

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: P1438625

Luminaire Tested: CB2-030U-085D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438625  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-030U-085D-940-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

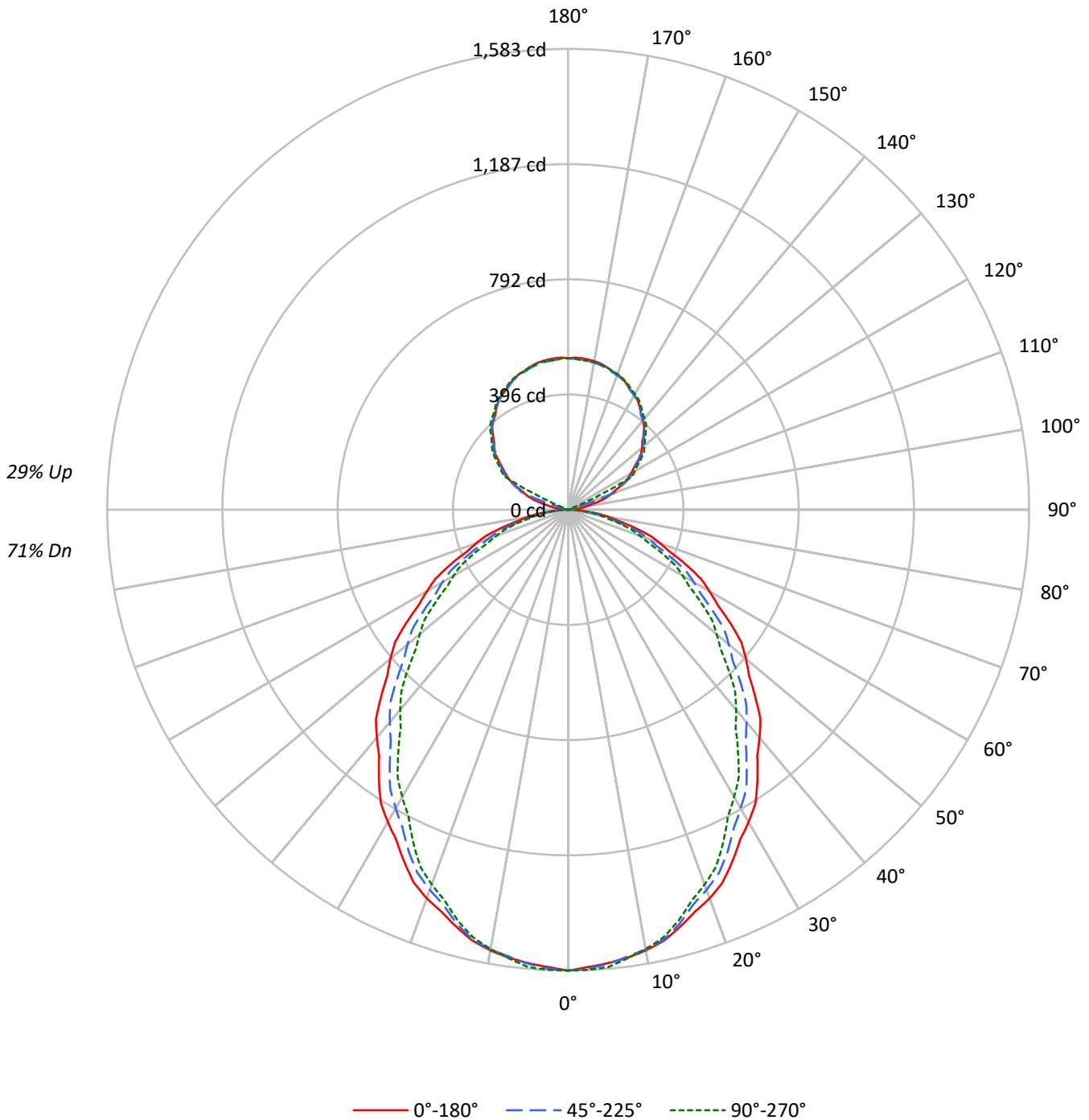
Lumens per Lamp: N/A  
Luminaire Lumens: 5174.1 lumens  
Efficiency: N/A  
Efficacy: 139.5 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 37.1  
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	71	67	66	65	65	65	65	65	65	65	61														
2	94	86	80	75	89	82	76	72	74	70	66	66	63	60	60	57	55	55	55	55	55	55	55	51														
3	86	76	69	63	81	72	66	60	65	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	37	43	38	34	39	35	32	32	32	32	32	32	32	29														
7	62	50	41	36	59	47	40	35	43	37	32	39	34	30	36	32	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	29	51	40	33	28	37	30	26	33	28	25	31	26	23	23	23	23	23	23	23	21														
10	51	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°	27573	27573	27573
5°	27340	27381	27574
10°	27185	27120	27099
15°	26754	26579	26361
20°	26333	25749	25389
25°	25625	24903	24205
30°	24917	23818	22917
35°	24099	22706	21624
40°	23235	21664	20395
45°	22363	20573	19198
50°	21580	19510	18033
55°	20613	18405	16932
60°	19507	17355	15836
65°	18336	16184	14738
70°	17039	14875	13332
75°	15498	13459	12073
80°	13862	11796	10943
85°	10652	9692	7994

