

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: P1439161

Luminaire Tested: CB3-055U-030D-830-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439161
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

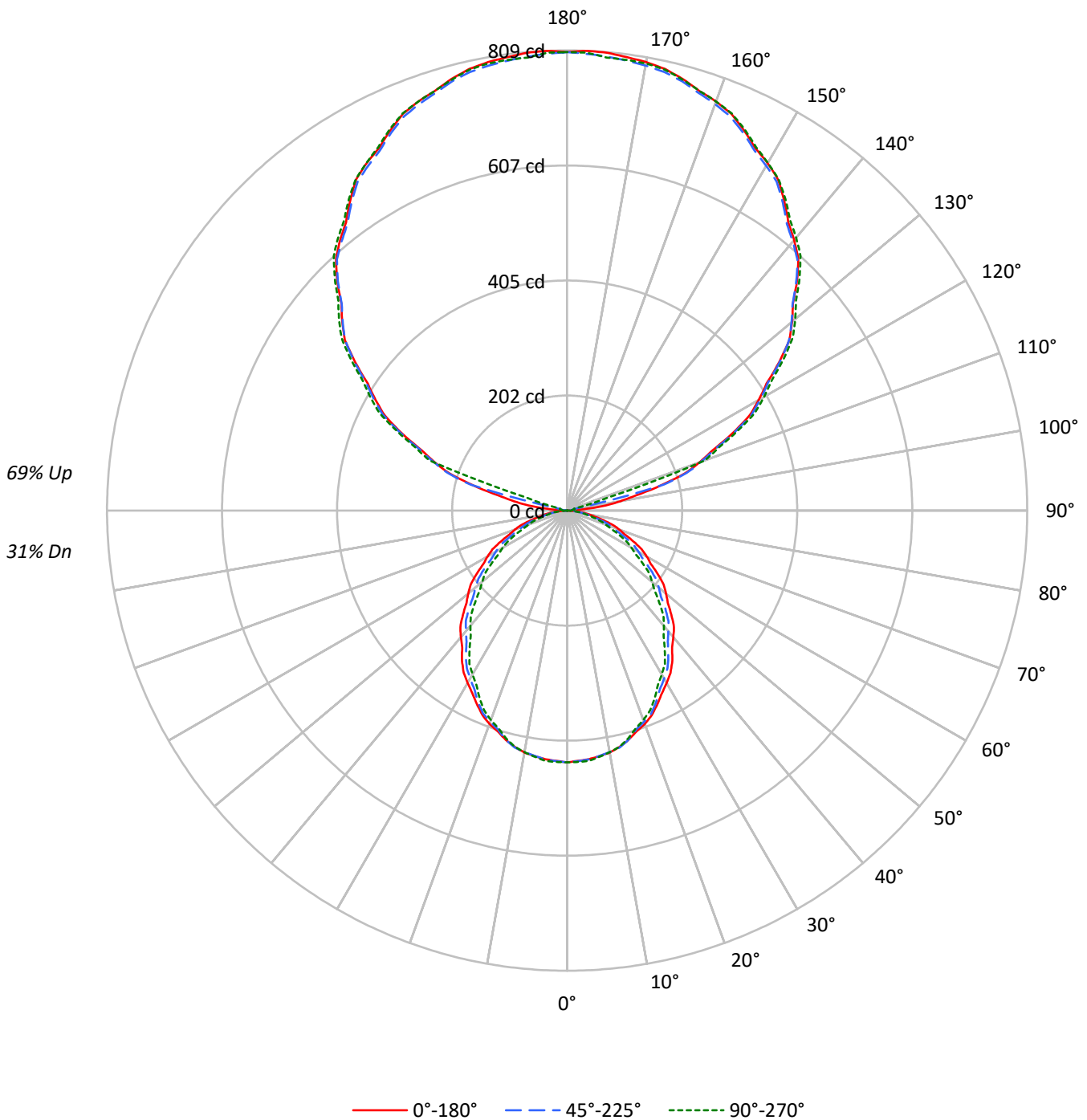
Lumens per Lamp: N/A
Luminaire Lumens: 3438.5 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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					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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	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	26	
2	85	78	72	67	76	70	66	61	56	53	50	43	40	38	30	29	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	19	
4	71	61	53	47	64	55	48	43	44	39	36	34	30	28	24	22	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	14	
6	60	48	41	35	54	44	37	32	35	30	27	27	24	21	20	17	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	11	
8	51	40	32	27	46	36	29	25	29	24	21	23	19	17	16	14	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	9	
10	45	33	26	21	40	30	24	20	24	20	17	19	16	13	14	12	10	10	10	10	8	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5008	5008	5008
5°	4984	4987	5016
10°	4962	4955	4955
15°	4886	4886	4857
20°	4807	4757	4716
25°	4685	4627	4544
30°	4571	4451	4345
35°	4450	4285	4133
40°	4289	4085	3910
45°	4144	3907	3666
50°	3994	3696	3431
55°	3833	3492	3206
60°	3657	3279	2951
65°	3451	3039	2685
70°	3212	2756	2392
75°	2911	2418	2129
80°	2541	2026	1883
85°	1960	1714	1714

