

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: P1439241

Luminaire Tested: CB3-085U-055D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439241  
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-935-1D-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: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

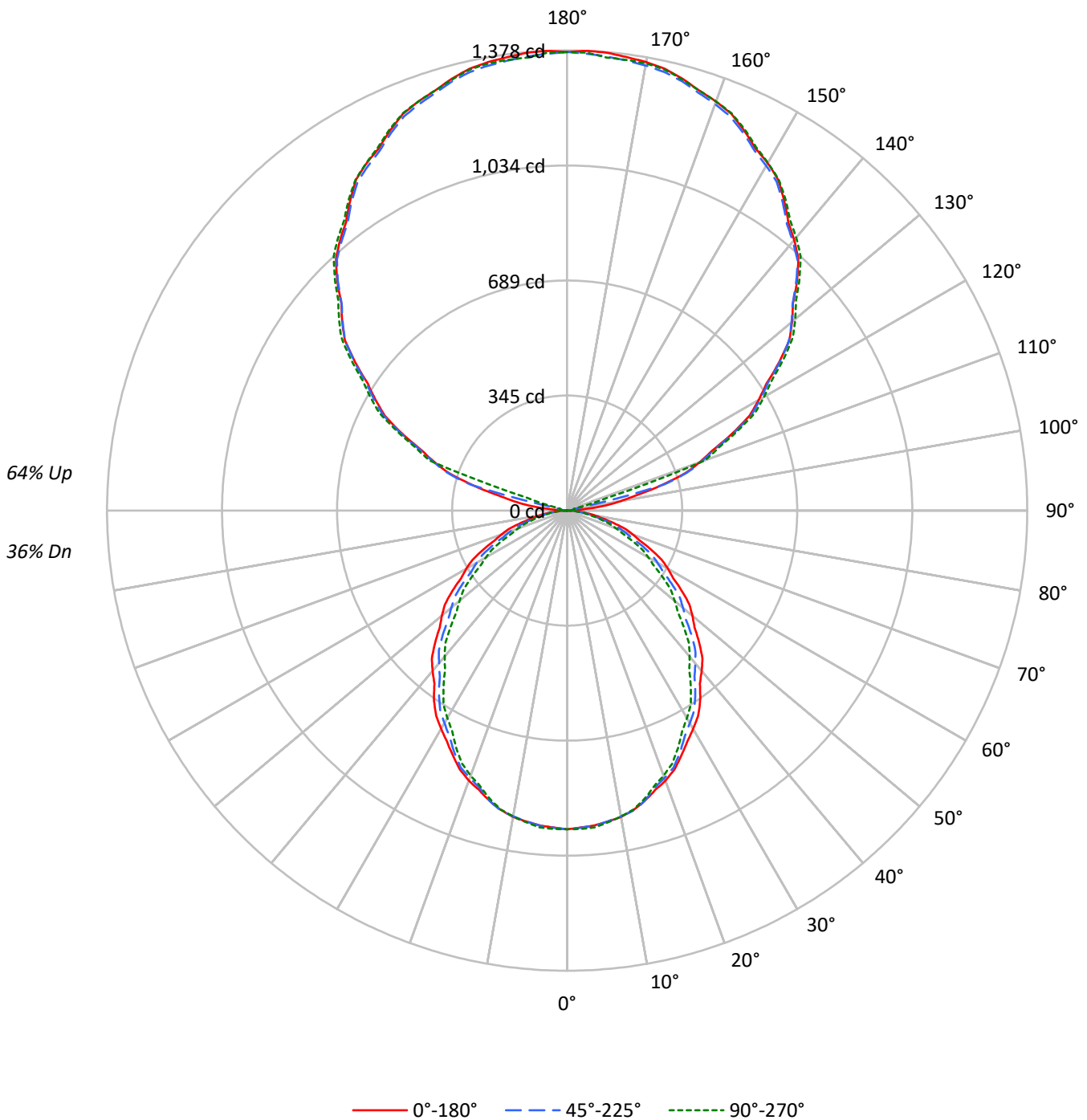
Lumens per Lamp: N/A  
Luminaire Lumens: 6337.4 lumens  
Efficiency: N/A  
Efficacy: 156.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 40.4  
Input Voltage (V): 120  
Input Current (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				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	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°	10800	10800	10800
5°	10748	10756	10817
10°	10701	10686	10686
15°	10538	10538	10473
20°	10366	10260	10170
25°	10105	9977	9800
30°	9857	9600	9370
35°	9597	9242	8913
40°	9252	8810	8431
45°	8938	8428	7908
50°	8615	7970	7398
55°	8263	7528	6914
60°	7884	7072	6366
65°	7440	6551	5788
70°	6931	5941	5157
75°	6282	5215	4595
80°	5480	4372	4066
85°	4219	3700	3700

