

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: P1439219

Luminaire Tested: CB3-085U-030D-835-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439219  
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-835-1D-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: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

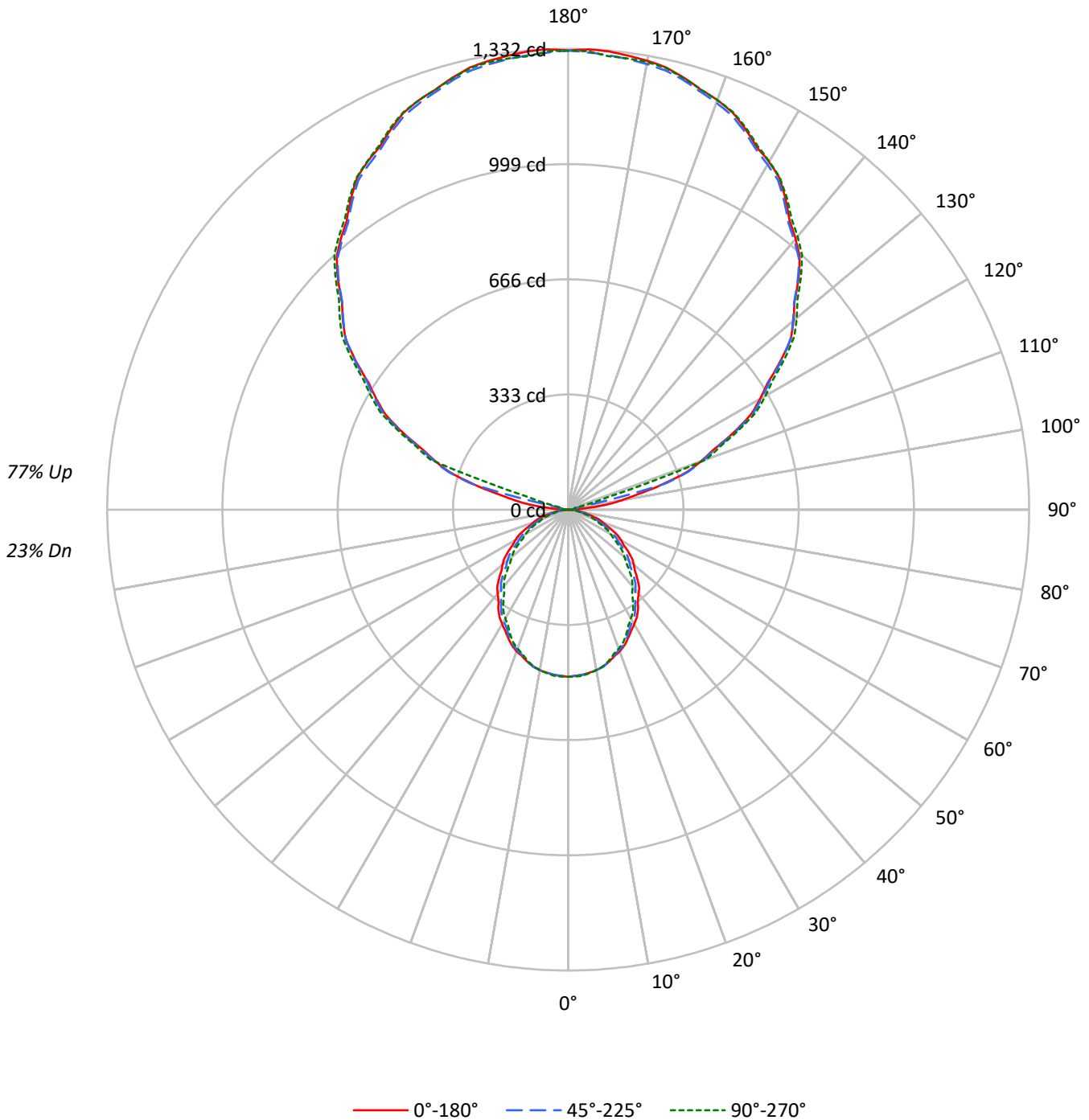
Lumens per Lamp: N/A  
Luminaire Lumens: 5072.3 lumens  
Efficiency: N/A  
Efficacy: 156.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 32.4  
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	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°	5464	5464	5464
5°	5437	5442	5472
10°	5414	5406	5406
15°	5331	5331	5298
20°	5244	5191	5145
25°	5112	5047	4957
30°	4987	4858	4740
35°	4855	4676	4510
40°	4681	4458	4266
45°	4522	4264	4000
50°	4358	4033	3742
55°	4180	3809	3497
60°	3990	3578	3220
65°	3764	3314	2929
70°	3507	3007	2610
75°	3178	2640	2326
80°	2769	2215	2059
85°	2142	1869	1869

