

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: P1439173

Luminaire Tested: CB3-055U-030D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439173
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-030D-940-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

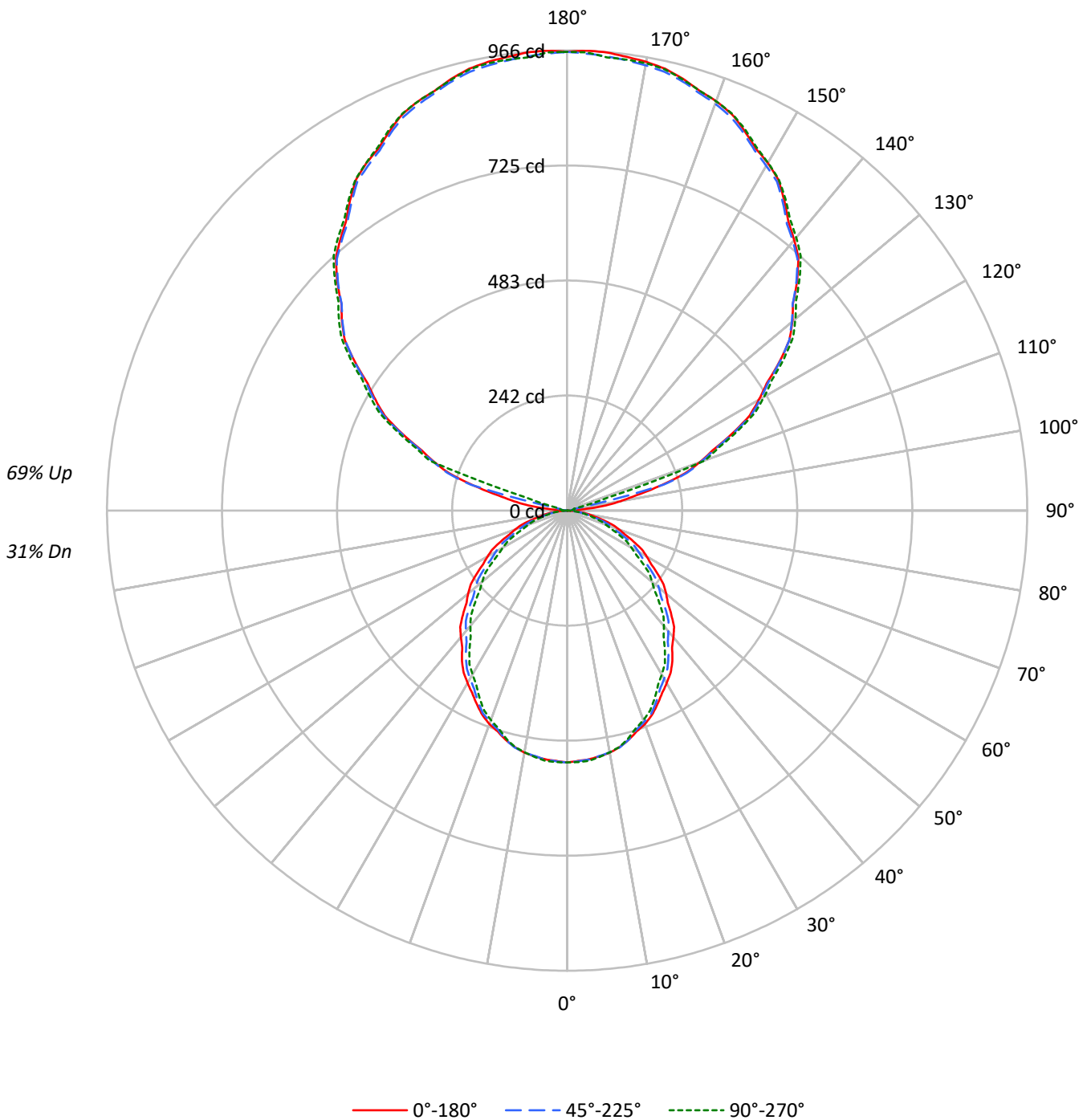
Lumens per Lamp: N/A
Luminaire Lumens: 4108.1 lumens
Efficiency: N/A
Efficacy: 167.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 24.5
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										
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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	39	39	39	31														
1	94	89	86	82	84	81	77	75	64	62	60	48	47	46	34	33	33	33	33	33	33	33	33	26														
2	85	78	72	67	76	70	66	61	56	53	50	43	40	38	30	29	28	28	28	28	28	28	28	22														
3	78	69	62	56	70	62	56	51	49	45	42	38	35	33	27	25	24	24	24	24	24	24	24	19														
4	71	61	53	47	64	55	48	43	44	39	36	34	30	28	24	22	20	20	20	20	20	20	20	16														
5	65	54	46	41	58	49	42	37	39	34	31	30	27	24	22	20	18	18	18	18	18	18	18	14														
6	60	48	41	35	54	44	37	32	35	30	27	27	24	21	20	17	16	16	16	16	16	16	16	13														
7	55	44	36	31	50	40	33	28	32	27	23	25	21	19	18	16	14	14	14	14	14	14	14	11														
8	51	40	32	27	46	36	29	25	29	24	21	23	19	17	16	14	13	13	13	13	13	13	13	10														
9	48	36	29	24	43	33	26	22	27	22	18	21	17	15	15	13	11	11	11	11	11	11	11	9														
10	45	33	26	21	40	30	24	20	24	20	17	19	16	13	14	12	10	10	10	10	10	10	10	8														

