

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: P1439177

Luminaire Tested: CB3-055U-055D-835-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439177
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-055U-055D-835-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

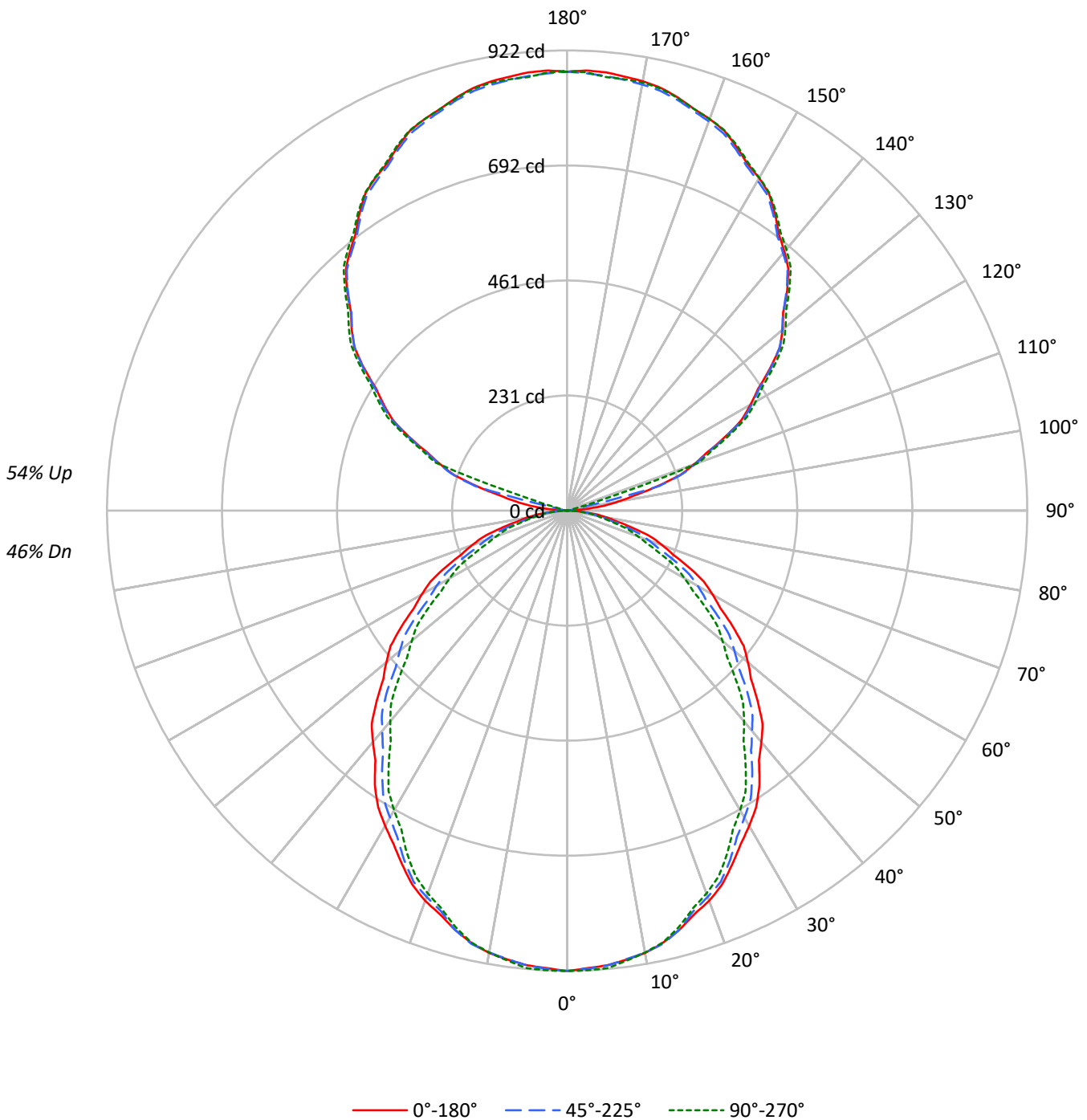
Lumens per Lamp: N/A
Luminaire Lumens: 4803.8 lumens
Efficiency: N/A
Efficacy: 147.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 32.5
Input Voltage (V): 120
Input Current (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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46				
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	47	46	45	39				
2	88	81	75	70	81	75	70	65	63	59	56	52	49	47	41	39	38	33				
3	81	72	64	59	74	66	60	55	55	51	47	46	42	40	37	34	32	28				
4	74	63	56	50	68	59	52	46	49	44	40	41	37	34	33	30	28	24				
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	24	21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19				
7	58	46	38	32	53	42	35	31	36	31	27	30	26	23	25	22	19	17				
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	21	18	16	13				
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	19	16	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10437	10437	10437
5°	10388	10395	10455
10°	10343	10328	10328
15°	10184	10184	10122
20°	10018	9916	9829
25°	9765	9643	9472
30°	9527	9279	9055
35°	9275	8931	8615
40°	8942	8515	8147
45°	8637	8145	7642
50°	8326	7703	7150
55°	7987	7275	6681
60°	7619	6834	6153
65°	7191	6332	5595
70°	6696	5743	4985
75°	6072	5040	4437
80°	5291	4229	3929
85°	4076	3570	3570

