

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: P1439229

Luminaire Tested: CB3-085U-030D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439229  
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: CB3-085U-030D-940-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

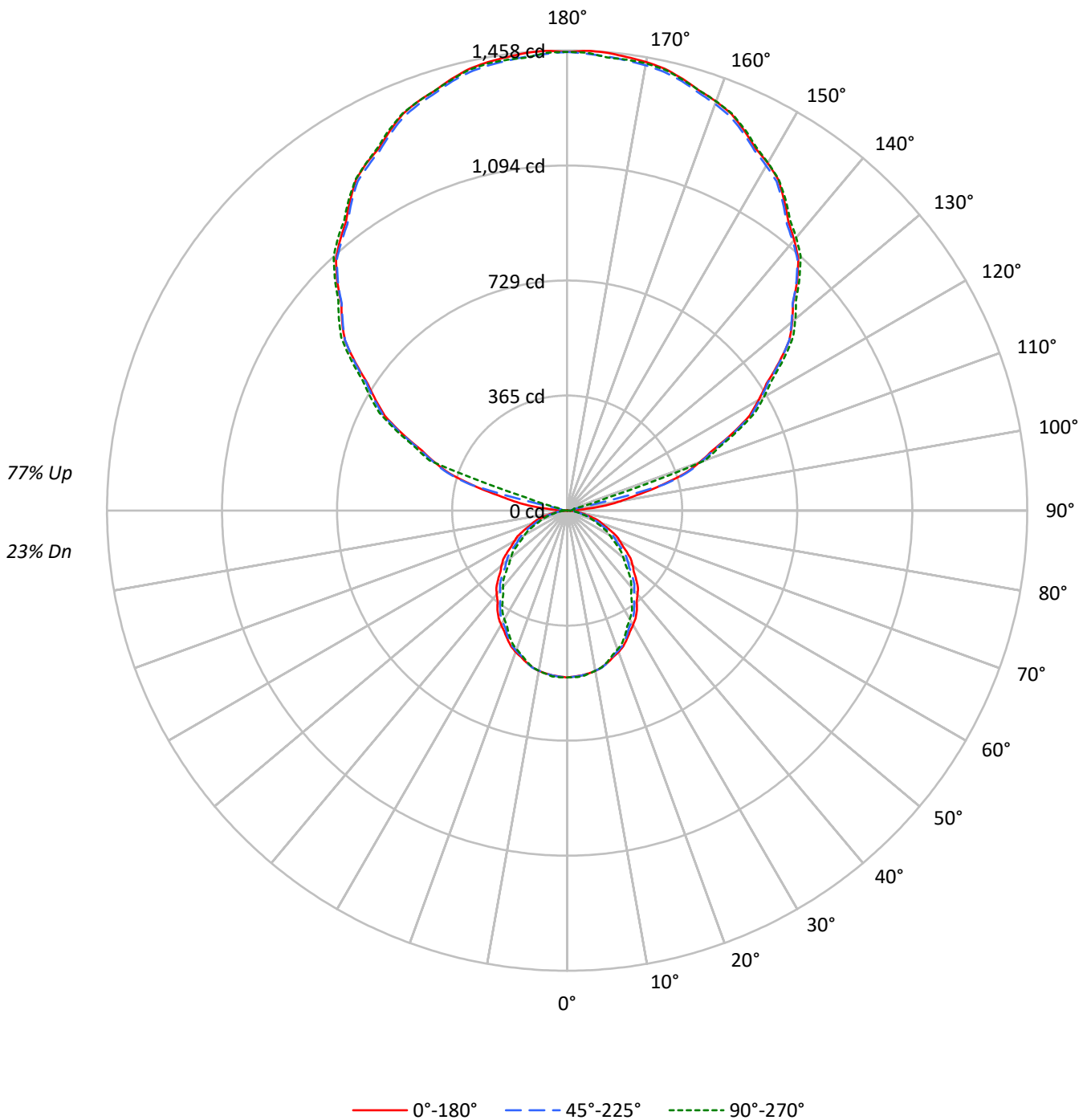
Lumens per Lamp: N/A  
Luminaire Lumens: 5554.5 lumens  
Efficiency: N/A  
Efficacy: 171.4 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 32.4  
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

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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	0
RCR																		
0	101	101	101	101	89	89	89	89	68	68	68	49	49	49	31	31	31	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	26	19
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	24	23	22	16
3	76	67	60	55	67	60	54	49	46	42	39	33	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	41	36	37	32	28	27	24	21	17	16	14	10
6	59	47	40	34	52	42	36	31	33	28	25	24	21	19	16	14	13	9
7	54	42	35	30	48	38	32	27	30	25	22	22	19	16	14	13	11	8
8	50	38	31	26	44	34	28	24	27	22	19	20	17	15	13	11	10	7
9	47	35	28	23	41	31	25	21	25	20	17	18	15	13	12	10	9	7
10	43	32	25	20	38	29	23	19	23	18	15	17	14	12	11	9	8	6