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5983	5983	5983
5°	5955	5958	5992
10°	5928	5919	5919
15°	5837	5837	5802
20°	5742	5684	5634
25°	5598	5528	5429
30°	5461	5319	5191
35°	5316	5120	4938
40°	5125	4882	4670
45°	4951	4669	4381
50°	4772	4416	4098
55°	4578	4170	3831
60°	4367	3917	3528
65°	4123	3630	3207
70°	3837	3292	2858
75°	3480	2890	2544
80°	3036	2424	2248
85°	2337	2051	2051

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4951 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.9	1.2
10°-20°	140.2	3.4
20°-30°	203.6	5.0
30°-40°	231.5	5.6
40°-50°	224.8	5.5
50°-60°	189.8	4.6
60°-70°	135.0	3.3
70°-80°	72.1	1.8
80°-90°	19.1	0.5
90°-100°	22.2	0.5
100°-110°	161.1	3.9
110°-120°	382.9	9.3
120°-130°	489.2	11.9
130°-140°	527.7	12.8
140°-150°	497.4	12.1
150°-160°	405.8	9.9
160°-170°	264.4	6.4
170°-180°	91.4	2.2
0°-30°	393.7	9.6
0°-40°	625.2	15.2
0°-60°	1039.7	25.3
0°-90°	1266.0	30.8
90°-120°	566.2	13.8
90°-150°	2080.5	50.6
90°-180°	2842.0	69.2
0°-180°	4108.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	529	529	529	529	529	
5°	524	531	525	524	528	50
15°	498	503	498	495	495	140
25°	448	450	443	437	435	207
35°	385	381	371	360	358	240
45°	309	305	292	278	274	239
55°	232	226	211	198	194	207
65°	154	148	136	124	120	153
75°	80	75	66	59	58	85
85°	18	17	16	16	16	21
90°	0	0	0	1	0	2
95°	41	7	9	10	10	50
105°	204	207	210	15	16	215
115°	382	385	386	392	394	377
125°	544	547	546	552	555	485
135°	683	686	681	686	690	526
145°	795	800	790	795	799	497
155°	880	887	875	878	883	406
165°	938	943	933	930	937	265
175°	965	970	957	952	955	92
180°	963	963	963	963	963	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	528.8	528.8	528.8	528.8	528.8
2.5°	526.1	531.3	526.7	527.3	528.5
5°	524.3	530.9	524.6	524.0	527.6
7.5°	520.2	526.2	519.8	518.2	521.6
10°	516.0	522.6	515.2	513.4	515.2
12.5°	508.5	515.4	509.5	506.5	508.0
15°	498.3	502.8	498.3	495.3	495.3
17.5°	486.0	490.6	482.3	480.2	479.3
20°	476.9	481.0	472.1	469.0	467.9
22.5°	464.9	468.7	461.2	456.1	454.7
25°	448.4	449.9	442.8	436.7	434.9
27.5°	431.8	432.2	422.4	415.1	412.6
30°	418.0	418.3	407.1	399.2	397.3
32.5°	404.2	403.1	392.4	383.0	381.7
35°	384.9	381.3	370.7	359.7	357.5
37.5°	361.7	359.5	347.0	336.0	332.7
40°	347.0	343.3	330.5	319.5	316.2
42.5°	332.3	328.0	314.9	302.7	299.1
45°	309.4	304.7	291.8	277.8	273.8
47.5°	286.5	281.3	267.1	253.5	249.1
50°	271.1	265.6	250.9	237.6	232.8
52.5°	255.5	249.7	234.9	221.4	217.5
55°	232.1	225.8	211.4	197.8	194.2
57.5°	208.7	202.5	188.1	175.3	170.9
60°	193.0	187.2	173.1	160.3	155.9
62.5°	177.1	171.5	157.8	145.2	141.1
65°	154.0	148.5	135.6	123.5	119.8
67.5°	131.1	126.4	113.6	102.5	99.6
70°	116.0	111.6	99.5	89.3	86.4
72.5°	101.6	96.9	85.4	76.7	74.7
75°	79.6	75.2	66.1	59.3	58.2
77.5°	59.5	55.9	48.0	44.2	43.6
80°	46.6	43.3	37.2	34.5	34.5
82.5°	34.5	31.8	27.9	26.7	26.7
85°	18.0	16.6	15.8	15.8	15.8
87.5°	5.4	5.4	5.1	4.9	4.8
90°	0.0	0.0	0.0	0.7	0.0
92.5°	11.0	4.2	3.5	4.2	4.1
95°	40.6	7.3	9.4	10.2	10.2
97.5°	81.9	80.3	11.0	13.2	13.4
100°	113.2	116.8	11.6	13.8	14.5
102.5°	148.0	151.0	21.5	14.4	15.1
105°	203.9	206.8	209.7	15.3	16.0
107.5°	259.5	261.6	263.6	237.3	88.8
110°	296.1	298.2	299.0	306.3	307.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	330.3	333.0	334.4	340.6	343.1
115°	382.5	385.3	386.1	391.9	394.1
117.5°	431.9	434.9	436.3	441.0	444.4
120°	464.5	468.0	468.8	474.7	477.5
122.5°	496.4	500.5	500.2	505.5	509.5
125°	543.6	547.1	545.7	551.6	555.2
127.5°	588.4	590.5	587.5	594.7	597.7
130°	616.9	619.0	615.4	622.0	625.6
132.5°	643.0	646.2	642.1	648.1	651.7
135°	682.9	686.4	680.7	685.9	690.2
137.5°	718.5	722.7	715.8	721.9	725.6
140°	741.7	745.9	737.3	744.0	748.2
142.5°	763.2	768.6	758.2	764.3	769.1
145°	794.7	799.6	789.6	794.8	799.0
147.5°	824.6	828.8	819.2	822.9	825.9
150°	842.6	846.8	836.0	839.7	843.3
152.5°	857.1	863.0	852.3	854.9	860.1
155°	880.3	887.4	875.2	877.5	883.2
157.5°	901.6	908.0	895.8	897.8	902.8
160°	914.4	920.8	908.6	909.4	914.4
162.5°	924.3	930.1	919.6	918.2	924.3
165°	938.4	943.3	933.3	930.5	936.9
167.5°	950.1	955.8	943.4	941.1	948.4
170°	956.5	962.2	949.2	945.8	953.6
172.5°	960.6	965.7	953.3	948.7	954.8
175°	965.2	970.2	957.2	952.2	955.0
177.5°	966.5	970.5	960.1	955.6	962.4
180°	963.0	963.0	963.0	963.0	963.0

