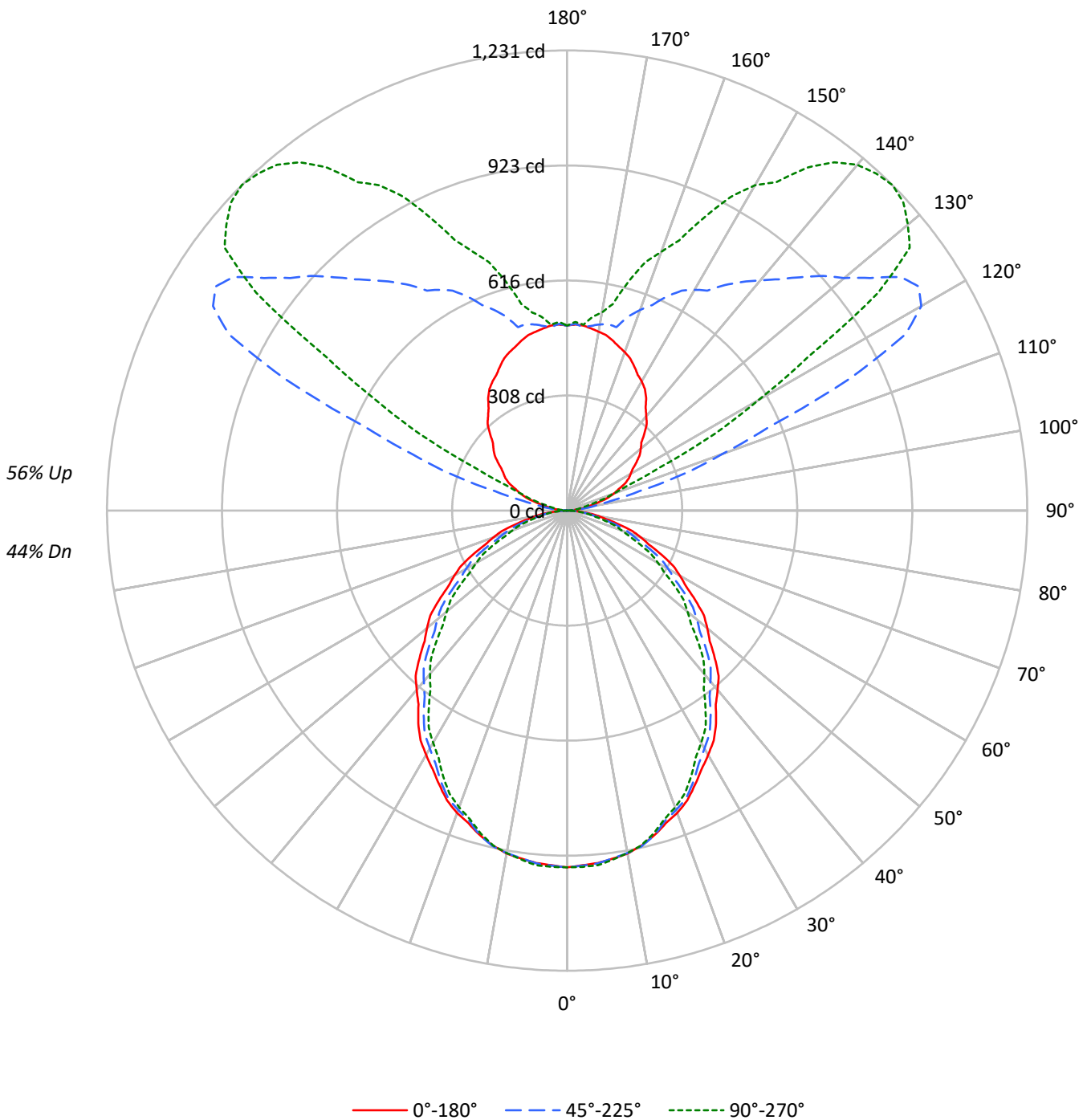
Lumens per Lamp: N/A
Luminaire Lumens: 5194.9 lumens
Efficiency: N/A
Efficacy: 159.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 32.5
Input Voltage (V): 120
Input Current (Ain): 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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44
1	97	92	89	85	88	85	81	79	70	68	66	57	56	54	45	44	43	37
2	88	81	75	70	80	74	69	65	62	58	55	50	48	45	40	38	36	32
3	80	71	64	58	73	65	59	54	55	50	46	45	41	39	35	33	31	27
4	74	63	55	49	67	58	51	46	49	44	40	40	36	33	32	29	27	23
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24	20
6	62	50	42	37	57	47	40	34	39	34	30	32	28	25	26	23	21	18
7	58	46	38	32	53	42	35	30	36	30	26	29	25	22	24	21	19	16
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	22	19	17	14
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	20	17	15	13
10	46	35	27	23	43	32	26	21	27	22	19	23	19	16	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10800	10800	10800
5°	10748	10756	10817
10°	10701	10686	10686
15°	10538	10538	10473
20°	10366	10260	10170
25°	10105	9977	9800
30°	9857	9600	9370
35°	9597	9242	8913
40°	9252	8810	8431
45°	8938	8428	7908
50°	8615	7970	7398
55°	8263	7528	6914
60°	7884	7072	6366
65°	7440	6551	5788
70°	6931	5941	5157
75°	6282	5215	4595
80°	5480	4372	4066
85°	4219	3700	3700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8938 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	1.7
10°-20°	253.0	4.9
20°-30°	367.6	7.1
30°-40°	417.9	8.0
40°-50°	405.7	7.8
50°-60°	342.5	6.6
60°-70°	243.7	4.7
70°-80°	130.2	2.5
80°-90°	34.4	0.7
90°-100°	33.5	0.6
100°-110°	175.3	3.4
110°-120°	441.3	8.5
120°-130°	680.8	13.1
130°-140°	623.2	12.0
140°-150°	460.0	8.9
150°-160°	293.2	5.6
160°-170°	154.4	3.0
170°-180°	48.1	0.9
0°-30°	710.6	13.7
0°-40°	1128.6	21.7
0°-60°	1876.8	36.1
0°-90°	2285.1	44.0
90°-120°	650.1	12.5
90°-150°	2414.1	46.5
90°-180°	2910.0	56.0
0°-180°	5194.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	954	954	954	954	954	
5°	946	958	947	946	952	90
15°	900	908	900	894	894	253
25°	809	812	799	788	785	373
35°	695	688	669	649	645	433
45°	559	550	527	502	494	431
55°	419	408	382	357	350	375
65°	278	268	245	223	216	275
