

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: P1439134

Luminaire Tested: CB3-030U-085D-830-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439134  
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-8  
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**

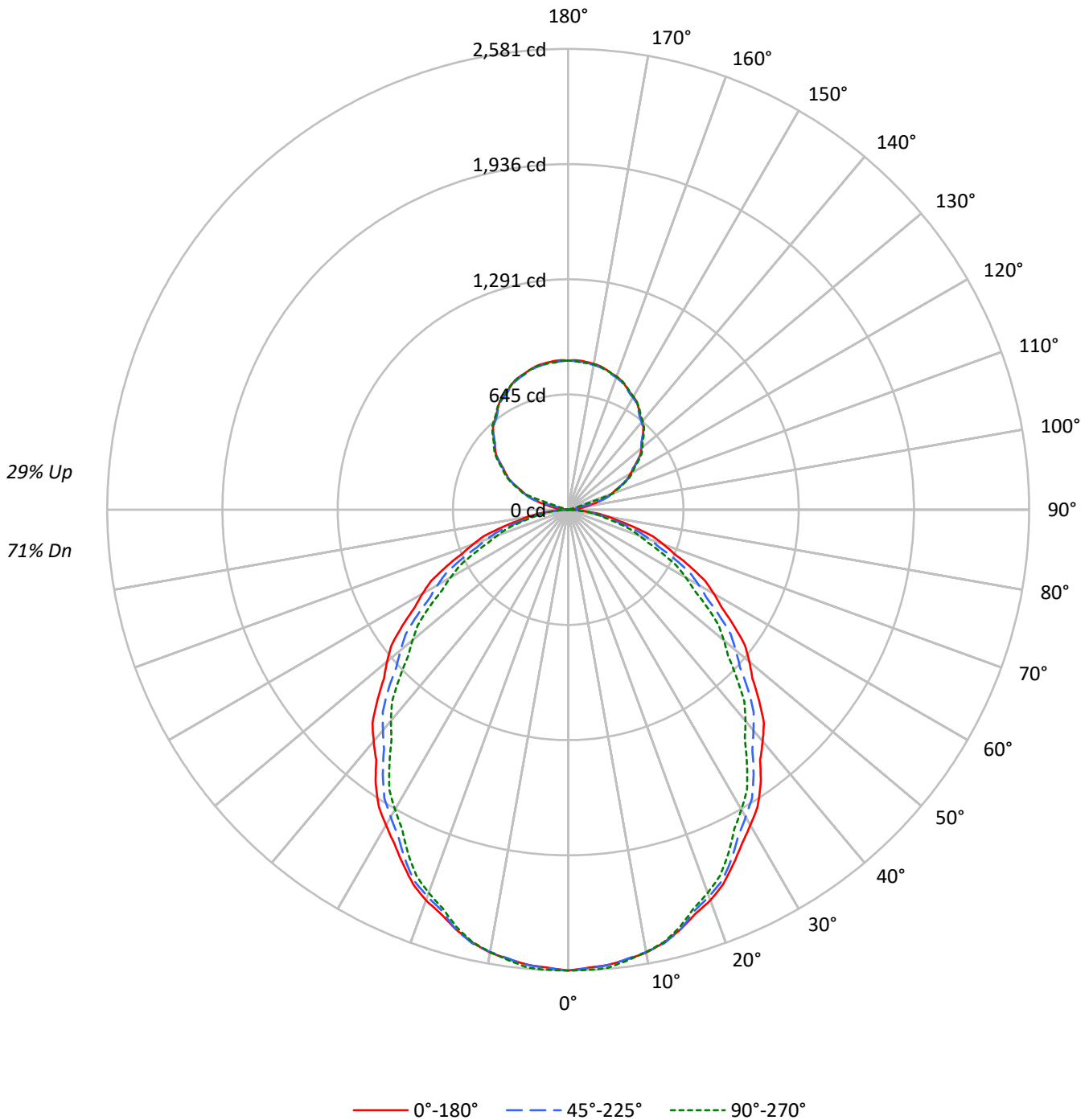
Lumens per Lamp: N/A  
Luminaire Lumens: 8643.9 lumens  
Efficiency: N/A  
Efficacy: 123.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 69.9  
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