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 22363 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.9	2.9
10°-20°	415.0	8.0
20°-30°	596.7	11.5
30°-40°	670.7	13.0
40°-50°	647.9	12.5
50°-60°	547.4	10.6
60°-70°	393.2	7.6
70°-80°	214.9	4.2
80°-90°	57.1	1.1
90°-100°	9.1	0.2
100°-110°	57.7	1.1
110°-120°	183.2	3.5
120°-130°	265.9	5.1
130°-140°	285.9	5.5
140°-150°	269.2	5.2
150°-160°	219.3	4.2
160°-170°	142.8	2.8
170°-180°	49.3	1.0
0°-30°	1160.6	22.4
0°-40°	1831.2	35.4
0°-60°	3026.5	58.5
0°-90°	3691.7	71.3
90°-120°	250.0	4.8
90°-150°	1071.0	20.7
90°-180°	1482.0	28.6
0°-180°	5174.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1583	1583	1583	1583	1583	
5°	1564	1585	1566	1566	1577	148
15°	1484	1497	1474	1460	1462	418
25°	1333	1335	1296	1267	1260	614
35°	1133	1120	1068	1026	1017	708
45°	908	889	835	791	779	701
55°	679	654	606	568	558	607
65°	445	428	393	365	358	441
75°	230	216	200	184	179	246
85°	53	50	48	42	40	63
90°	0	0	0	0	0	3
95°	21	6	6	4	4	26
105°	108	112	11	13	14	114
115°	205	209	211	214	122	201
125°	291	296	296	301	305	260
135°	366	371	370	372	377	282
145°	428	432	429	429	435	268
155°	476	479	474	473	479	219
165°	508	509	504	502	507	143
175°	522	524	517	514	516	50
180°	520	520	520	520	520	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1583.1	1583.1	1583.1	1583.1	1583.1
2.5°	1572.5	1591.4	1577.3	1579.3	1582.1
5°	1563.7	1585.1	1566.1	1566.4	1577.1
7.5°	1552.6	1572.7	1548.9	1544.6	1554.5
10°	1537.1	1557.2	1533.4	1525.1	1532.2
12.5°	1516.7	1535.9	1513.1	1499.9	1506.0
15°	1483.7	1496.8	1474.0	1459.5	1461.9
17.5°	1447.8	1455.9	1423.1	1410.9	1408.6
20°	1420.7	1427.8	1389.2	1372.1	1369.8
22.5°	1385.8	1391.9	1351.3	1330.4	1327.1
25°	1333.4	1334.6	1295.8	1266.6	1259.5
27.5°	1278.6	1274.8	1231.8	1197.2	1187.9
30°	1238.9	1234.1	1184.3	1147.8	1139.5
32.5°	1196.2	1187.7	1137.8	1098.3	1090.0
35°	1133.4	1120.4	1067.9	1026.5	1017.0
37.5°	1066.5	1051.8	1000.3	955.2	944.5
40°	1021.9	1005.3	952.8	907.7	897.0
42.5°	977.3	958.8	905.3	860.1	848.5
45°	907.9	889.0	835.2	791.3	779.4
47.5°	842.0	817.8	765.6	722.0	710.1
50°	796.4	770.3	720.0	677.3	665.5
52.5°	749.9	722.8	674.5	633.7	621.9
55°	678.8	653.9	606.1	568.3	557.6
57.5°	608.5	584.6	540.9	504.8	494.3
60°	560.0	539.9	498.2	464.1	454.6
62.5°	513.5	495.2	455.5	424.3	414.8
65°	444.9	428.3	392.7	364.7	357.6
67.5°	378.2	361.6	332.9	307.7	299.7
70°	334.6	318.0	292.1	268.9	261.8
72.5°	292.9	275.3	254.3	233.1	227.9
75°	230.3	216.1	200.0	184.1	179.4
77.5°	175.0	161.3	149.6	138.4	137.2
80°	138.2	126.3	117.6	110.3	109.1
82.5°	103.3	94.3	88.5	83.2	82.9
85°	53.3	49.8	48.5	42.4	40.0
87.5°	15.5	15.5	13.6	11.7	11.7
90°	0.0	0.0	0.0	0.4	0.4
92.5°	5.7	2.2	1.5	2.2	2.2
95°	20.7	6.0	6.4	4.1	3.8
97.5°	42.9	9.6	9.2	10.2	10.5
100°	59.8	19.7	10.1	11.7	12.0
102.5°	78.4	74.2	10.5	12.6	13.2
105°	108.3	112.3	11.3	13.2	13.9
107.5°	137.6	141.6	52.5	13.6	14.4
110°	157.1	161.2	166.2	13.9	14.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	175.5	180.4	184.2	31.0	15.3
115°	204.9	209.3	211.3	213.7	122.5
117.5°	230.8	236.3	238.5	242.7	246.8
120°	248.9	254.0	255.6	259.9	264.3
122.5°	266.6	271.2	272.2	277.0	281.1
125°	291.0	296.1	296.2	301.2	305.2
127.5°	315.3	319.7	319.5	323.2	327.7
130°	331.6	334.5	334.6	337.7	342.5
132.5°	345.1	349.2	349.3	351.8	356.6
135°	366.1	370.6	369.9	372.3	377.0
137.5°	385.9	390.2	389.0	391.0	395.9
140°	398.9	402.5	400.7	402.7	408.2
142.5°	410.9	414.6	411.9	413.6	419.4
145°	428.5	431.9	428.9	429.4	434.9
147.5°	444.3	447.5	444.0	444.5	449.6
150°	454.5	457.4	453.0	453.5	458.6
152.5°	463.5	466.2	461.4	461.3	467.3
155°	475.9	478.9	473.7	472.7	479.3
157.5°	487.2	489.9	484.7	484.0	489.1
160°	494.7	496.5	491.3	490.3	495.5
162.5°	499.8	502.0	496.7	495.1	500.3
165°	507.5	509.0	503.7	501.6	506.7
167.5°	514.1	515.8	509.1	507.2	512.7
170°	518.0	519.1	512.4	509.9	515.4
172.5°	520.4	521.2	514.5	511.6	515.4
175°	522.5	523.6	516.9	513.6	516.1
177.5°	522.9	523.5	518.4	515.5	519.9
180°	519.9	519.9	519.9	519.9	519.9



