

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: P1439251

Luminaire Tested: CB3-085U-085D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439251  
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-085D-927-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

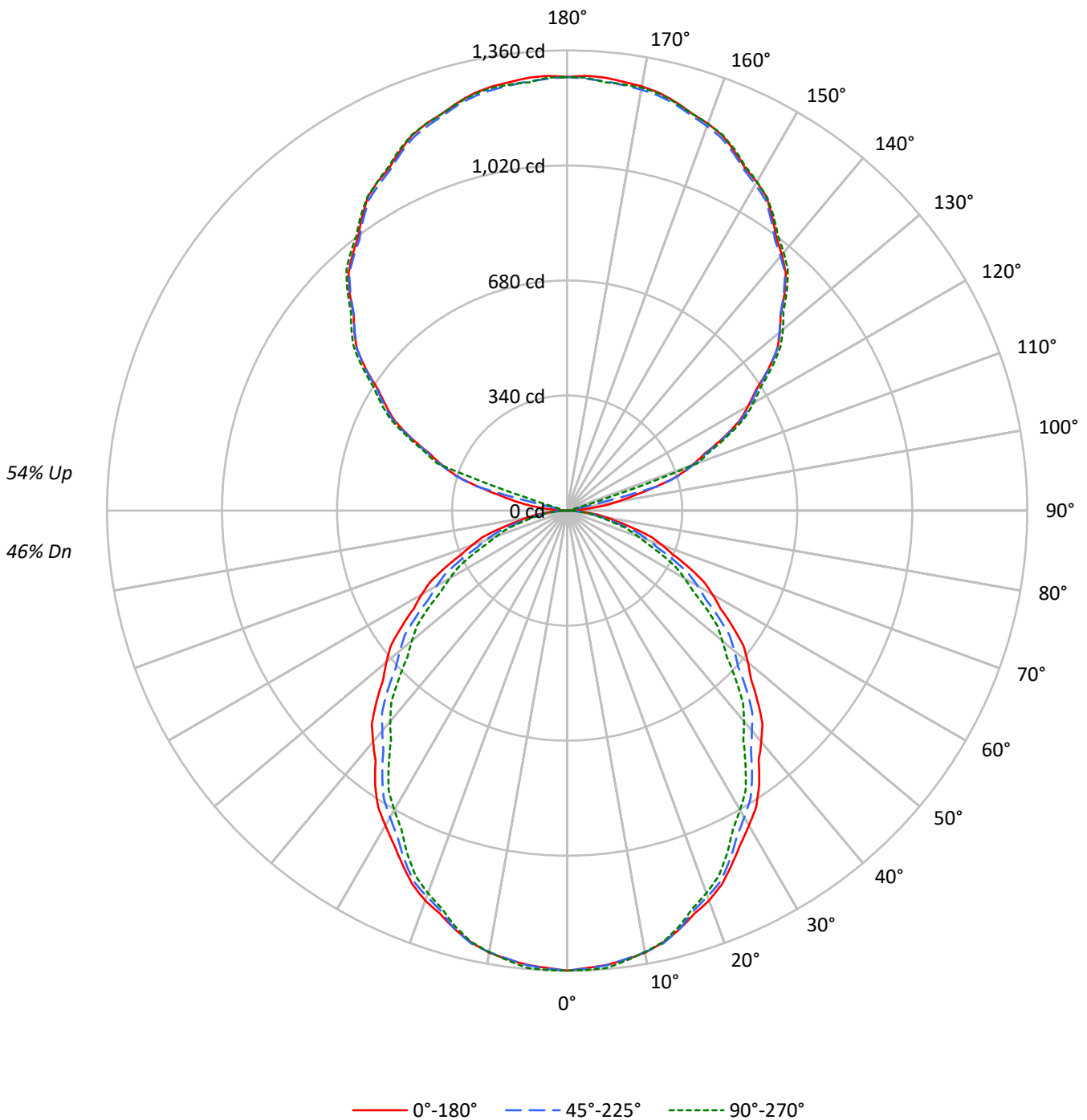
Lumens per Lamp: N/A  
Luminaire Lumens: 7036.9 lumens  
Efficiency: N/A  
Efficacy: 142.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 49.5  
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	106	106	106	106	98	98	98	98	81	81	81	66	66	66	53	53	53	46																				
1	97	93	89	86	89	85	82	79	71	69	67	59	57	56	47	46	45	39																				
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	41	40	38	33																				
3	81	72	64	59	74	66	60	55	56	51	47	46	42	40	37	35	33	28																				
4	74	63	56	50	68	59	52	46	49	44	40	41	37	34	33	30	28	24																				
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	25	21																				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19																				
7	58	46	38	32	53	43	36	31	36	31	27	30	26	23	25	22	19	17																				
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15																				
9	50	38	31	26	46	35	29	24	30	25	21	26	21	19	21	18	16	14																				
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	20	17	14	12																				