TEST NUMBER: P1439134

CATALOG NUMBER: CB3-030U-085D-830-1D-UNV-STD-W-8

### 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°	14602	14602	14602
5°	14533	14543	14627
10°	14469	14448	14448
15°	14247	14247	14161
20°	14016	13873	13751
25°	13663	13491	13251
30°	13328	12981	12670
35°	12977	12496	12052
40°	12509	11914	11399
45°	12085	11395	10692
50°	11648	10777	10003
55°	11174	10180	9347
60°	10661	9562	8608
65°	10061	8859	7828
70°	9369	8036	6974
75°	8494	7051	6210
80°	7405	5913	5493
85°	5712	4998	4998

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12085 cd/sqm



TEST NUMBER: P1439134

CATALOG NUMBER: CB3-030U-085D-830-1D-UNV-STD-W-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	243.5	2.8
10°-20°	684.2	7.9
20°-30°	994.0	11.5
30°-40°	1130.1	13.1
40°-50°	1097.1	12.7
50°-60°	926.3	10.7
60°-70°	659.0	7.6
70°-80°	352.1	4.1
80°-90°	93.0	1.1
90°-100°	19.3	0.2
100°-110°	139.7	1.6
110°-120°	332.0	3.8
120°-130°	424.2	4.9
130°-140°	457.6	5.3
140°-150°	431.3	5.0
150°-160°	351.9	4.1
160°-170°	229.3	2.7
170°-180°	79.3	0.9
0°-30°	1921.7	22.2
0°-40°	3051.9	35.3
0°-60°	5075.2	58.7
0°-90°	6179.4	71.5
90°-120°	491.0	5.7
90°-150°	1804.1	20.9
90°-180°	2464.0	28.5
0°-180°	8643.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2581	2581	2581	2581	2581	
5°	2559	2591	2561	2558	2576	243
15°	2433	2454	2433	2418	2418	685
25°	2189	2196	2161	2132	2123	1008
35°	1879	1861	1809	1756	1745	1171
45°	1510	1487	1424	1356	1336	1165
55°	1133	1102	1032	966	948	1013
65°	752	725	662	603	585	744
75°	389	367	323	290	284	414
85°	88	81	77	77	77	104
90°	0	0	0	1	0	5
95°	35	6	8	9	9	44
105°	177	179	182	13	14	187
115°	332	334	335	340	342	327
125°	471	474	473	478	481	421
135°	592	595	590	595	598	456
145°	689	693	685	689	693	431
155°	763	770	759	761	766	352
165°	814	818	809	807	812	230
175°	837	841	830	826	828	80
180°	835	835	835	835	835	