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4144 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.8	1.2
10°-20°	117.3	3.4
20°-30°	170.4	5.0
30°-40°	193.8	5.6
40°-50°	188.1	5.5
50°-60°	158.8	4.6
60°-70°	113.0	3.3
70°-80°	60.4	1.8
80°-90°	16.0	0.5
90°-100°	18.6	0.5
100°-110°	134.8	3.9
110°-120°	320.5	9.3
120°-130°	409.5	11.9
130°-140°	441.7	12.8
140°-150°	416.4	12.1
150°-160°	339.7	9.9
160°-170°	221.3	6.4
170°-180°	76.5	2.2
0°-30°	329.5	9.6
0°-40°	523.3	15.2
0°-60°	870.2	25.3
0°-90°	1059.6	30.8
90°-120°	473.9	13.8
90°-150°	1741.4	50.6
90°-180°	2379.0	69.2
0°-180°	3438.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	443	443	443	443	443	
5°	439	444	439	439	442	42
15°	417	421	417	415	415	117
25°	375	376	371	366	364	173
35°	322	319	310	301	299	201
45°	259	255	244	232	229	200
55°	194	189	177	166	162	174
65°	129	124	114	103	100	128
75°	67	63	55	50	49	71
85°	15	14	13	13	13	18
90°	0	0	0	1	0	2
95°	34	6	8	8	8	42
105°	171	173	176	13	13	180
115°	320	322	323	328	330	316
125°	455	458	457	462	465	406
135°	572	575	570	574	578	440
145°	665	669	661	665	669	416
155°	737	743	733	734	739	340
165°	785	790	781	779	784	222
175°	808	812	801	797	799	77
180°	806	806	806	806	806	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	442.6	442.6	442.6	442.6	442.6
2.5°	440.3	444.7	440.8	441.3	442.3
5°	438.8	444.3	439.1	438.6	441.6
7.5°	435.4	440.5	435.0	433.8	436.5
10°	431.9	437.4	431.3	429.7	431.3
12.5°	425.6	431.4	426.5	423.9	425.2
15°	417.1	420.8	417.1	414.6	414.6
17.5°	406.7	410.6	403.7	401.9	401.2
20°	399.2	402.6	395.1	392.6	391.7
22.5°	389.1	392.3	386.1	381.8	380.6
25°	375.3	376.5	370.6	365.5	364.0
27.5°	361.4	361.7	353.6	347.4	345.4
30°	349.9	350.2	340.7	334.1	332.6
32.5°	338.3	337.4	328.4	320.5	319.5
35°	322.2	319.1	310.2	301.1	299.2
37.5°	302.8	300.9	290.4	281.3	278.5
40°	290.4	287.4	276.6	267.4	264.7
42.5°	278.1	274.6	263.5	253.3	250.3
45°	259.0	255.0	244.2	232.5	229.1
47.5°	239.8	235.4	223.6	212.2	208.5
50°	226.9	222.3	210.0	198.9	194.9
52.5°	213.9	209.0	196.6	185.3	182.1
55°	194.3	189.0	177.0	165.6	162.5
57.5°	174.6	169.5	157.5	146.7	143.0
60°	161.6	156.6	144.9	134.1	130.4
62.5°	148.2	143.6	132.1	121.6	118.1
65°	128.9	124.3	113.5	103.3	100.3
67.5°	109.7	105.8	95.1	85.8	83.4
70°	97.1	93.4	83.3	74.8	72.3
72.5°	85.1	81.1	71.5	64.2	62.5
75°	66.6	63.0	55.3	49.6	48.7
77.5°	49.8	46.8	40.2	37.0	36.5
80°	39.0	36.2	31.1	28.9	28.9
82.5°	28.9	26.6	23.3	22.4	22.4
85°	15.1	13.9	13.2	13.2	13.2
87.5°	4.5	4.5	4.3	4.1	4.0
90°	0.0	0.0	0.0	0.6	0.0
92.5°	9.2	3.5	2.9	3.5	3.4
95°	34.0	6.1	7.9	8.5	8.5
97.5°	68.5	67.2	9.2	11.1	11.2
100°	94.8	97.7	9.7	11.6	12.1
102.5°	123.9	126.4	18.0	12.0	12.6
105°	170.7	173.1	175.5	12.8	13.4
107.5°	217.2	219.0	220.6	198.6	74.3
110°	247.8	249.6	250.3	256.4	257.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	276.5	278.8	279.9	285.1	287.2
115°	320.1	322.5	323.2	328.1	329.8
117.5°	361.5	364.0	365.2	369.1	372.0
120°	388.8	391.7	392.4	397.3	399.7
122.5°	415.5	418.9	418.6	423.1	426.4
125°	455.0	457.9	456.8	461.7	464.7
127.5°	492.5	494.3	491.8	497.8	500.3
130°	516.3	518.1	515.1	520.6	523.6
132.5°	538.2	540.9	537.5	542.5	545.5
135°	571.6	574.6	569.8	574.1	577.7
137.5°	601.4	604.9	599.2	604.2	607.3
140°	620.8	624.4	617.1	622.7	626.3
142.5°	638.8	643.3	634.6	639.7	643.8
145°	665.1	669.3	660.9	665.2	668.8
147.5°	690.2	693.7	685.7	688.8	691.3
150°	705.2	708.8	699.8	702.9	705.8
152.5°	717.4	722.4	713.4	715.5	719.9
155°	736.8	742.8	732.6	734.5	739.2
157.5°	754.7	760.0	749.8	751.5	755.6
160°	765.4	770.7	760.5	761.2	765.4
162.5°	773.6	778.5	769.7	768.5	773.6
165°	785.4	789.6	781.2	778.8	784.2
167.5°	795.2	800.0	789.7	787.7	793.8
170°	800.6	805.3	794.5	791.6	798.2
172.5°	804.0	808.3	797.9	794.0	799.1
175°	807.9	812.0	801.2	797.0	799.4
177.5°	809.0	812.3	803.6	799.9	805.6
180°	806.1	806.1	806.1	806.1	806.1