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

	0°	45°	90°
0°	15383	15383	15383
5°	15310	15322	15409
10°	15244	15222	15222
15°	15010	15010	14920
20°	14767	14615	14487
25°	14394	14213	13960
30°	14042	13676	13347
35°	13672	13165	12698
40°	13179	12552	12010
45°	12732	12006	11265
50°	12272	11354	10539
55°	11773	10725	9847
60°	11231	10074	9067
65°	10599	9333	8246
70°	9872	8466	7347
75°	8949	7432	6544
80°	7799	6229	5786
85°	6024	5271	5271

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12732 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.3	1.8
10°-20°	360.4	5.1
20°-30°	523.6	7.4
30°-40°	595.3	8.5
40°-50°	577.9	8.2
50°-60°	487.9	6.9
60°-70°	347.1	4.9
70°-80°	185.5	2.6
80°-90°	49.1	0.7
90°-100°	29.6	0.4
100°-110°	214.3	3.0
110°-120°	509.5	7.2
120°-130°	650.9	9.3
130°-140°	702.1	10.0
140°-150°	661.9	9.4
150°-160°	540.0	7.7
160°-170°	351.8	5.0
170°-180°	121.6	1.7
0°-30°	1012.3	14.4
0°-40°	1607.6	22.8
0°-60°	2673.5	38.0
0°-90°	3255.2	46.3
90°-120°	753.4	10.7
90°-150°	2768.3	39.3
90°-180°	3782.0	53.7
0°-180°	7036.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1360	1360	1360	1360	1360	
5°	1348	1365	1349	1347	1357	128
15°	1281	1293	1281	1274	1274	361
25°	1153	1157	1138	1123	1118	531
35°	990	980	953	925	919	617
45°	796	783	750	714	704	614
55°	597	581	544	509	499	534
65°	396	382	349	318	308	392
75°	205	193	170	152	150	218
85°	46	43	41	41	41	55
90°	0	0	0	1	0	4
95°	54	10	13	14	14	67
105°	271	275	279	20	21	286
115°	509	513	514	522	524	502
125°	723	728	726	734	739	645
135°	909	913	906	913	918	700
145°	1057	1064	1051	1058	1063	662
155°	1171	1181	1165	1168	1175	540
165°	1249	1255	1242	1238	1247	353
175°	1284	1291	1274	1267	1271	122
180°	1281	1281	1281	1281	1281	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1359.6	1359.6	1359.6	1359.6	1359.6
2.5°	1352.7	1366.3	1354.2	1355.8	1358.8
5°	1348.0	1365.0	1349.0	1347.3	1356.7
7.5°	1337.6	1353.1	1336.4	1332.6	1341.1
10°	1326.8	1343.8	1324.9	1320.1	1324.9
12.5°	1307.5	1325.2	1310.2	1302.4	1306.3
15°	1281.4	1292.7	1281.4	1273.7	1273.7
17.5°	1249.5	1261.4	1240.1	1234.6	1232.5
20°	1226.4	1236.7	1213.8	1206.0	1203.2
22.5°	1195.5	1205.1	1186.0	1172.8	1169.2
25°	1153.0	1156.8	1138.5	1122.9	1118.2
27.5°	1110.3	1111.2	1086.2	1067.3	1061.0
30°	1074.8	1075.7	1046.8	1026.4	1021.6
32.5°	1039.2	1036.4	1008.9	984.7	981.5
35°	989.8	980.3	953.1	925.0	919.3
37.5°	930.1	924.4	892.3	864.1	855.6
40°	892.3	882.8	849.8	821.6	813.1
42.5°	854.4	843.4	809.6	778.3	769.0
45°	795.7	783.4	750.3	714.3	704.0
47.5°	736.6	723.2	686.8	651.9	640.4
50°	697.2	683.0	645.0	611.0	598.7
52.5°	657.0	642.1	604.1	569.3	559.3
55°	596.8	580.7	543.7	508.7	499.2
57.5°	536.5	520.6	483.8	450.7	439.4
60°	496.3	481.2	445.2	412.1	400.7
62.5°	455.4	441.0	405.8	373.5	362.9
65°	395.9	381.7	348.6	317.5	308.0
67.5°	337.0	324.9	292.2	263.6	256.1
70°	298.4	287.1	255.9	229.7	222.1
72.5°	261.3	249.2	219.6	197.3	192.0
75°	204.7	193.4	170.0	152.5	149.7
77.5°	153.0	143.7	123.4	113.5	112.0
80°	119.7	111.2	95.6	88.8	88.8
82.5°	88.8	81.9	71.7	68.8	68.8
85°	46.4	42.6	40.6	40.6	40.6
87.5°	13.9	13.9	13.1	12.5	12.4
90°	0.0	0.0	0.0	0.9	0.0
92.5°	14.7	5.6	4.6	5.6	5.4
95°	54.1	9.7	12.6	13.5	13.5
97.5°	108.9	106.8	14.7	17.6	17.8
100°	150.6	155.4	15.5	18.4	19.3
102.5°	197.0	201.0	28.6	19.1	20.1
105°	271.3	275.1	279.1	20.3	21.2
107.5°	345.3	348.1	350.7	315.7	118.2
110°	394.0	396.8	397.8	407.5	409.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	439.6	443.1	445.0	453.2	456.6
115°	508.9	512.7	513.7	521.5	524.3
117.5°	574.7	578.7	580.5	586.8	591.4
120°	618.0	622.7	623.8	631.6	635.4
122.5°	660.5	666.0	665.5	672.6	677.9
125°	723.3	728.0	726.2	734.0	738.7
127.5°	782.9	785.8	781.8	791.3	795.3
130°	820.8	823.6	818.9	827.7	832.4
132.5°	855.6	859.9	854.4	862.4	867.1
135°	908.7	913.4	905.8	912.7	918.3
137.5°	956.0	961.6	952.5	960.5	965.4
140°	986.9	992.5	981.1	989.9	995.6
142.5°	1015.5	1022.6	1008.9	1017.0	1023.4
145°	1057.4	1064.0	1050.6	1057.5	1063.2
147.5°	1097.2	1102.8	1090.0	1094.9	1098.9
150°	1121.1	1126.8	1112.4	1117.4	1122.1
152.5°	1140.4	1148.4	1134.0	1137.5	1144.5
155°	1171.3	1180.8	1164.6	1167.6	1175.2
157.5°	1199.7	1208.2	1192.0	1194.6	1201.3
160°	1216.7	1225.2	1209.0	1210.1	1216.7
162.5°	1229.8	1237.6	1223.7	1221.7	1229.8
165°	1248.6	1255.2	1241.8	1238.1	1246.6
167.5°	1264.2	1271.8	1255.3	1252.3	1261.9
170°	1272.7	1280.3	1263.1	1258.5	1268.9
172.5°	1278.1	1284.9	1268.5	1262.3	1270.4
175°	1284.3	1290.9	1273.7	1267.0	1270.8
177.5°	1286.0	1291.3	1277.5	1271.6	1280.6
180°	1281.4	1281.4	1281.4	1281.4	1281.4