**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	0.9
10°-20°	140.2	2.5
20°-30°	203.6	3.7
30°-40°	231.5	4.2
40°-50°	224.8	4.0
50°-60°	189.8	3.4
60°-70°	135.0	2.4
70°-80°	72.1	1.3
80°-90°	19.1	0.3
90°-100°	33.5	0.6
100°-110°	243.0	4.4
110°-120°	577.8	10.4
120°-130°	738.2	13.3
130°-140°	796.2	14.3
140°-150°	750.6	13.5
150°-160°	612.3	11.0
160°-170°	399.0	7.2
170°-180°	137.9	2.5
0°-30°	393.7	7.1
0°-40°	625.2	11.3
0°-60°	1039.7	18.7
0°-90°	1266.0	22.8
90°-120°	854.3	15.4
90°-150°	3139.3	56.5
90°-180°	4289.0	77.2
0°-180°	5554.5	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	3
95°	61	11	14	15	15	76
105°	308	312	316	23	24	325
115°	577	581	583	591	595	569
125°	820	826	824	832	838	732
135°	1030	1036	1027	1035	1041	794
145°	1199	1207	1191	1199	1206	750
155°	1328	1339	1321	1324	1333	613
165°	1416	1423	1408	1404	1414	400
175°	1456	1464	1444	1437	1441	139
180°	1453	1453	1453	1453	1453	

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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	5.0	4.8
90°	0.0	0.0	0.0	1.1	0.0
92.5°	16.6	6.4	5.3	6.3	6.1
95°	61.3	11.0	14.2	15.3	15.3
97.5°	123.5	121.2	16.6	19.9	20.1
100°	170.8	176.2	17.5	20.8	21.9
102.5°	223.4	227.9	32.4	21.7	22.8
105°	307.7	312.0	316.5	23.0	24.1
107.5°	391.6	394.8	397.7	358.0	134.0
110°	446.8	450.0	451.2	462.2	464.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	498.5	502.5	504.6	513.9	517.7
115°	577.1	581.4	582.6	591.4	594.6
117.5°	651.8	656.3	658.3	665.5	670.6
120°	700.8	706.2	707.4	716.3	720.5
122.5°	749.0	755.2	754.7	762.7	768.7
125°	820.2	825.6	823.5	832.4	837.7
127.5°	887.9	891.1	886.6	897.4	901.9
130°	930.8	934.0	928.6	938.6	943.9
132.5°	970.2	975.1	968.9	978.0	983.4
135°	1030.5	1035.8	1027.2	1035.0	1041.4
137.5°	1084.1	1090.5	1080.2	1089.3	1094.8
140°	1119.2	1125.6	1112.6	1122.6	1129.0
142.5°	1151.6	1159.7	1144.1	1153.3	1160.5
145°	1199.1	1206.6	1191.4	1199.2	1205.7
147.5°	1244.2	1250.6	1236.1	1241.7	1246.2
150°	1271.4	1277.8	1261.5	1267.1	1272.5
152.5°	1293.3	1302.3	1286.0	1289.9	1297.9
155°	1328.3	1339.0	1320.6	1324.1	1332.7
157.5°	1360.5	1370.1	1351.7	1354.8	1362.3
160°	1379.8	1389.4	1371.0	1372.3	1379.8
162.5°	1394.7	1403.4	1387.7	1385.5	1394.7
165°	1415.9	1423.4	1408.2	1404.1	1413.7
167.5°	1433.7	1442.2	1423.6	1420.1	1431.0
170°	1443.3	1451.9	1432.3	1427.1	1438.9
172.5°	1449.4	1457.1	1438.5	1431.5	1440.7
175°	1456.4	1463.9	1444.4	1436.8	1441.1
177.5°	1458.4	1464.4	1448.8	1442.0	1452.3
180°	1453.1	1453.1	1453.1	1453.1	1453.1



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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	10.05	10.70	11.21	11.85	13.46	8.97	9.62	10.13	10.77	12.39
	3H	11.70	12.28	12.87	13.44	15.07	10.37	10.95	11.53	12.11	13.74
	4H	12.32	12.88	13.49	14.03	15.66	10.87	11.43	12.05	12.59	14.22
	6H	12.69	13.21	13.88	14.36	16.01	11.18	11.69	12.37	12.85	14.49
	8H	12.82	13.31	14.01	14.48	16.12	11.30	11.78	12.48	12.96	14.59
	12H	12.88	13.35	14.07	14.51	16.17	11.37	11.83	12.56	12.99	14.65
4H	2H	10.43	10.99	11.61	12.14	13.77	9.57	10.13	10.76	11.28	12.92
	3H	12.30	12.76	13.49	13.94	15.59	11.17	11.63	12.36	12.81	14.46
	4H	13.04	13.47	14.23	14.64	16.30	11.77	12.20	12.96	13.36	15.03
	6H	13.53	13.90	14.73	15.09	16.74	12.17	12.53	13.36	13.73	15.38
	8H	13.72	14.06	14.91	15.24	16.91	12.33	12.68	13.53	13.86	15.53
	12H	13.80	14.11	15.01	15.31	16.98	12.43	12.74	13.64	13.93	15.61
8H	4H	13.15	13.49	14.35	14.68	16.34	12.01	12.35	13.21	13.54	15.21
	6H	13.76	14.05	14.98	15.27	16.93	12.53	12.81	13.75	14.04	15.70
	8H	14.04	14.28	15.25	15.48	17.17	12.78	13.03	14.00	14.23	15.92
	12H	14.19	14.41	15.41	15.61	17.32	12.95	13.17	14.17	14.36	16.08
12H	4H	13.12	13.43	14.32	14.62	16.29	12.01	12.32	13.21	13.51	15.18
	6H	13.78	14.02	15.00	15.22	16.91	12.59	12.83	13.81	14.03	15.72
	8H	14.07	14.28	15.29	15.48	17.20	12.86	13.08	14.08	14.27	15.99