

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: P1439239

Luminaire Tested: CB3-085U-055D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439239  
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-055D-930-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

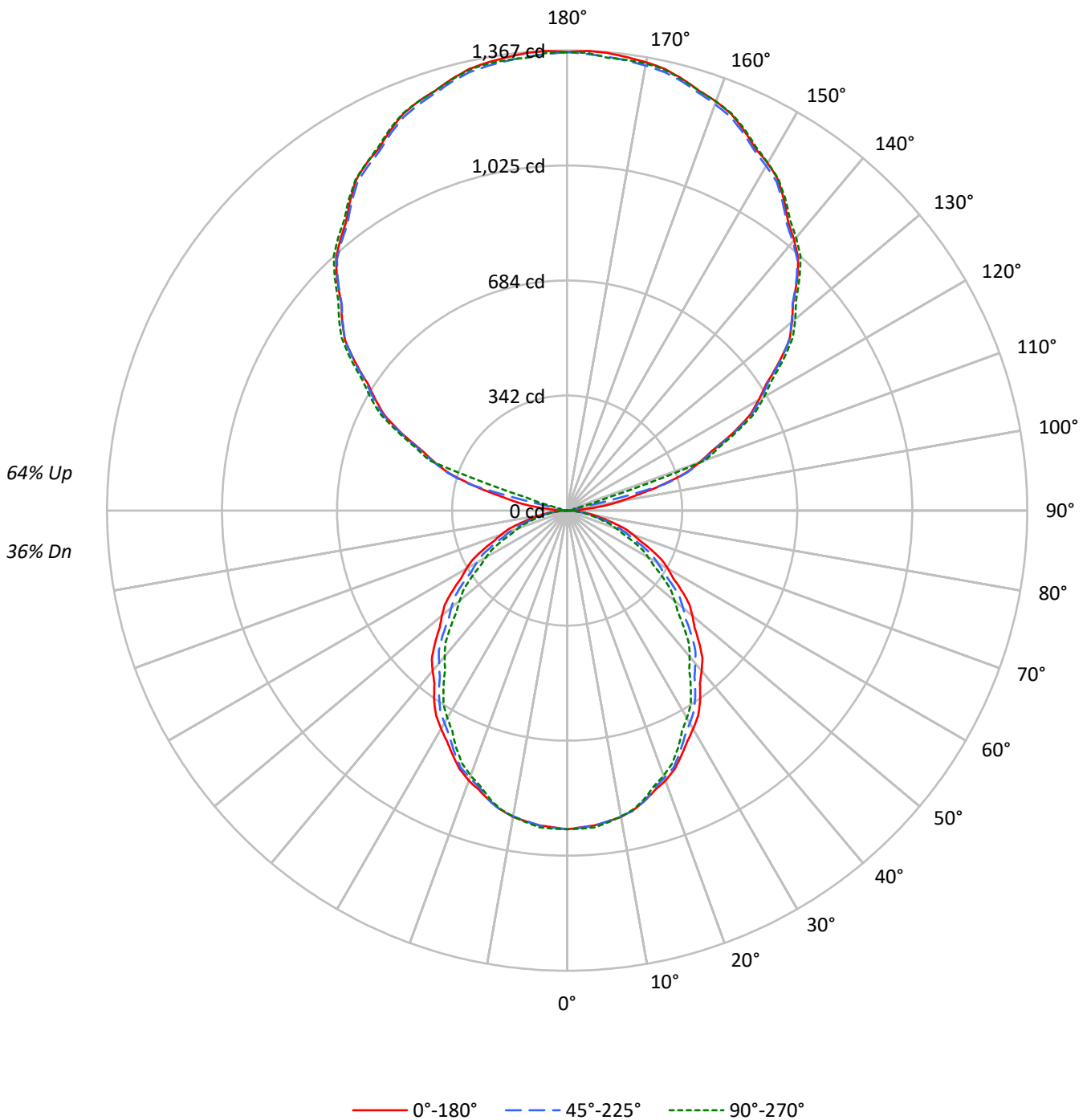
Lumens per Lamp: N/A  
Luminaire Lumens: 6285.6 lumens  
Efficiency: N/A  
Efficacy: 155.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 40.4  
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										
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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	43	43	43	36																				
1	95	91	87	83	86	82	79	76	66	64	62	52	50	49	38	38	37	31																				
2	86	79	73	68	78	72	67	63	58	55	52	46	43	41	34	33	31	26																				
3	79	70	63	57	71	63	57	52	51	47	44	40	37	35	30	28	27	22																				
4	72	62	54	48	65	56	50	44	46	41	37	36	33	30	27	25	23	19																				
5	66	55	47	41	60	50	43	38	41	36	32	32	29	26	24	22	20	17																				
6	61	49	41	36	55	45	38	33	37	32	28	29	26	23	22	20	18	15																				
7	56	44	37	31	51	41	34	29	33	28	25	27	23	20	20	18	16	13																				
8	52	40	33	28	47	37	30	26	30	25	22	24	21	18	19	16	14	12																				
9	49	37	29	24	44	34	27	23	28	23	19	22	19	16	17	15	13	11																				
10	45	34	27	22	41	31	25	20	26	21	17	21	17	15	16	13	12	10																				