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8637 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.0	1.8
10°-20°	244.5	5.1
20°-30°	355.3	7.4
30°-40°	403.9	8.4
40°-50°	392.1	8.2
50°-60°	331.0	6.9
60°-70°	235.5	4.9
70°-80°	125.8	2.6
80°-90°	33.3	0.7
90°-100°	20.3	0.4
100°-110°	147.1	3.1
110°-120°	349.7	7.3
120°-130°	446.7	9.3
130°-140°	481.9	10.0
140°-150°	454.3	9.5
150°-160°	370.6	7.7
160°-170°	241.4	5.0
170°-180°	83.5	1.7
0°-30°	686.8	14.3
0°-40°	1090.7	22.7
0°-60°	1813.8	37.8
0°-90°	2208.4	46.0
90°-120°	517.0	10.8
90°-150°	1899.9	39.5
90°-180°	2595.0	54.0
0°-180°	4803.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	922	922	922	922	922	
5°	915	926	915	914	920	87
15°	869	877	869	864	864	245
25°	782	785	772	762	759	360
35°	672	665	647	628	624	418
45°	540	532	509	485	478	416
55°	405	394	369	345	339	362
65°	269	259	236	215	209	266
75°	139	131	115	104	102	148
85°	31	29	28	28	28	37
90°	0	0	0	1	0	3
95°	37	7	9	9	9	46
105°	186	189	192	14	15	196
115°	349	352	353	358	360	345
125°	496	500	498	504	507	443
135°	624	627	622	626	630	480
145°	726	730	721	726	730	454
155°	804	810	799	801	806	371
165°	857	861	852	850	856	242
175°	881	886	874	870	872	84
180°	879	879	879	879	879	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	922.4	922.4	922.4	922.4	922.4
2.5°	917.7	927.0	918.8	919.9	921.9
5°	914.6	926.1	915.2	914.1	920.5
7.5°	907.5	918.0	906.7	904.1	909.9
10°	900.2	911.7	898.9	895.7	898.9
12.5°	887.1	899.1	888.9	883.6	886.3
15°	869.4	877.1	869.4	864.1	864.1
17.5°	847.8	855.8	841.3	837.6	836.2
20°	832.0	839.1	823.5	818.2	816.3
22.5°	811.1	817.6	804.7	795.7	793.3
25°	782.2	784.8	772.4	761.9	758.7
27.5°	753.3	753.9	736.9	724.1	719.9
30°	729.2	729.8	710.2	696.3	693.1
32.5°	705.1	703.1	684.5	668.1	665.9
35°	671.5	665.1	646.6	627.5	623.7
37.5°	631.0	627.2	605.4	586.2	580.5
40°	605.4	598.9	576.5	557.4	551.6
42.5°	579.7	572.2	549.3	528.0	521.8
45°	539.8	531.5	509.0	484.6	477.6
47.5°	499.7	490.6	465.9	442.3	434.5
50°	473.0	463.4	437.6	414.5	406.2
52.5°	445.8	435.6	409.9	386.3	379.5
55°	404.9	394.0	368.8	345.1	338.7
57.5°	364.0	353.2	328.2	305.8	298.1
60°	336.7	326.5	302.0	279.6	271.9
62.5°	309.0	299.2	275.3	253.4	246.2
65°	268.6	259.0	236.5	215.4	209.0
67.5°	228.6	220.4	198.2	178.9	173.7
70°	202.4	194.8	173.6	155.8	150.7
72.5°	177.3	169.1	149.0	133.8	130.2
75°	138.9	131.2	115.3	103.5	101.5
77.5°	103.8	97.5	83.7	77.0	76.0
80°	81.2	75.5	64.9	60.3	60.3
82.5°	60.3	55.5	48.6	46.6	46.6
85°	31.4	28.9	27.5	27.5	27.5
87.5°	9.4	9.4	8.9	8.5	8.4
90°	0.0	0.0	0.0	0.6	0.0
92.5°	10.1	3.9	3.2	3.8	3.7
95°	37.1	6.7	8.6	9.3	9.3
97.5°	74.8	73.3	10.1	12.1	12.2
100°	103.4	106.6	10.6	12.6	13.3
102.5°	135.2	137.9	19.6	13.1	13.8
105°	186.2	188.8	191.5	13.9	14.6
107.5°	237.0	238.9	240.7	216.7	81.1
110°	270.4	272.3	273.0	279.7	281.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	301.7	304.1	305.4	311.0	313.3
115°	349.3	351.8	352.6	357.9	359.9
117.5°	394.5	397.2	398.4	402.7	405.8
120°	424.1	427.4	428.1	433.5	436.1
122.5°	453.3	457.1	456.7	461.6	465.2
125°	496.4	499.6	498.4	503.7	507.0
127.5°	537.3	539.3	536.5	543.1	545.8
130°	563.3	565.3	562.0	568.0	571.3
132.5°	587.2	590.2	586.4	591.9	595.1
135°	623.6	626.9	621.6	626.4	630.2
137.5°	656.1	660.0	653.7	659.2	662.6
140°	677.3	681.2	673.3	679.4	683.3
142.5°	696.9	701.8	692.4	697.9	702.4
145°	725.7	730.2	721.0	725.8	729.7
147.5°	753.0	756.9	748.1	751.5	754.2
150°	769.4	773.3	763.5	766.8	770.1
152.5°	782.7	788.1	778.3	780.7	785.5
155°	803.9	810.4	799.2	801.3	806.5
157.5°	823.4	829.2	818.1	819.9	824.4
160°	835.0	840.9	829.7	830.5	835.0
162.5°	844.0	849.4	839.8	838.5	844.0
165°	856.9	861.4	852.3	849.7	855.6
167.5°	867.6	872.8	861.5	859.4	866.0
170°	873.5	878.6	866.8	863.7	870.8
172.5°	877.2	881.8	870.5	866.3	871.9
175°	881.4	886.0	874.1	869.5	872.1
177.5°	882.6	886.2	876.8	872.7	878.9
180°	879.4	879.4	879.4	879.4	879.4



