

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: P1439045

Luminaire Tested: CB2-D-085U-030D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439045  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-D-085U-030D-935-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

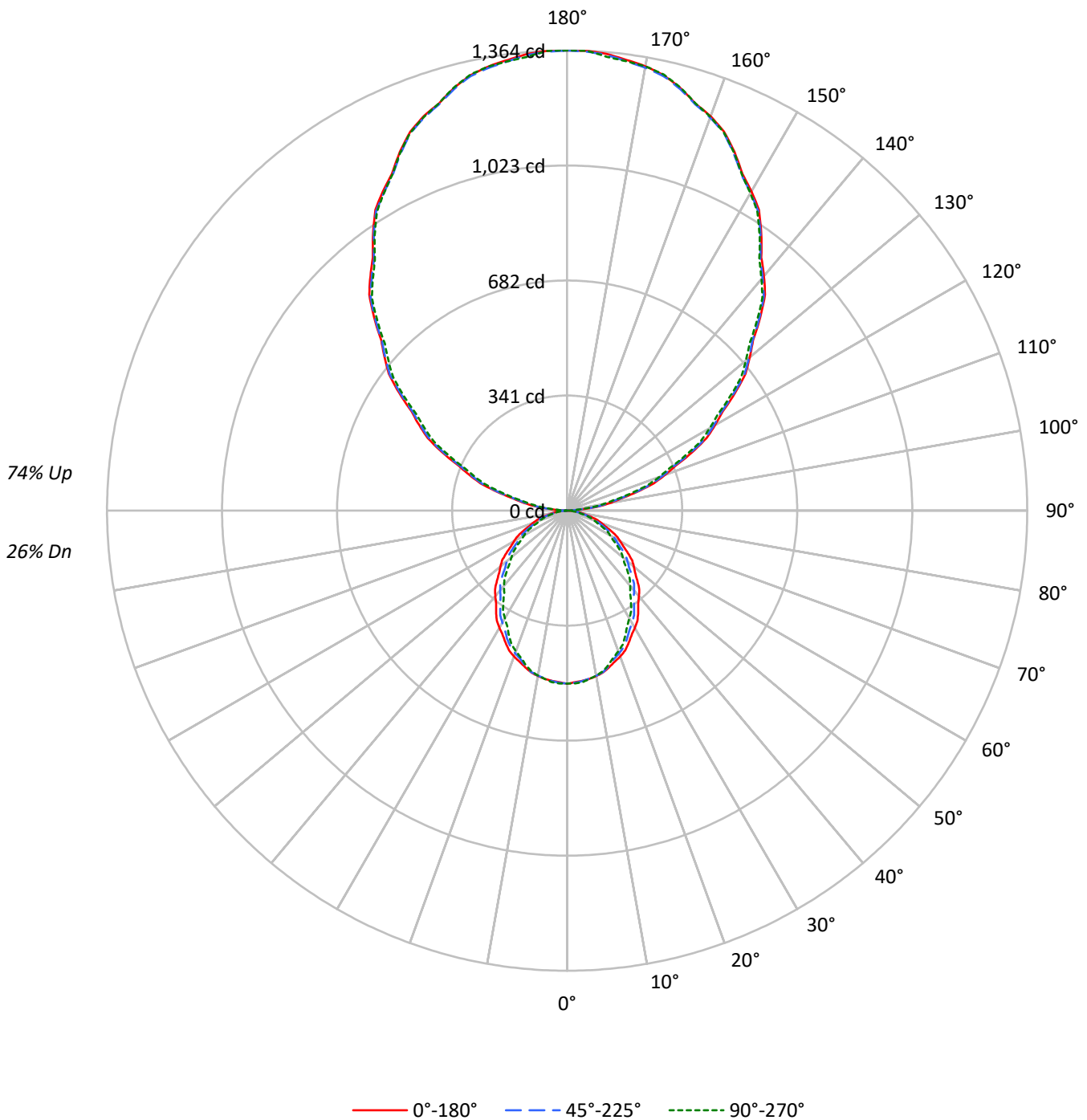
Lumens per Lamp: N/A  
Luminaire Lumens: 4674.6 lumens  
Efficiency: N/A  
Efficacy: 137.1 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.23  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 34.1  
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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26																				
1	92	88	85	81	82	79	76	73	61	59	57	45	44	42	30	29	29	22																				
2	84	77	71	66	75	69	64	60	54	50	47	39	37	36	26	25	24	18																				
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	23	22	21	16																				
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	19	18	14																				
5	64	53	46	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12																				
6	59	48	40	34	53	43	36	31	34	29	25	25	22	20	17	15	14	10																				
7	55	43	35	30	49	39	32	27	30	26	22	23	20	17	16	14	12	9																				
8	51	39	31	26	45	35	29	24	28	23	20	21	18	15	14	12	11	8																				
9	47	35	28	23	42	32	26	21	25	21	17	19	16	14	13	11	10	8																				
10	44	32	25	21	39	29	23	19	23	19	16	18	14	12	12	10	9	7																				

