

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: P1439133

Luminaire Tested: CB3-030U-085D-830-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439133  
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: CB3-030U-085D-830-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

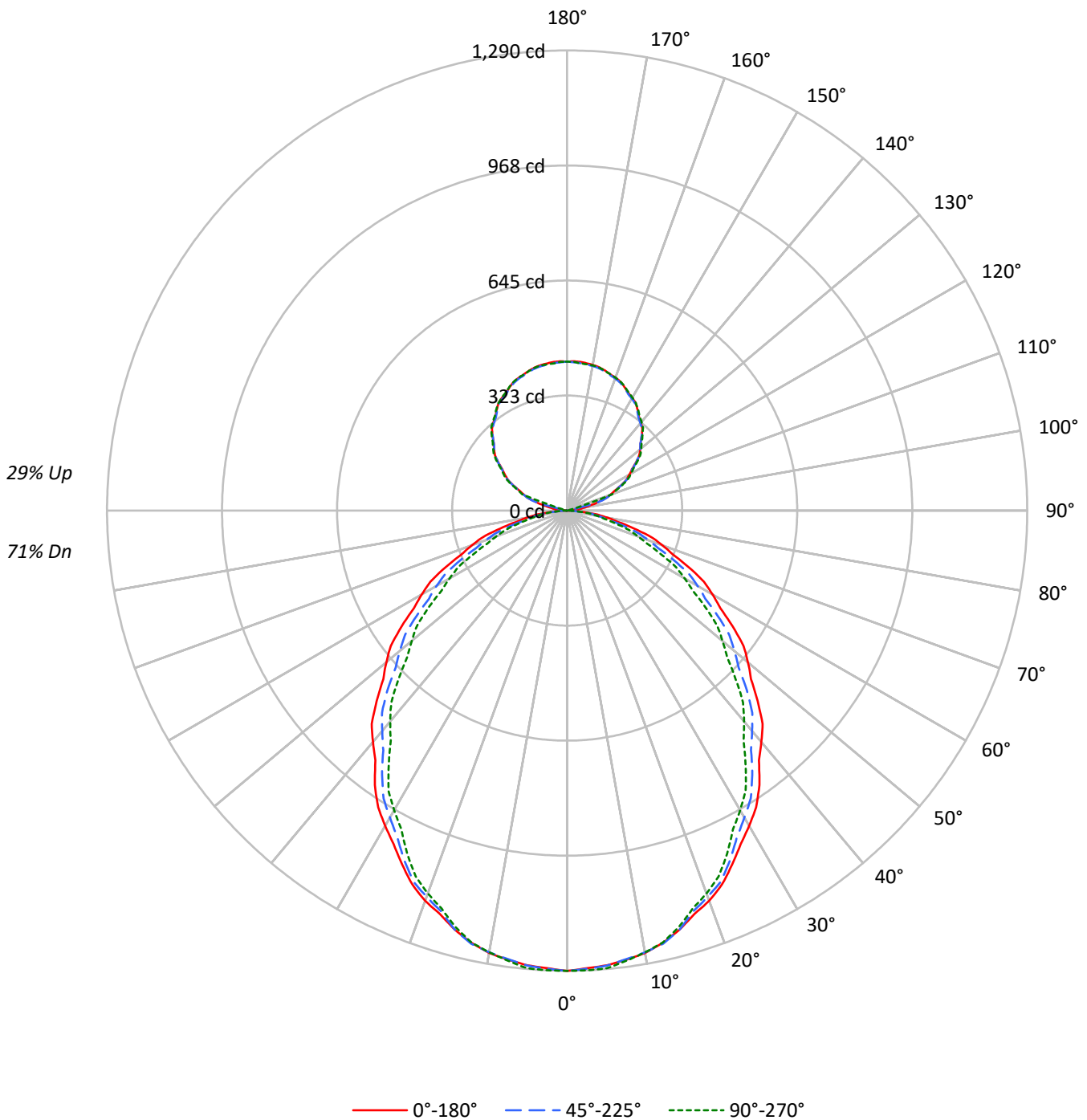
Lumens per Lamp: N/A  
Luminaire Lumens: 4321.9 lumens  
Efficiency: N/A  
Efficacy: 127.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 33.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	76	76	76	76	76	76	71														
1	103	98	95	91	97	93	90	87	84	81	79	75	73	72	68	66	65	65	65	65	65	65	65	61														
2	94	86	80	75	89	82	76	72	74	70	66	67	63	60	60	57	55	55	55	55	55	55	55	51														
3	86	76	69	63	81	72	66	60	66	60	56	59	55	51	53	50	47	47	47	47	47	47	47	44														
4	79	68	60	53	74	64	57	52	58	53	48	53	48	44	48	44	41	41	41	41	41	41	41	38														
5	72	61	52	46	68	58	50	45	53	46	42	48	43	39	43	39	36	36	36	36	36	36	36	33														
6	67	55	46	40	63	52	45	39	48	41	36	43	38	34	39	35	32	32	32	32	32	32	32	29														
7	62	49	41	36	59	47	40	34	43	37	32	39	34	30	36	31	28	28	28	28	28	28	28	26														
8	58	45	37	32	55	43	36	31	40	33	29	36	31	27	33	29	25	25	25	25	25	25	25	23														
9	54	41	34	28	51	40	33	28	36	30	26	33	28	25	31	26	23	23	23	23	23	23	23	21														
10	50	38	31	26	48	37	30	25	34	28	24	31	26	22	28	24	21	21	21	21	21	21	21	19														