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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	10.64	11.35	11.75	12.45	13.97	9.56	10.27	10.67	11.37	12.89
	3H	12.29	12.93	13.41	14.04	15.57	10.96	11.59	12.08	12.71	14.24
	4H	12.92	13.52	14.04	14.63	16.17	11.47	12.07	12.60	13.18	14.73
	6H	13.29	13.85	14.43	14.96	16.52	11.78	12.33	12.92	13.45	15.00
	8H	13.43	13.95	14.56	15.08	16.63	11.90	12.43	13.04	13.56	15.10
	12H	13.49	13.99	14.63	15.11	16.68	11.97	12.47	13.11	13.59	15.16
4H	2H	11.03	11.63	12.16	12.74	14.28	10.17	10.77	11.30	11.88	13.42
	3H	12.90	13.40	14.04	14.54	16.10	11.77	12.27	12.91	13.41	14.97
	4H	13.65	14.11	14.79	15.23	16.81	12.37	12.83	13.52	13.96	15.54
	6H	14.14	14.53	15.29	15.68	17.25	12.78	13.17	13.93	14.32	15.89
	8H	14.33	14.69	15.48	15.84	17.42	12.94	13.31	14.09	14.45	16.04
	12H	14.42	14.75	15.58	15.90	17.49	13.04	13.38	14.21	14.53	16.12
8H	4H	13.76	14.13	14.91	15.27	16.86	12.62	12.99	13.77	14.13	15.72
	6H	14.38	14.68	15.54	15.86	17.44	13.15	13.45	14.31	14.63	16.21
	8H	14.65	14.91	15.82	16.08	17.68	13.40	13.66	14.57	14.82	16.42
	12H	14.81	15.04	15.98	16.20	17.83	13.57	13.80	14.74	14.96	16.59
12H	4H	13.73	14.06	14.89	15.21	16.80	12.62	12.95	13.78	14.10	15.69
	6H	14.39	14.66	15.57	15.82	17.42	13.20	13.47	14.38	14.63	16.23
	8H	14.68	14.92	15.86	16.07	17.71	13.48	13.71	14.65	14.87	16.50