

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: P1439233

Luminaire Tested: CB3-085U-055D-835-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439233
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-835-1D-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, 80 CRI LEDS
Ballast/Driver: -

Summary

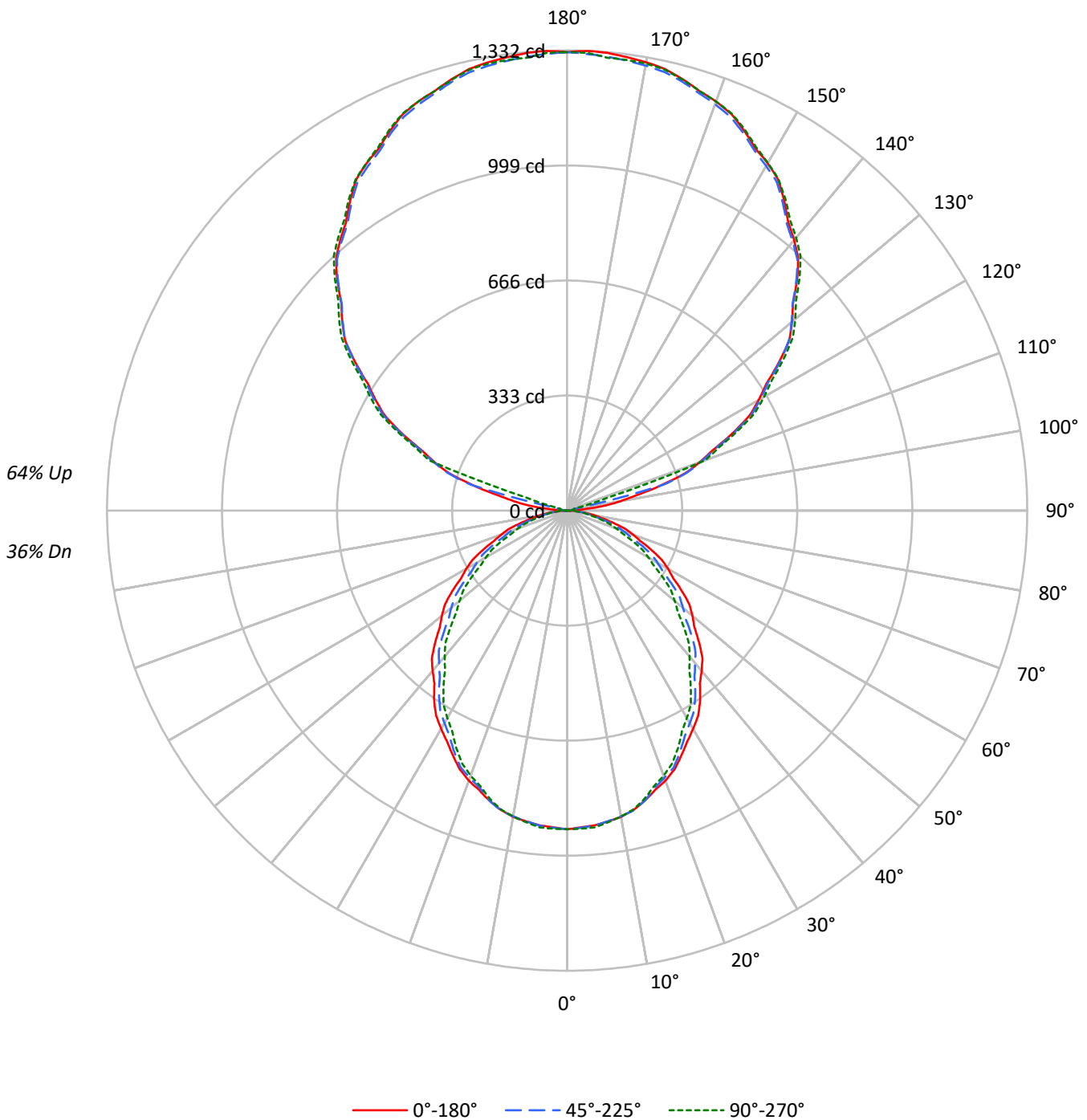
Lumens per Lamp: N/A
Luminaire Lumens: 6124.7 lumens
Efficiency: N/A
Efficacy: 151.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 40.4
Input Voltage (V): 120
Input Current (A_{in}): 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°	10437	10437	10437
5°	10388	10395	10455
10°	10343	10328	10328
15°	10184	10184	10122
20°	10018	9916	9829
25°	9765	9643	9472
30°	9527	9279	9055
35°	9275	8931	8615
40°	8942	8515	8147
45°	8637	8145	7642
50°	8326	7703	7150
55°	7987	7275	6681
60°	7619	6834	6153
65°	7191	6332	5595
70°	6696	5743	4985
75°	6072	5040	4437
80°	5291	4229	3929
85°	4076	3570	3570