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	14601	14601	14601
5°	14532	14543	14627
10°	14469	14448	14448
15°	14247	14247	14162
20°	14015	13872	13750
25°	13663	13490	13251
30°	13328	12981	12669
35°	12977	12496	12053
40°	12509	11914	11400
45°	12086	11396	10692
50°	11649	10778	10003
55°	11173	10179	9348
60°	10661	9561	8608
65°	10061	8859	7828
70°	9369	8036	6974
75°	8494	7051	6212
80°	7408	5910	5493
85°	5712	4998	4998

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12086 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.8	2.8
10°-20°	342.1	7.9
20°-30°	497.0	11.5
30°-40°	565.1	13.1
40°-50°	548.6	12.7
50°-60°	463.1	10.7
60°-70°	329.5	7.6
70°-80°	176.1	4.1
80°-90°	46.5	1.1
90°-100°	9.6	0.2
100°-110°	69.8	1.6
110°-120°	166.0	3.8
120°-130°	212.1	4.9
130°-140°	228.8	5.3
140°-150°	215.7	5.0
150°-160°	175.9	4.1
160°-170°	114.6	2.7
170°-180°	39.6	0.9
0°-30°	960.9	22.2
0°-40°	1525.9	35.3
0°-60°	2537.6	58.7
0°-90°	3089.7	71.5
90°-120°	245.5	5.7
90°-150°	902.0	20.9
90°-180°	1232.0	28.5
0°-180°	4321.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1290	1290	1290	1290	1290	
5°	1280	1296	1280	1279	1288	121
15°	1216	1227	1216	1209	1209	343
25°	1094	1098	1081	1066	1061	504
35°	940	930	905	878	873	585
45°	755	744	712	678	668	583
55°	566	551	516	483	474	506
65°	376	362	331	301	292	372
75°	194	184	161	145	142	207
85°	44	40	38	38	38	52
90°	0	0	0	0	0	2
95°	18	3	4	4	4	22
105°	88	90	91	7	7	93
115°	166	167	167	170	171	164
125°	236	237	237	239	241	210
135°	296	298	295	297	299	228
145°	344	347	342	345	346	216
155°	382	385	380	380	383	176
165°	407	409	405	403	406	115
175°	418	421	415	413	414	40
180°	418	418	418	418	418	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1290.5	1290.5	1290.5	1290.5	1290.5
2.5°	1283.9	1296.8	1285.4	1286.9	1289.8
5°	1279.5	1295.7	1280.4	1278.8	1287.8
7.5°	1269.6	1284.3	1268.5	1264.9	1272.9
10°	1259.4	1275.5	1257.5	1253.1	1257.5
12.5°	1241.0	1257.9	1243.6	1236.2	1239.9
15°	1216.3	1227.0	1216.3	1209.0	1209.0
17.5°	1186.0	1197.3	1177.1	1171.9	1169.9
20°	1164.0	1173.9	1152.1	1144.7	1142.0
22.5°	1134.7	1143.9	1125.7	1113.2	1109.8
25°	1094.4	1098.0	1080.6	1065.9	1061.4
27.5°	1053.9	1054.8	1031.0	1013.0	1007.1
30°	1020.1	1021.0	993.6	974.2	969.7
32.5°	986.4	983.7	957.6	934.6	931.6
35°	939.5	930.5	904.7	878.0	872.6
37.5°	882.8	877.5	846.9	820.1	812.1
40°	846.9	837.9	806.6	779.8	771.8
42.5°	811.0	800.6	768.5	738.7	730.0
45°	755.3	743.6	712.2	678.0	668.2
47.5°	699.2	686.4	651.9	618.8	607.9
50°	661.8	648.3	612.3	579.9	568.3
52.5°	623.6	609.5	573.4	540.4	530.9
55°	566.4	551.2	516.0	482.8	473.9
57.5°	509.2	494.2	459.2	427.8	417.0
60°	471.1	456.8	422.5	391.1	380.4
62.5°	432.3	418.6	385.1	354.5	344.4
65°	375.8	362.4	330.9	301.3	292.4
67.5°	319.9	308.4	277.4	250.2	243.1
70°	283.2	272.5	242.9	218.0	210.8
72.5°	248.0	236.6	208.4	187.2	182.2
75°	194.3	183.6	161.3	144.8	142.1
77.5°	145.2	136.4	117.1	107.8	106.3
80°	113.7	105.6	90.7	84.3	84.3
82.5°	84.3	77.7	68.0	65.3	65.3
85°	44.0	40.4	38.5	38.5	38.5
87.5°	13.2	13.2	12.5	11.8	11.7
90°	0.0	0.0	0.0	0.3	0.0
92.5°	4.8	1.8	1.5	1.8	1.8
95°	17.6	3.2	4.1	4.4	4.4
97.5°	35.5	34.8	4.8	5.7	5.8
100°	49.1	50.6	5.0	6.0	6.3
102.5°	64.2	65.5	9.3	6.2	6.5
105°	88.4	89.6	90.9	6.6	6.9
107.5°	112.5	113.4	114.3	102.9	38.5
110°	128.4	129.3	129.6	132.8	133.4