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4522 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.6	0.9
10°-20°	128.0	2.5
20°-30°	186.0	3.7
30°-40°	211.4	4.2
40°-50°	205.2	4.0
50°-60°	173.3	3.4
60°-70°	123.3	2.4
70°-80°	65.9	1.3
80°-90°	17.5	0.3
90°-100°	30.6	0.6
100°-110°	221.9	4.4
110°-120°	527.6	10.4
120°-130°	674.1	13.3
130°-140°	727.1	14.3
140°-150°	685.4	13.5
150°-160°	559.2	11.0
160°-170°	364.3	7.2
170°-180°	125.9	2.5
0°-30°	359.5	7.1
0°-40°	570.9	11.3
0°-60°	949.5	18.7
0°-90°	1156.1	22.8
90°-120°	780.2	15.4
90°-150°	2866.8	56.5
90°-180°	3916.0	77.2
0°-180°	5072.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	483	483	483	483	483	
5°	479	485	479	478	482	45
15°	455	459	455	452	452	128
25°	410	411	404	399	397	189
35°	352	348	338	328	326	219
45°	283	278	266	254	250	218
55°	212	206	193	181	177	189
65°	141	136	124	113	109	139
75°	73	69	60	54	53	78
85°	16	15	14	14	14	20
90°	0	0	0	1	0	3
95°	56	10	13	14	14	69
105°	281	285	289	21	22	296
115°	527	531	532	540	543	520
125°	749	754	752	760	765	668
135°	941	946	938	945	951	725
145°	1095	1102	1088	1095	1101	685
155°	1213	1223	1206	1209	1217	559
165°	1293	1300	1286	1282	1291	365
175°	1330	1337	1319	1312	1316	126
180°	1327	1327	1327	1327	1327	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	482.9	482.9	482.9	482.9	482.9
2.5°	480.4	485.2	480.9	481.5	482.6
5°	478.7	484.8	479.1	478.5	481.8
7.5°	475.0	480.5	474.6	473.3	476.3
10°	471.2	477.2	470.5	468.8	470.5
12.5°	464.3	470.6	465.3	462.5	463.9
15°	455.1	459.1	455.1	452.3	452.3
17.5°	443.8	448.0	440.4	438.5	437.7
20°	435.5	439.2	431.1	428.3	427.3
22.5°	424.6	428.0	421.2	416.5	415.2
25°	409.5	410.8	404.3	398.8	397.1
27.5°	394.3	394.7	385.7	379.0	376.8
30°	381.7	382.0	371.8	364.5	362.8
32.5°	369.1	368.1	358.3	349.7	348.6
35°	351.5	348.2	338.5	328.5	326.5
37.5°	330.3	328.3	316.9	306.9	303.8
40°	316.9	313.5	301.8	291.8	288.8
42.5°	303.4	299.5	287.5	276.4	273.1
45°	282.6	278.2	266.5	253.7	250.0
47.5°	261.6	256.8	243.9	231.5	227.4
50°	247.6	242.6	229.1	217.0	212.6
52.5°	233.3	228.0	214.5	202.2	198.6
55°	211.9	206.2	193.1	180.7	177.3
57.5°	190.5	184.9	171.8	160.1	156.0
60°	176.3	170.9	158.1	146.3	142.3
62.5°	161.7	156.6	144.1	132.6	128.9
65°	140.6	135.6	123.8	112.8	109.4
67.5°	119.7	115.4	103.8	93.6	90.9
70°	106.0	101.9	90.9	81.6	78.9
72.5°	92.8	88.5	78.0	70.1	68.2
75°	72.7	68.7	60.4	54.2	53.2
77.5°	54.3	51.0	43.8	40.3	39.8
80°	42.5	39.5	34.0	31.6	31.6
82.5°	31.6	29.1	25.4	24.4	24.4
85°	16.5	15.1	14.4	14.4	14.4
87.5°	4.9	4.9	4.7	4.6	4.4
90°	0.0	0.0	0.0	1.0	0.0
92.5°	15.2	5.8	4.8	5.8	5.6
95°	56.0	10.0	13.0	14.0	14.0
97.5°	112.8	110.6	15.2	18.2	18.4
100°	156.0	160.9	16.0	19.0	20.0
102.5°	204.0	208.1	29.6	19.8	20.8
105°	281.0	284.9	289.0	21.0	22.0
107.5°	357.6	360.5	363.2	327.0	122.4
110°	408.0	410.9	412.0	422.0	424.0