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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	20.30	21.38	21.06	22.15	23.08	19.21	20.28	19.96	21.05	21.98
	3H	21.97	22.93	22.73	23.71	24.67	20.75	21.71	21.51	22.49	23.46
	4H	22.60	23.51	23.39	24.30	25.28	21.33	22.24	22.11	23.03	24.00
	6H	23.02	23.86	23.81	24.65	25.64	21.71	22.55	22.51	23.35	24.34
	8H	23.17	23.97	23.98	24.79	25.78	21.86	22.66	22.67	23.48	24.46
	12H	23.25	24.01	24.06	24.83	25.84	21.93	22.69	22.74	23.50	24.52
4H	2H	20.74	21.65	21.53	22.44	23.41	19.86	20.77	20.65	21.56	22.54
	3H	22.63	23.39	23.43	24.21	25.20	21.62	22.38	22.42	23.20	24.19
	4H	23.38	24.07	24.19	24.90	25.91	22.30	22.99	23.11	23.81	24.83
	6H	23.91	24.51	24.74	25.36	26.38	22.79	23.38	23.62	24.23	25.26
	8H	24.12	24.68	24.96	25.52	26.56	22.98	23.54	23.82	24.38	25.42
	12H	24.24	24.74	25.09	25.60	26.65	23.08	23.58	23.93	24.45	25.49
8H	4H	23.55	24.11	24.39	24.96	25.99	22.59	23.15	23.42	23.99	25.03
	6H	24.20	24.67	25.07	25.55	26.59	23.20	23.66	24.07	24.55	25.59
	8H	24.50	24.91	25.37	25.79	26.84	23.48	23.89	24.35	24.77	25.82
	12H	24.68	25.04	25.56	25.91	27.02	23.64	24.00	24.52	24.87	25.98
12H	4H	23.54	24.05	24.40	24.91	25.95	22.60	23.10	23.46	23.97	25.01
	6H	24.23	24.64	25.11	25.53	26.58	23.27	23.68	24.14	24.56	25.61
	8H	24.56	24.92	25.44	25.80	26.90	23.58	23.94	24.46	24.82	25.92