75°	144	136	119	107	105	153
85°	32	30	28	28	28	39
90°	0	0	0	0	0	2
95°	17	49	20	11	11	22
105°	89	277	200	82	68	95
115°	170	347	832	362	275	166
125°	227	350	1090	1099	1016	203
135°	292	390	883	1204	1231	226
145°	368	426	737	1024	1120	229
155°	425	457	632	782	863	196
165°	471	484	508	594	634	133
175°	497	508	492	495	499	47
180°	495	495	495	495	495	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	954.5	954.5	954.5	954.5	954.5
2.5°	949.6	959.1	950.7	951.8	953.9
5°	946.3	958.3	947.0	945.8	952.4
7.5°	939.0	949.9	938.2	935.5	941.4
10°	931.4	943.3	930.1	926.7	930.1
12.5°	917.9	930.3	919.8	914.3	917.0
15°	899.6	907.5	899.6	894.1	894.1
17.5°	877.2	885.5	870.5	866.7	865.3
20°	860.9	868.2	852.1	846.6	844.6
22.5°	839.2	846.0	832.6	823.3	820.8
25°	809.4	812.0	799.2	788.3	785.0
27.5°	779.4	780.1	762.5	749.2	744.9
30°	754.5	755.1	734.8	720.5	717.2
32.5°	729.5	727.5	708.3	691.3	689.0
35°	694.8	688.2	669.1	649.3	645.3
37.5°	652.9	649.0	626.4	606.6	600.6
40°	626.4	619.7	596.5	576.7	570.8
42.5°	599.8	592.1	568.3	546.4	539.9
45°	558.6	550.0	526.7	501.5	494.2
47.5°	517.1	507.7	482.1	457.7	449.6
50°	489.4	479.5	452.8	428.9	420.3
52.5°	461.2	450.8	424.1	399.7	392.6
55°	418.9	407.7	381.6	357.1	350.5
57.5°	376.6	365.5	339.6	316.4	308.4
60°	348.4	337.8	312.5	289.3	281.3
62.5°	319.7	309.6	284.8	262.2	254.7
65°	277.9	268.0	244.7	222.9	216.2
67.5°	236.6	228.1	205.1	185.1	179.8
70°	209.5	201.5	179.6	161.2	155.9
72.5°	183.4	175.0	154.2	138.5	134.8
75°	143.7	135.8	119.3	107.1	105.1
77.5°	107.4	100.9	86.6	79.7	78.6
80°	84.1	78.1	67.1	62.4	62.4
82.5°	62.4	57.5	50.3	48.3	48.3
85°	32.5	29.9	28.5	28.5	28.5
87.5°	9.8	9.8	9.2	8.7	8.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.2	12.0	3.5	1.8	3.5
95°	17.4	49.4	19.6	10.9	10.9
97.5°	36.2	110.3	50.6	27.0	24.4
100°	50.1	156.7	78.5	39.1	34.9
102.5°	65.8	203.0	118.6	53.0	45.3
105°	89.4	276.9	200.5	82.5	67.6
107.5°	115.5	327.3	330.4	127.1	102.4
110°	132.9	348.2	440.2	166.9	128.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	148.6	353.6	586.7	227.6	175.7
115°	170.0	346.9	832.5	362.0	274.6
117.5°	185.7	330.2	1019.1	575.8	444.1
120°	196.1	330.4	1094.0	737.6	590.6
122.5°	208.3	332.4	1114.9	898.3	763.2