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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	14.91	15.73	15.90	16.73	18.06	13.83	14.65	14.83	15.65	16.98
	3H	16.57	17.31	17.58	18.32	19.67	15.24	15.98	16.25	16.99	18.34
	4H	17.20	17.90	18.22	18.91	20.27	15.76	16.45	16.78	17.47	18.82
	6H	17.59	18.22	18.61	19.24	20.61	16.08	16.71	17.10	17.73	19.10
	8H	17.72	18.33	18.75	19.37	20.73	16.20	16.80	17.23	17.84	19.21
	12H	17.79	18.36	18.83	19.39	20.78	16.27	16.85	17.31	17.88	19.27
4H	2H	15.31	16.01	16.34	17.02	18.38	14.46	15.15	15.48	16.16	17.52
	3H	17.20	17.78	18.23	18.82	20.19	16.07	16.65	17.10	17.69	19.06
	4H	17.95	18.48	18.99	19.51	20.90	16.68	17.20	17.71	18.24	19.63
	6H	18.45	18.90	19.50	19.96	21.35	17.09	17.54	18.13	18.60	19.99
	8H	18.64	19.06	19.69	20.11	21.52	17.25	17.68	18.30	18.73	20.13
	12H	18.73	19.12	19.80	20.18	21.59	17.36	17.74	18.43	18.81	20.22
8H	4H	18.07	18.50	19.12	19.55	20.95	16.93	17.36	17.98	18.41	19.81
	6H	18.69	19.04	19.76	20.13	21.54	17.46	17.81	18.53	18.90	20.31
	8H	18.97	19.27	20.05	20.35	21.77	17.71	18.02	18.79	19.10	20.52
	12H	19.13	19.40	20.21	20.47	21.93	17.89	18.16	18.97	19.23	20.69
12H	4H	18.04	18.43	19.11	19.49	20.90	16.93	17.32	18.00	18.38	19.79
	6H	18.71	19.01	19.79	20.09	21.51	17.52	17.83	18.60	18.90	20.32
	8H	19.00	19.27	20.09	20.35	21.81	17.80	18.07	18.88	19.14	20.60