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	143.2	144.4	145.0	147.7	148.8
115°	165.8	167.0	167.4	169.9	170.9
117.5°	187.3	188.6	189.2	191.2	192.7
120°	201.4	202.9	203.3	205.8	207.0
122.5°	215.2	217.0	216.9	219.2	220.9
125°	235.7	237.2	236.6	239.2	240.7
127.5°	255.1	256.0	254.7	257.9	259.1
130°	267.4	268.4	266.8	269.7	271.2
132.5°	278.8	280.2	278.4	281.0	282.6
135°	296.1	297.6	295.1	297.4	299.2
137.5°	311.5	313.3	310.4	313.0	314.6
140°	321.6	323.4	319.7	322.6	324.4
142.5°	330.9	333.2	328.7	331.4	333.5
145°	344.5	346.7	342.3	344.6	346.4
147.5°	357.5	359.3	355.2	356.8	358.1
150°	365.3	367.1	362.5	364.1	365.6
152.5°	371.6	374.2	369.5	370.6	372.9
155°	381.7	384.7	379.5	380.5	382.9
157.5°	390.9	393.7	388.4	389.3	391.4
160°	396.5	399.2	393.9	394.3	396.5
162.5°	400.7	403.3	398.7	398.1	400.7
165°	406.8	409.0	404.6	403.4	406.2
167.5°	411.9	414.4	409.0	408.0	411.2
170°	414.7	417.2	411.6	410.1	413.4
172.5°	416.5	418.7	413.3	411.3	413.9
175°	418.5	420.6	415.0	412.8	414.1
177.5°	419.0	420.8	416.3	414.3	417.3
180°	417.5	417.5	417.5	417.5	417.5



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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	18.25	19.33	19.00	20.10	21.03	17.18	18.25	17.93	19.02	19.95
	3H	19.94	20.90	20.70	21.68	22.64	18.61	19.57	19.37	20.35	21.31
	4H	20.58	21.49	21.36	22.28	23.25	19.13	20.04	19.91	20.83	21.80
	6H	20.97	21.81	21.77	22.61	23.60	19.46	20.30	20.26	21.10	22.08
	8H	21.12	21.92	21.92	22.73	23.72	19.59	20.39	20.39	21.21	22.19
	12H	21.19	21.95	22.00	22.76	23.78	19.67	20.44	20.48	21.25	22.26
4H	2H	18.69	19.60	19.47	20.39	21.36	17.83	18.74	18.61	19.53	20.50
	3H	20.60	21.36	21.39	22.18	23.17	19.47	20.23	20.27	21.05	22.04
	4H	21.35	22.04	22.17	22.87	23.88	20.08	20.77	20.89	21.60	22.61
	6H	21.87	22.47	22.70	23.31	24.33	20.51	21.10	21.34	21.95	22.97
	8H	22.06	22.62	22.90	23.47	24.50	20.68	21.24	21.51	22.08	23.12
	12H	22.17	22.67	23.02	23.54	24.58	20.80	21.30	21.65	22.16	23.20
8H	4H	21.50	22.06	22.33	22.90	23.93	20.36	20.92	21.19	21.76	22.79
	6H	22.13	22.59	22.99	23.47	24.51	20.90	21.36	21.76	22.24	23.28
	8H	22.41	22.82	23.28	23.70	24.75	21.15	21.56	22.02	22.44	23.49
	12H	22.58	22.94	23.45	23.81	24.92	21.34	21.70	22.21	22.57	23.68
12H	4H	21.48	21.99	22.34	22.85	23.89	20.37	20.88	21.23	21.74	22.78
	6H	22.15	22.56	23.02	23.44	24.49	20.96	21.37	21.83	22.25	23.30
	8H	22.46	22.82	23.33	23.69	24.79	21.25	21.61	22.12	22.48	23.59