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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	16.29	17.11	17.28	18.11	19.43	15.21	16.03	16.20	17.03	18.35
	3H	17.95	18.68	18.95	19.69	21.04	16.62	17.35	17.62	18.36	19.71
	4H	18.58	19.27	19.59	20.29	21.64	17.14	17.83	18.15	18.84	20.20
	6H	18.96	19.60	19.99	20.62	21.99	17.45	18.09	18.48	19.11	20.47
	8H	19.10	19.71	20.13	20.74	22.10	17.57	18.18	18.60	19.22	20.58
	12H	19.16	19.74	20.20	20.77	22.16	17.65	18.23	18.68	19.25	20.64
4H	2H	16.69	17.38	17.71	18.40	19.75	15.83	16.53	16.85	17.54	18.89
	3H	18.58	19.16	19.61	20.20	21.56	17.45	18.03	18.48	19.07	20.43
	4H	19.32	19.85	20.36	20.89	22.28	18.05	18.58	19.09	19.62	21.01
	6H	19.82	20.28	20.87	21.34	22.72	18.46	18.92	19.51	19.97	21.36
	8H	20.01	20.44	21.06	21.49	22.89	18.63	19.06	19.68	20.11	21.51
	12H	20.11	20.49	21.17	21.56	22.96	18.74	19.12	19.80	20.18	21.59
8H	4H	19.45	19.87	20.50	20.92	22.32	18.31	18.74	19.36	19.79	21.19
	6H	20.07	20.42	21.14	21.51	22.91	18.84	19.19	19.91	20.28	21.68
	8H	20.34	20.65	21.42	21.73	23.14	19.09	19.40	20.17	20.47	21.89
	12H	20.50	20.78	21.59	21.85	23.31	19.26	19.54	20.35	20.61	22.06
12H	4H	19.42	19.80	20.49	20.87	22.27	18.31	18.69	19.38	19.76	21.17
	6H	20.08	20.39	21.16	21.47	22.88	18.89	19.20	19.97	20.28	21.70
	8H	20.38	20.65	21.46	21.72	23.18	19.17	19.45	20.26	20.52	21.98