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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	11.26	11.96	12.37	13.07	14.59	10.18	10.89	11.29	11.99	13.51
	3H	12.91	13.54	14.03	14.66	16.19	11.58	12.21	12.70	13.32	14.86
	4H	13.54	14.13	14.66	15.25	16.79	12.09	12.69	13.22	13.80	15.35
	6H	13.91	14.46	15.05	15.58	17.13	12.40	12.95	13.54	14.07	15.62
	8H	14.05	14.57	15.18	15.70	17.25	12.52	13.04	13.66	14.17	15.72
	12H	14.11	14.60	15.25	15.73	17.30	12.59	13.09	13.73	14.21	15.78
4H	2H	11.65	12.25	12.78	13.36	14.90	10.79	11.39	11.92	12.50	14.04
	3H	13.52	14.02	14.66	15.16	16.72	12.39	12.89	13.53	14.03	15.59
	4H	14.26	14.72	15.41	15.85	17.43	12.99	13.45	14.14	14.58	16.16
	6H	14.76	15.15	15.91	16.30	17.87	13.40	13.79	14.54	14.94	16.51
	8H	14.95	15.31	16.09	16.45	18.04	13.56	13.93	14.71	15.07	16.65
	12H	15.03	15.37	16.20	16.52	18.11	13.66	13.99	14.82	15.15	16.73
8H	4H	14.38	14.75	15.53	15.89	17.47	13.24	13.61	14.39	14.75	16.33
	6H	14.99	15.30	16.16	16.48	18.06	13.76	14.07	14.93	15.25	16.83
	8H	15.27	15.53	16.44	16.69	18.30	14.01	14.28	15.19	15.44	17.04
	12H	15.42	15.66	16.60	16.82	18.45	14.18	14.42	15.36	15.58	17.21
12H	4H	14.35	14.68	15.51	15.83	17.42	13.24	13.57	14.40	14.72	16.31
	6H	15.01	15.27	16.18	16.44	18.04	13.82	14.08	14.99	15.25	16.85
	8H	15.30	15.53	16.48	16.69	18.33	14.09	14.33	15.27	15.49	17.12