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

	0°	45°	90°
0°	8935	8935	8935
5°	8859	8873	8934
10°	8809	8788	8781
15°	8670	8612	8542
20°	8534	8343	8228
25°	8304	8070	7843
30°	8073	7719	7425
35°	7810	7359	7008
40°	7528	7019	6610
45°	7247	6665	6222
50°	6994	6322	5842
55°	6681	5964	5487
60°	6322	5622	5131
65°	5943	5246	4777
70°	5520	4823	4318
75°	5020	4361	3910
80°	4494	3822	3551
85°	3457	3138	2598

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7247 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.2	1.0
10°-20°	134.5	2.9
20°-30°	193.4	4.1
30°-40°	217.3	4.6
40°-50°	209.9	4.5
50°-60°	177.4	3.8
60°-70°	127.4	2.7
70°-80°	69.6	1.5
80°-90°	18.6	0.4
90°-100°	52.7	1.1
100°-110°	217.3	4.6
110°-120°	394.5	8.4
120°-130°	536.8	11.5
130°-140°	619.7	13.3
140°-150°	624.4	13.4
150°-160°	538.9	11.5
160°-170°	365.2	7.8
170°-180°	128.8	2.8
0°-30°	376.1	8.0
0°-40°	593.4	12.7
0°-60°	980.7	21.0
0°-90°	1196.3	25.6
90°-120°	664.5	14.2
90°-150°	2445.4	52.3
90°-180°	3478.0	74.4
0°-180°	4674.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	513	513	513	513	513	
5°	507	514	508	508	511	48
15°	481	485	478	473	474	136
25°	432	432	420	410	408	199
35°	367	363	346	333	330	229
45°	294	288	271	256	253	227
55°	220	212	196	184	181	197
65°	144	139	127	118	116	143
75°	75	70	65	60	58	80
85°	17	16	16	14	13	21
90°	0	0	1	0	1	2
95°	51	45	43	33	33	59
105°	215	212	206	195	193	228
115°	408	408	400	388	387	403
125°	608	614	601	588	589	542
135°	810	819	805	791	796	623
145°	1003	1015	999	987	995	627
155°	1173	1185	1168	1161	1170	540
165°	1297	1310	1294	1286	1298	365
175°	1359	1373	1355	1347	1350	129
180°	1364	1364	1364	1364	1364	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	513.0	513.0	513.0	513.0	513.0
2.5°	509.5	515.7	511.1	511.8	512.7
5°	506.7	513.6	507.5	507.6	511.0
7.5°	503.1	509.6	501.9	500.5	503.7
10°	498.1	504.6	496.9	494.2	496.5
12.5°	491.5	497.7	490.3	486.0	488.0
15°	480.8	485.0	477.6	472.9	473.7
17.5°	469.2	471.8	461.1	457.2	456.4
20°	460.4	462.7	450.1	444.6	443.9
22.5°	449.0	451.0	437.9	431.1	430.0
25°	432.1	432.5	419.9	410.4	408.1
27.5°	414.3	413.1	399.2	387.9	384.9
30°	401.4	399.9	383.8	371.9	369.2
32.5°	387.6	384.8	368.7	355.9	353.2
35°	367.3	363.0	346.1	332.6	329.6
37.5°	345.6	340.8	324.1	309.5	306.1
40°	331.1	325.8	308.7	294.1	290.7
42.5°	316.7	310.7	293.3	278.7	275.0
45°	294.2	288.1	270.6	256.4	252.6
47.5°	272.8	265.0	248.1	233.9	230.1
50°	258.1	249.6	233.3	219.5	215.6
52.5°	243.0	234.2	218.6	205.3	201.5
55°	220.0	211.9	196.4	184.1	180.7
57.5°	197.2	189.4	175.3	163.6	160.2
60°	181.5	174.9	161.4	150.4	147.3
62.5°	166.4	160.5	147.6	137.5	134.4
65°	144.2	138.8	127.3	118.2	115.9
67.5°	122.6	117.2	107.9	99.7	97.1
70°	108.4	103.0	94.7	87.1	84.8
72.5°	94.9	89.2	82.4	75.5	73.8
75°	74.6	70.0	64.8	59.7	58.1
77.5°	56.7	52.3	48.5	44.8	44.5
80°	44.8	40.9	38.1	35.7	35.4
82.5°	33.5	30.5	28.7	26.9	26.9
85°	17.3	16.1	15.7	13.7	13.0
87.5°	5.0	5.0	4.6	3.8	4.0
90°	0.0	0.0	1.1	0.0	1.1
92.5°	12.8	11.1	10.4	6.8	7.9
95°	51.1	44.8	42.6	33.0	33.0
97.5°	96.4	90.1	86.8	77.0	74.9
100°	128.7	122.5	119.2	108.5	106.4
102.5°	161.9	159.0	153.2	141.7	139.6
105°	214.9	211.8	206.4	194.6	192.6
107.5°	269.4	270.0	261.9	252.3	249.4
110°	308.5	307.5	301.1	291.5	289.4