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8938 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.1	1.4
10°-20°	253.0	4.0
20°-30°	367.6	5.8
30°-40°	417.9	6.6
40°-50°	405.7	6.4
50°-60°	342.5	5.4
60°-70°	243.7	3.8
70°-80°	130.2	2.1
80°-90°	34.5	0.5
90°-100°	31.7	0.5
100°-110°	229.6	3.6
110°-120°	545.9	8.6
120°-130°	697.5	11.0
130°-140°	752.3	11.9
140°-150°	709.2	11.2
150°-160°	578.6	9.1
160°-170°	377.0	5.9
170°-180°	130.3	2.1
0°-30°	710.6	11.2
0°-40°	1128.6	17.8
0°-60°	1876.8	29.6
0°-90°	2285.2	36.1
90°-120°	807.3	12.7
90°-150°	2966.3	46.8
90°-180°	4052.0	63.9
0°-180°	6337.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	954	954	954	954	954	
5°	946	958	947	946	952	90
15°	900	908	900	894	894	253
25°	809	812	799	788	785	373
35°	695	688	669	649	645	433
45°	559	550	527	502	494	431
55°	419	408	382	357	350	375
65°	278	268	245	223	216	275
75°	144	136	119	107	105	153
85°	32	30	28	28	28	39
90°	0	0	0	1	0	3
95°	58	10	14	14	14	72
105°	291	295	299	22	23	307
115°	545	549	550	559	562	538
125°	775	780	778	786	792	692
135°	974	979	971	978	984	750
145°	1133	1140	1126	1133	1139	709
155°	1255	1265	1248	1251	1259	579
165°	1338	1345	1331	1327	1336	378
175°	1376	1383	1365	1358	1362	131
180°	1373	1373	1373	1373	1373	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	954.5	954.5	954.5	954.5	954.5
2.5°	949.6	959.1	950.7	951.8	953.9
5°	946.3	958.3	947.0	945.8	952.4
7.5°	939.0	949.9	938.2	935.5	941.4
10°	931.4	943.3	930.1	926.7	930.1
12.5°	917.9	930.3	919.8	914.3	917.0
15°	899.6	907.5	899.6	894.1	894.1
17.5°	877.2	885.5	870.5	866.7	865.3
20°	860.9	868.2	852.1	846.6	844.6
22.5°	839.2	846.0	832.6	823.3	820.8
25°	809.4	812.0	799.2	788.3	785.0
27.5°	779.4	780.1	762.5	749.2	744.9
30°	754.5	755.1	734.8	720.5	717.2
32.5°	729.5	727.5	708.3	691.3	689.0
35°	694.8	688.2	669.1	649.3	645.3
37.5°	652.9	649.0	626.4	606.6	600.6
40°	626.4	619.7	596.5	576.7	570.8
42.5°	599.8	592.1	568.3	546.4	539.9
45°	558.6	550.0	526.7	501.5	494.2
47.5°	517.1	507.7	482.1	457.7	449.6
50°	489.4	479.5	452.8	428.9	420.3
52.5°	461.2	450.8	424.1	399.7	392.6
55°	418.9	407.7	381.6	357.1	350.5
57.5°	376.6	365.5	339.6	316.4	308.4
60°	348.4	337.8	312.5	289.3	281.3
62.5°	319.7	309.6	284.8	262.2	254.7
65°	277.9	268.0	244.7	222.9	216.2
67.5°	236.6	228.1	205.1	185.1	179.8
70°	209.5	201.5	179.6	161.2	155.9
72.5°	183.4	175.0	154.2	138.5	134.8
75°	143.7	135.8	119.3	107.1	105.1
77.5°	107.4	100.9	86.6	79.7	78.6
80°	84.1	78.1	67.1	62.4	62.4
82.5°	62.4	57.5	50.3	48.3	48.3
85°	32.5	29.9	28.5	28.5	28.5
87.5°	9.8	9.8	9.2	8.9	8.7
90°	0.0	0.0	0.0	1.0	0.0
92.5°	15.7	6.0	5.0	6.0	5.8
95°	57.9	10.4	13.5	14.5	14.5
97.5°	116.7	114.5	15.7	18.8	19.0
100°	161.4	166.5	16.6	19.7	20.7
102.5°	211.1	215.3	30.6	20.5	21.5
105°	290.8	294.8	299.0	21.8	22.8
107.5°	370.0	373.0	375.8	338.3	126.6
110°	422.2	425.2	426.3	436.7	438.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	471.0	474.8	476.8	485.6	489.2
115°	545.3	549.3	550.5	558.8	561.8
117.5°	615.9	620.1	622.1	628.8	633.7
120°	662.2	667.3	668.4	676.8	680.8
122.5°	707.7	713.6	713.1	720.7	726.4
125°	775.0	780.1	778.1	786.5	791.5
127.5°	838.9	842.0	837.7	847.9	852.2
130°	879.5	882.5	877.4	886.9	891.9
132.5°	916.7	921.4	915.5	924.1	929.2
135°	973.7	978.7	970.6	977.9	984.0
137.5°	1024.4	1030.4	1020.6	1029.2	1034.5
140°	1057.5	1063.5	1051.3	1060.7	1066.8
142.5°	1088.1	1095.8	1081.1	1089.7	1096.6
145°	1133.0	1140.1	1125.8	1133.1	1139.2
147.5°	1175.6	1181.7	1168.0	1173.2	1177.5
150°	1201.3	1207.4	1192.0	1197.3	1202.3
152.5°	1222.0	1230.5	1215.2	1218.8	1226.3
155°	1255.1	1265.2	1247.9	1251.1	1259.2
157.5°	1285.5	1294.6	1277.2	1280.1	1287.2
160°	1303.7	1312.8	1295.5	1296.6	1303.7
162.5°	1317.8	1326.1	1311.2	1309.1	1317.8
165°	1337.9	1345.0	1330.6	1326.7	1335.8
167.5°	1354.6	1362.7	1345.1	1341.8	1352.2
170°	1363.7	1371.8	1353.4	1348.5	1359.6
172.5°	1369.5	1376.8	1359.2	1352.6	1361.3
175°	1376.2	1383.2	1364.8	1357.6	1361.7
177.5°	1378.0	1383.7	1368.9	1362.5	1372.2
180°	1373.1	1373.1	1373.1	1373.1	1373.1