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8637 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.0	1.4
10°-20°	244.5	4.0
20°-30°	355.3	5.8
30°-40°	403.9	6.6
40°-50°	392.1	6.4
50°-60°	331.0	5.4
60°-70°	235.5	3.8
70°-80°	125.8	2.1
80°-90°	33.3	0.5
90°-100°	30.6	0.5
100°-110°	221.9	3.6
110°-120°	527.6	8.6
120°-130°	674.1	11.0
130°-140°	727.1	11.9
140°-150°	685.4	11.2
150°-160°	559.2	9.1
160°-170°	364.3	5.9
170°-180°	125.9	2.1
0°-30°	686.8	11.2
0°-40°	1090.7	17.8
0°-60°	1813.8	29.6
0°-90°	2208.5	36.1
90°-120°	780.2	12.7
90°-150°	2866.8	46.8
90°-180°	3916.0	63.9
0°-180°	6124.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	922	922	922	922	922	
5°	915	926	915	914	920	87
15°	869	877	869	864	864	245
25°	782	785	772	762	759	360
35°	672	665	647	628	624	418
45°	540	532	509	485	478	416
55°	405	394	369	345	339	362
65°	269	259	236	215	209	266
75°	139	131	115	104	102	148
85°	31	29	28	28	28	37
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°	922.4	922.4	922.4	922.4	922.4
2.5°	917.7	927.0	918.8	919.9	921.9
5°	914.6	926.1	915.2	914.1	920.5
7.5°	907.5	918.0	906.7	904.1	909.9
10°	900.2	911.7	898.9	895.7	898.9
12.5°	887.1	899.1	888.9	883.6	886.3
15°	869.4	877.1	869.4	864.1	864.1
17.5°	847.8	855.8	841.3	837.6	836.2
20°	832.0	839.1	823.5	818.2	816.3
22.5°	811.1	817.6	804.7	795.7	793.3
25°	782.2	784.8	772.4	761.9	758.7
27.5°	753.3	753.9	736.9	724.1	719.9
30°	729.2	729.8	710.2	696.3	693.1
32.5°	705.1	703.1	684.5	668.1	665.9
35°	671.5	665.1	646.6	627.5	623.7
37.5°	631.0	627.2	605.4	586.2	580.5
40°	605.4	598.9	576.5	557.4	551.6
42.5°	579.7	572.2	549.3	528.0	521.8
45°	539.8	531.5	509.0	484.6	477.6
47.5°	499.7	490.6	465.9	442.3	434.5
50°	473.0	463.4	437.6	414.5	406.2
52.5°	445.8	435.6	409.9	386.3	379.5
55°	404.9	394.0	368.8	345.1	338.7
57.5°	364.0	353.2	328.2	305.8	298.1
60°	336.7	326.5	302.0	279.6	271.9
62.5°	309.0	299.2	275.3	253.4	246.2
65°	268.6	259.0	236.5	215.4	209.0
67.5°	228.6	220.4	198.2	178.9	173.7
70°	202.4	194.8	173.6	155.8	150.7
72.5°	177.3	169.1	149.0	133.8	130.2
75°	138.9	131.2	115.3	103.5	101.5
77.5°	103.8	97.5	83.7	77.0	76.0
80°	81.2	75.5	64.9	60.3	60.3
82.5°	60.3	55.5	48.6	46.6	46.6
85°	31.4	28.9	27.5	27.5	27.5
87.5°	9.4	9.4	8.9	8.6	8.4
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



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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	13.85	14.59	14.92	15.66	17.12	12.77	13.51	13.84	14.58	16.04
	3H	15.50	16.17	16.58	17.25	18.72	14.17	14.84	15.25	15.92	17.39
	4H	16.13	16.76	17.22	17.84	19.32	14.69	15.31	15.78	16.40	17.88
	6H	16.51	17.09	17.61	18.17	19.67	15.00	15.58	16.10	16.66	18.15
	8H	16.64	17.19	17.75	18.29	19.78	15.12	15.67	16.22	16.77	18.26
	12H	16.71	17.23	17.81	18.32	19.83	15.19	15.71	16.30	16.80	18.32
4H	2H	14.24	14.87	15.34	15.95	17.43	13.38	14.01	14.48	15.09	16.58
	3H	16.12	16.64	17.22	17.75	19.25	14.99	15.51	16.09	16.62	18.12
	4H	16.86	17.34	17.97	18.44	19.96	15.59	16.07	16.70	17.17	18.69
	6H	17.36	17.77	18.47	18.89	20.40	16.00	16.41	17.11	17.53	19.04
	8H	17.55	17.93	18.66	19.05	20.57	16.16	16.55	17.28	17.66	19.19
	12H	17.64	17.99	18.77	19.11	20.64	16.26	16.61	17.40	17.74	19.27
8H	4H	16.98	17.37	18.10	18.48	20.01	15.84	16.23	16.96	17.34	18.87
	6H	17.60	17.92	18.73	19.07	20.59	16.37	16.69	17.51	17.84	19.36
	8H	17.87	18.15	19.02	19.29	20.83	16.62	16.90	17.76	18.03	19.57
	12H	18.03	18.27	19.18	19.41	20.98	16.79	17.03	17.94	18.17	19.74
12H	4H	16.95	17.30	18.08	18.42	19.95	15.84	16.19	16.97	17.31	18.84
	6H	17.61	17.89	18.76	19.03	20.57	16.42	16.70	17.57	17.84	19.38
	8H	17.91	18.15	19.05	19.28	20.86	16.70	16.94	17.85	18.08	19.65