TEST NUMBER: P1439134

CATALOG NUMBER: CB3-030U-085D-830-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2581.1	2581.1	2581.1	2581.1	2581.1
2.5°	2567.9	2593.7	2570.8	2573.9	2579.6
5°	2559.1	2591.3	2560.9	2557.6	2575.6
7.5°	2539.3	2568.7	2537.1	2529.7	2545.9
10°	2518.7	2551.0	2515.1	2506.1	2515.1
12.5°	2482.1	2515.8	2487.2	2472.3	2479.9
15°	2432.6	2454.1	2432.6	2417.9	2417.9
17.5°	2372.1	2394.7	2354.1	2343.8	2339.8
20°	2328.1	2347.8	2304.3	2289.5	2284.1
22.5°	2269.4	2287.7	2251.5	2226.4	2219.6
25°	2188.8	2195.9	2161.3	2131.7	2122.8
27.5°	2107.7	2109.5	2061.9	2026.1	2014.3
30°	2040.3	2042.1	1987.1	1948.4	1939.5
32.5°	1972.8	1967.4	1915.3	1869.3	1863.2
35°	1879.0	1861.0	1809.3	1755.9	1745.1
37.5°	1765.7	1754.9	1693.8	1640.3	1624.2
40°	1693.8	1675.9	1613.2	1559.6	1543.5
42.5°	1622.0	1601.2	1536.9	1477.5	1459.9
45°	1510.5	1487.2	1424.3	1356.1	1336.4
47.5°	1398.3	1372.9	1303.7	1237.6	1215.7
50°	1323.5	1296.6	1224.5	1159.8	1136.5
52.5°	1247.3	1218.9	1146.8	1080.8	1061.8
55°	1132.9	1102.4	1032.1	965.7	947.7
57.5°	1018.5	988.4	918.4	855.6	834.1
60°	942.2	913.6	845.1	782.3	760.8
62.5°	864.5	837.3	770.3	709.0	688.9
65°	751.6	724.7	661.8	602.7	584.8
67.5°	639.8	616.8	554.7	500.5	486.1
70°	566.4	544.9	485.8	436.0	421.6
72.5°	496.0	473.1	416.9	374.5	364.4
75°	388.6	367.1	322.6	289.5	284.1
77.5°	290.4	272.8	234.3	215.5	212.6
80°	227.3	211.2	181.5	168.6	168.6
82.5°	168.6	155.4	136.0	130.5	130.5
85°	88.0	80.8	77.0	77.0	77.0
87.5°	26.4	26.4	24.9	23.6	23.5
90°	0.0	0.0	0.0	0.6	0.0
92.5°	9.6	3.7	3.0	3.6	3.5
95°	35.2	6.3	8.2	8.8	8.8
97.5°	71.0	69.6	9.6	11.5	11.6
100°	98.2	101.2	10.1	12.0	12.6
102.5°	128.4	131.0	18.6	12.5	13.1
105°	176.8	179.3	181.9	13.2	13.8
107.5°	225.0	226.9	228.6	205.7	77.0
110°	256.8	258.6	259.3	265.6	266.8

TEST NUMBER: P1439134

CATALOG NUMBER: CB3-030U-085D-830-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	286.5	288.8	290.0	295.3	297.5
115°	331.6	334.1	334.8	339.9	341.7
117.5°	374.6	377.1	378.3	382.4	385.4
120°	402.7	405.8	406.5	411.6	414.1
122.5°	430.4	434.0	433.7	438.3	441.8
125°	471.3	474.4	473.2	478.3	481.4
127.5°	510.2	512.1	509.5	515.7	518.3
130°	534.9	536.7	533.6	539.4	542.4
132.5°	557.6	560.4	556.8	562.0	565.1
135°	592.2	595.2	590.3	594.8	598.5
137.5°	623.0	626.7	620.7	626.0	629.2
140°	643.1	646.8	639.4	645.1	648.8
142.5°	661.8	666.4	657.5	662.7	666.9
145°	689.1	693.4	684.7	689.2	692.9
147.5°	715.0	718.7	710.3	713.5	716.1
150°	730.6	734.3	724.9	728.2	731.2
152.5°	743.2	748.4	739.0	741.3	745.8
155°	763.3	769.5	758.9	760.9	765.8
157.5°	781.8	787.4	776.8	778.5	782.8
160°	792.9	798.4	787.9	788.6	792.9
162.5°	801.5	806.5	797.4	796.2	801.5
165°	813.7	818.0	809.3	806.9	812.4
167.5°	823.9	828.8	818.1	816.1	822.4
170°	829.4	834.3	823.1	820.1	826.9
172.5°	832.9	837.4	826.6	822.6	827.9
175°	837.0	841.3	830.0	825.7	828.1
177.5°	838.1	841.5	832.6	828.7	834.6
180°	835.1	835.1	835.1	835.1	835.1



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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	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	23.46	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	21.98	22.34	22.85	23.89	20.37	20.87	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