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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	13.97	14.71	15.04	15.78	17.24	12.89	13.63	13.96	14.70	16.16
	3H	15.62	16.29	16.70	17.37	18.84	14.29	14.96	15.37	16.04	17.51
	4H	16.25	16.88	17.34	17.96	19.44	14.80	15.43	15.89	16.51	18.00
	6H	16.63	17.21	17.73	18.29	19.79	15.12	15.70	16.22	16.78	18.27
	8H	16.76	17.31	17.87	18.41	19.90	15.24	15.79	16.34	16.89	18.37
	12H	16.82	17.35	17.93	18.44	19.95	15.31	15.83	16.42	16.92	18.44
4H	2H	14.36	14.99	15.46	16.07	17.55	13.50	14.13	14.60	15.21	16.69
	3H	16.24	16.76	17.34	17.87	19.37	15.11	15.63	16.21	16.74	18.24
	4H	16.98	17.46	18.09	18.56	20.08	15.71	16.19	16.82	17.29	18.81
	6H	17.48	17.89	18.59	19.01	20.52	16.12	16.53	17.23	17.65	19.16
	8H	17.67	18.05	18.78	19.16	20.69	16.28	16.67	17.40	17.78	19.31
	12H	17.76	18.11	18.89	19.23	20.76	16.38	16.73	17.52	17.86	19.39
8H	4H	17.10	17.49	18.22	18.60	20.12	15.96	16.35	17.08	17.46	18.99
	6H	17.72	18.03	18.85	19.19	20.71	16.49	16.80	17.62	17.96	19.48
	8H	17.99	18.27	19.14	19.40	20.95	16.74	17.02	17.88	18.15	19.69
	12H	18.15	18.39	19.30	19.53	21.10	16.91	17.15	18.06	18.29	19.86
12H	4H	17.07	17.42	18.20	18.54	20.07	15.96	16.31	17.09	17.43	18.96
	6H	17.73	18.01	18.88	19.15	20.69	16.54	16.82	17.69	17.96	19.50
	8H	18.03	18.27	19.17	19.40	20.98	16.82	17.06	17.97	18.20	19.77