TEST NUMBER: P1439219

CATALOG NUMBER: CB3-085U-030D-835-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	455.2	458.9	460.8	469.3	472.8
115°	527.0	530.9	532.0	540.1	543.0
117.5°	595.2	599.3	601.2	607.7	612.4
120°	640.0	644.9	646.0	654.1	658.0
122.5°	684.0	689.7	689.2	696.5	702.0
125°	749.0	753.9	752.0	760.1	765.0
127.5°	810.8	813.7	809.6	819.5	823.6
130°	850.0	852.9	848.0	857.1	862.0
132.5°	886.0	890.5	884.8	893.1	898.0
135°	941.0	945.9	938.0	945.1	951.0
137.5°	990.0	995.9	986.4	994.7	999.8
140°	1022.0	1027.9	1016.0	1025.1	1031.0
142.5°	1051.6	1059.0	1044.8	1053.2	1059.8
145°	1095.0	1101.8	1088.0	1095.1	1101.0
147.5°	1136.2	1142.1	1128.8	1133.9	1138.0
150°	1161.0	1166.9	1152.0	1157.1	1162.0
152.5°	1181.0	1189.2	1174.4	1178.0	1185.2
155°	1213.0	1222.8	1206.0	1209.2	1217.0
157.5°	1242.4	1251.2	1234.4	1237.2	1244.0
160°	1260.0	1268.8	1252.0	1253.2	1260.0
162.5°	1273.6	1281.6	1267.2	1265.2	1273.6
165°	1293.0	1299.8	1286.0	1282.2	1291.0
167.5°	1309.2	1317.0	1300.0	1296.8	1306.8
170°	1318.0	1325.8	1308.0	1303.2	1314.0
172.5°	1323.6	1330.6	1313.6	1307.2	1315.6
175°	1330.0	1336.8	1319.0	1312.1	1316.0
177.5°	1331.8	1337.3	1323.0	1316.8	1326.2
180°	1327.0	1327.0	1327.0	1327.0	1327.0



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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	9.73	10.39	10.89	11.53	13.15	8.65	9.31	9.81	10.46	12.07
	3H	11.38	11.97	12.55	13.12	14.75	10.05	10.64	11.22	11.79	13.42
	4H	12.00	12.56	13.18	13.71	15.35	10.56	11.12	11.74	12.27	13.90
	6H	12.38	12.89	13.56	14.05	15.69	10.87	11.38	12.05	12.54	14.18
	8H	12.51	13.00	13.69	14.17	15.80	10.98	11.47	12.17	12.64	14.28
	12H	12.57	13.03	13.76	14.20	15.85	11.05	11.51	12.24	12.68	14.34
4H	2H	10.11	10.67	11.30	11.82	13.46	9.25	9.81	10.44	10.97	12.60
	3H	11.98	12.45	13.17	13.63	15.27	10.85	11.32	12.04	12.50	14.14
	4H	12.72	13.15	13.91	14.32	15.98	11.45	11.88	12.64	13.05	14.71
	6H	13.21	13.58	14.41	14.77	16.42	11.85	12.22	13.05	13.41	15.06
	8H	13.40	13.74	14.59	14.92	16.59	12.02	12.36	13.21	13.54	15.21
	12H	13.49	13.80	14.70	14.99	16.67	12.12	12.43	13.32	13.62	15.29
8H	4H	12.84	13.18	14.03	14.36	16.03	11.70	12.04	12.89	13.22	14.89
	6H	13.45	13.73	14.66	14.95	16.62	12.22	12.50	13.43	13.73	15.39
	8H	13.72	13.97	14.94	15.17	16.85	12.47	12.71	13.69	13.92	15.60
	12H	13.88	14.09	15.10	15.29	17.01	12.64	12.85	13.86	14.05	15.77
12H	4H	12.80	13.11	14.01	14.30	15.98	11.69	12.00	12.90	13.19	14.87
	6H	13.46	13.71	14.68	14.91	16.59	12.27	12.52	13.49	13.72	15.41
	8H	13.75	13.97	14.97	15.17	16.88	12.55	12.76	13.77	13.96	15.68