125°	226.7	350.2	1089.7	1098.7	1015.6
127.5°	245.0	363.4	1021.7	1181.0	1155.0
130°	257.2	372.2	967.6	1209.1	1189.9
132.5°	269.4	381.0	929.3	1209.7	1219.6
135°	292.0	390.1	882.6	1203.6	1231.3
137.5°	315.1	401.2	839.0	1165.5	1223.0
140°	329.1	410.1	804.2	1124.2	1207.3
142.5°	344.8	417.2	771.0	1086.0	1174.2
145°	368.3	425.8	736.6	1024.3	1120.2
147.5°	386.6	430.5	697.8	962.0	1041.3
150°	398.8	430.8	682.1	906.6	1004.7
152.5°	409.3	439.5	663.0	855.9	945.4
155°	425.0	456.9	632.0	782.0	863.0
157.5°	440.7	471.3	595.4	727.0	781.9
160°	451.1	476.7	571.0	700.4	736.6
162.5°	459.8	482.0	544.8	655.2	696.5
165°	470.7	483.5	507.8	593.7	634.2
167.5°	480.8	487.2	510.8	533.4	566.2
170°	486.0	492.4	505.6	527.6	538.3
172.5°	491.2	501.0	498.6	513.7	522.6
175°	496.9	507.5	492.5	494.8	499.1
177.5°	498.2	503.3	499.9	500.1	505.2
180°	494.7	494.7	494.7	494.7	494.7



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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	14.83	15.63	15.84	16.65	18.01	13.75	14.55	14.76	15.57	16.93
	3H	16.49	17.21	17.51	18.24	19.61	15.16	15.88	16.18	16.91	18.28
	4H	17.12	17.80	18.15	18.83	20.21	15.68	16.36	16.71	17.39	18.77
	6H	17.50	18.13	18.55	19.16	20.56	15.99	16.62	17.03	17.65	19.05
	8H	17.64	18.23	18.69	19.28	20.68	16.11	16.71	17.16	17.76	19.15
	12H	17.70	18.27	18.76	19.31	20.73	16.19	16.75	17.24	17.80	19.21
4H	2H	15.23	15.91	16.27	16.94	18.32	14.37	15.05	15.41	16.08	17.47
	3H	17.12	17.68	18.16	18.74	20.14	15.99	16.55	17.03	17.61	19.01
	4H	17.86	18.38	18.92	19.43	20.85	16.59	17.11	17.65	18.16	19.58
	6H	18.36	18.81	19.43	19.88	21.29	17.00	17.45	18.06	18.52	19.93
	8H	18.55	18.97	19.62	20.03	21.46	17.17	17.59	18.23	18.65	20.08
	12H	18.65	19.02	19.73	20.10	21.54	17.27	17.65	18.35	18.73	20.16
8H	4H	17.99	18.40	19.05	19.47	20.90	16.85	17.26	17.91	18.33	19.76
	6H	18.60	18.95	19.69	20.05	21.48	17.38	17.72	18.46	18.82	20.25
	8H	18.88	19.18	19.97	20.27	21.72	17.63	17.93	18.72	19.02	20.46
	12H	19.04	19.31	20.14	20.39	21.88	17.80	18.07	18.90	19.15	20.64
12H	4H	17.96	18.33	19.04	19.41	20.85	16.85	17.22	17.93	18.30	19.74
	6H	18.62	18.92	19.71	20.01	21.46	17.43	17.73	18.53	18.82	20.27
	8H	18.92	19.18	20.02	20.27	21.75	17.71	17.98	18.81	19.06	20.55