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

	0°	45°	90°
0°	10712	10712	10712
5°	10660	10668	10730
10°	10614	10599	10599
15°	10451	10451	10388
20°	10282	10176	10088
25°	10022	9896	9720
30°	9776	9522	9293
35°	9520	9166	8841
40°	9177	8739	8361
45°	8865	8359	7842
50°	8544	7905	7338
55°	8196	7466	6857
60°	7821	7015	6314
65°	7381	6498	5743
70°	6874	5895	5114
75°	6230	5172	4555
80°	5434	4340	4033
85°	4193	3661	3661

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8865 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.3	1.4
10°-20°	250.9	4.0
20°-30°	364.6	5.8
30°-40°	414.5	6.6
40°-50°	402.4	6.4
50°-60°	339.7	5.4
60°-70°	241.7	3.8
70°-80°	129.1	2.1
80°-90°	34.2	0.5
90°-100°	31.4	0.5
100°-110°	227.7	3.6
110°-120°	541.5	8.6
120°-130°	691.8	11.0
130°-140°	746.2	11.9
140°-150°	703.5	11.2
150°-160°	573.8	9.1
160°-170°	373.9	5.9
170°-180°	129.3	2.1
0°-30°	704.8	11.2
0°-40°	1119.3	17.8
0°-60°	1861.5	29.6
0°-90°	2266.5	36.1
90°-120°	800.7	12.7
90°-150°	2942.1	46.8
90°-180°	4019.0	63.9
0°-180°	6285.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	947	947	947	947	947	
5°	939	950	939	938	945	89
15°	892	900	892	887	887	251
25°	803	805	793	782	779	370
35°	689	683	664	644	640	429
45°	554	546	522	497	490	427
55°	416	404	378	354	348	371
65°	276	266	243	221	214	273
75°	142	135	118	106	104	152
85°	32	30	28	28	28	38
90°	0	0	0	1	0	3
95°	58	10	13	14	14	71
105°	288	292	297	22	23	304
115°	541	545	546	554	557	534
125°	769	774	772	780	785	686
135°	966	971	963	970	976	744
145°	1124	1131	1117	1124	1130	703
155°	1245	1255	1238	1241	1249	574
165°	1327	1334	1320	1316	1325	375
175°	1365	1372	1354	1346	1351	130
180°	1362	1362	1362	1362	1362	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	946.7	946.7	946.7	946.7	946.7
2.5°	941.8	951.3	942.9	944.0	946.1
5°	938.6	950.4	939.3	938.1	944.7
7.5°	931.3	942.1	930.5	927.8	933.8
10°	923.8	935.6	922.5	919.2	922.5
12.5°	910.4	922.7	912.2	906.8	909.6
15°	892.2	900.1	892.2	886.8	886.8
17.5°	870.0	878.3	863.4	859.6	858.2
20°	853.9	861.1	845.1	839.7	837.8
22.5°	832.4	839.1	825.8	816.6	814.1
25°	802.8	805.4	792.7	781.9	778.6
27.5°	773.1	773.7	756.3	743.1	738.8
30°	748.3	749.0	728.8	714.6	711.3
32.5°	723.6	721.6	702.5	685.6	683.4
35°	689.2	682.6	663.6	644.0	640.1
37.5°	647.6	643.7	621.3	601.6	595.7
40°	621.3	614.7	591.7	572.0	566.1
42.5°	594.9	587.3	563.7	541.9	535.5
45°	554.0	545.5	522.4	497.4	490.1
47.5°	512.9	503.5	478.2	453.9	445.9
50°	485.4	475.6	449.1	425.4	416.9
52.5°	457.5	447.1	420.6	396.4	389.4
55°	415.5	404.3	378.5	354.2	347.6
57.5°	373.6	362.5	336.8	313.8	305.9
60°	345.6	335.1	310.0	286.9	279.0
62.5°	317.1	307.1	282.5	260.0	252.7
65°	275.7	265.8	242.7	221.1	214.5
67.5°	234.7	226.2	203.5	183.6	178.3
70°	207.8	199.9	178.2	159.9	154.6
72.5°	181.9	173.5	152.9	137.3	133.7
75°	142.5	134.6	118.3	106.2	104.2
77.5°	106.5	100.1	85.9	79.0	78.0
80°	83.4	77.5	66.6	61.9	61.9
82.5°	61.9	57.0	49.9	47.9	47.9
85°	32.3	29.6	28.2	28.2	28.2
87.5°	9.7	9.7	9.1	8.8	8.6
90°	0.0	0.0	0.0	1.0	0.0
92.5°	15.6	6.0	4.9	5.9	5.7
95°	57.5	10.3	13.3	14.4	14.4
97.5°	115.8	113.6	15.6	18.7	18.9
100°	160.1	165.1	16.4	19.5	20.5
102.5°	209.4	213.6	30.4	20.3	21.3
105°	288.4	292.4	296.6	21.6	22.6
107.5°	367.0	370.0	372.7	335.5	125.6
110°	418.7	421.7	422.8	433.1	435.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	467.2	471.0	472.9	481.6	485.2
115°	540.8	544.9	546.0	554.3	557.3
117.5°	610.8	615.0	617.0	623.7	628.5
120°	656.8	661.8	663.0	671.3	675.3
122.5°	702.0	707.8	707.3	714.8	720.4
125°	768.7	773.7	771.7	780.1	785.1
127.5°	832.1	835.1	830.9	841.0	845.2
130°	872.3	875.3	870.3	879.6	884.6
132.5°	909.3	913.9	908.0	916.6	921.6
135°	965.7	970.7	962.6	970.0	976.0
137.5°	1016.0	1022.0	1012.3	1020.8	1026.1
140°	1048.8	1054.9	1042.7	1052.1	1058.1
142.5°	1079.2	1086.8	1072.2	1080.8	1087.6
145°	1123.8	1130.8	1116.6	1123.9	1129.9
147.5°	1166.0	1172.1	1158.4	1163.7	1167.9
150°	1191.5	1197.5	1182.3	1187.5	1192.5
152.5°	1212.0	1220.4	1205.2	1208.9	1216.3
155°	1244.9	1254.9	1237.7	1240.9	1249.0
157.5°	1275.0	1284.1	1266.8	1269.6	1276.7
160°	1293.1	1302.1	1284.9	1286.1	1293.1
162.5°	1307.0	1315.3	1300.5	1298.4	1307.0
165°	1327.0	1334.0	1319.8	1315.9	1324.9
167.5°	1343.6	1351.6	1334.1	1330.9	1341.1
170°	1352.6	1360.6	1342.4	1337.5	1348.5
172.5°	1358.4	1365.6	1348.1	1341.5	1350.2
175°	1364.9	1372.0	1353.6	1346.5	1350.6
177.5°	1366.8	1372.4	1357.7	1351.4	1361.0
180°	1361.9	1361.9	1361.9	1361.9	1361.9