TEST NUMBER: P1439045

CATALOG NUMBER: CB2-D-085U-030D-935-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	348.5	346.6	340.2	330.6	328.5
115°	408.5	407.5	400.0	388.3	387.2
117.5°	465.5	468.9	460.0	447.7	447.2
120°	506.4	510.6	500.0	489.3	487.3
122.5°	546.4	551.4	540.9	528.5	529.0
125°	607.5	613.7	601.1	588.3	589.4
127.5°	666.4	674.1	662.4	649.4	650.7
130°	706.4	715.8	703.2	689.4	691.5
132.5°	747.3	756.6	744.1	729.5	733.2
135°	809.6	819.0	805.3	790.6	795.8
137.5°	868.3	877.7	862.8	850.4	856.6
140°	907.5	916.8	901.1	889.5	895.8
142.5°	945.8	956.8	940.2	927.9	935.8
145°	1003.2	1014.7	999.0	987.4	994.7
147.5°	1057.7	1069.1	1053.2	1042.1	1049.6
150°	1092.6	1104.0	1087.3	1077.9	1086.2
152.5°	1124.9	1138.0	1120.5	1111.1	1122.0
155°	1173.4	1184.9	1168.1	1160.9	1170.3
157.5°	1215.6	1228.9	1212.2	1206.0	1213.4
160°	1243.7	1256.1	1239.4	1233.2	1241.5
162.5°	1264.9	1278.2	1262.4	1255.4	1265.4
165°	1296.9	1310.4	1293.7	1286.5	1297.9
167.5°	1322.0	1336.3	1319.4	1312.0	1323.7
170°	1337.3	1350.8	1333.0	1324.8	1337.3
172.5°	1347.5	1361.8	1343.2	1334.9	1343.2
175°	1358.6	1373.1	1355.4	1346.9	1350.0
177.5°	1363.9	1375.5	1361.3	1353.9	1363.9
180°	1363.9	1363.9	1363.9	1363.9	1363.9



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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	11.75	12.42	12.89	13.55	15.14	10.65	11.32	11.79	12.46	14.04
	3H	13.38	13.98	14.53	15.12	16.72	12.16	12.76	13.31	13.90	15.50
	4H	14.00	14.57	15.16	15.71	17.31	12.73	13.30	13.89	14.44	16.04
	6H	14.39	14.92	15.56	16.06	17.67	13.09	13.62	14.26	14.76	16.37
	8H	14.53	15.04	15.71	16.19	17.80	13.22	13.72	14.39	14.88	16.49
	12H	14.60	15.08	15.78	16.23	17.86	13.28	13.76	14.46	14.91	16.54
4H	2H	12.13	12.71	13.30	13.85	15.45	11.26	11.83	12.43	12.97	14.58
	3H	13.99	14.46	15.16	15.63	17.24	12.98	13.46	14.15	14.62	16.24
	4H	14.72	15.16	15.90	16.32	17.95	13.64	14.08	14.82	15.24	16.87
	6H	15.23	15.61	16.41	16.79	18.41	14.11	14.48	15.29	15.66	17.28
	8H	15.43	15.78	16.61	16.95	18.59	14.29	14.64	15.47	15.81	17.45
	12H	15.53	15.85	16.73	17.03	18.67	14.37	14.69	15.57	15.87	17.52
8H	4H	14.87	15.22	16.04	16.38	18.03	13.90	14.25	15.08	15.42	17.06
	6H	15.50	15.79	16.70	17.00	18.64	14.50	14.79	15.70	16.00	17.64
	8H	15.79	16.04	16.99	17.23	18.89	14.77	15.02	15.98	16.21	17.87
	12H	15.95	16.18	17.16	17.36	19.05	14.91	15.13	16.12	16.32	18.01
12H	4H	14.84	15.16	16.03	16.33	17.98	13.90	14.22	15.09	15.39	17.04
	6H	15.53	15.78	16.73	16.97	18.62	14.56	14.81	15.76	16.00	17.66
	8H	15.84	16.06	17.04	17.24	18.93	14.86	15.08	16.06	16.26	17.95