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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	13.94	14.68	15.01	15.75	17.21	12.86	13.60	13.93	14.67	16.13
	3H	15.60	16.26	16.67	17.34	18.81	14.26	14.93	15.34	16.01	17.48
	4H	16.22	16.85	17.31	17.93	19.41	14.78	15.40	15.87	16.49	17.97
	6H	16.60	17.18	17.70	18.26	19.76	15.09	15.67	16.19	16.75	18.24
	8H	16.73	17.28	17.84	18.38	19.87	15.21	15.76	16.31	16.86	18.35
	12H	16.80	17.32	17.90	18.41	19.92	15.28	15.80	16.39	16.89	18.41
4H	2H	14.33	14.96	15.43	16.04	17.52	13.47	14.10	14.57	15.18	16.66
	3H	16.21	16.73	17.31	17.84	19.34	15.08	15.60	16.18	16.71	18.21
	4H	16.95	17.43	18.06	18.53	20.05	15.68	16.16	16.79	17.26	18.78
	6H	17.45	17.86	18.57	18.98	20.49	16.09	16.50	17.20	17.62	19.13
	8H	17.64	18.02	18.75	19.14	20.66	16.26	16.64	17.37	17.75	19.28
	12H	17.73	18.08	18.86	19.20	20.73	16.35	16.70	17.49	17.83	19.36
8H	4H	17.07	17.46	18.19	18.57	20.10	15.93	16.32	17.05	17.43	18.96
	6H	17.69	18.01	18.83	19.16	20.68	16.46	16.78	17.60	17.93	19.45
	8H	17.96	18.24	19.11	19.38	20.92	16.71	16.99	17.85	18.12	19.66
	12H	18.12	18.37	19.27	19.50	21.07	16.88	17.12	18.03	18.26	19.83
12H	4H	17.04	17.39	18.17	18.51	20.04	15.93	16.28	17.06	17.40	18.93
	6H	17.70	17.98	18.85	19.12	20.66	16.51	16.79	17.66	17.93	19.47
	8H	18.00	18.24	19.15	19.37	20.95	16.79	17.04	17.94	18.17	19.74