

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: P1439223

Luminaire Tested: CB3-085U-030D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439223
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-927-1D-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: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

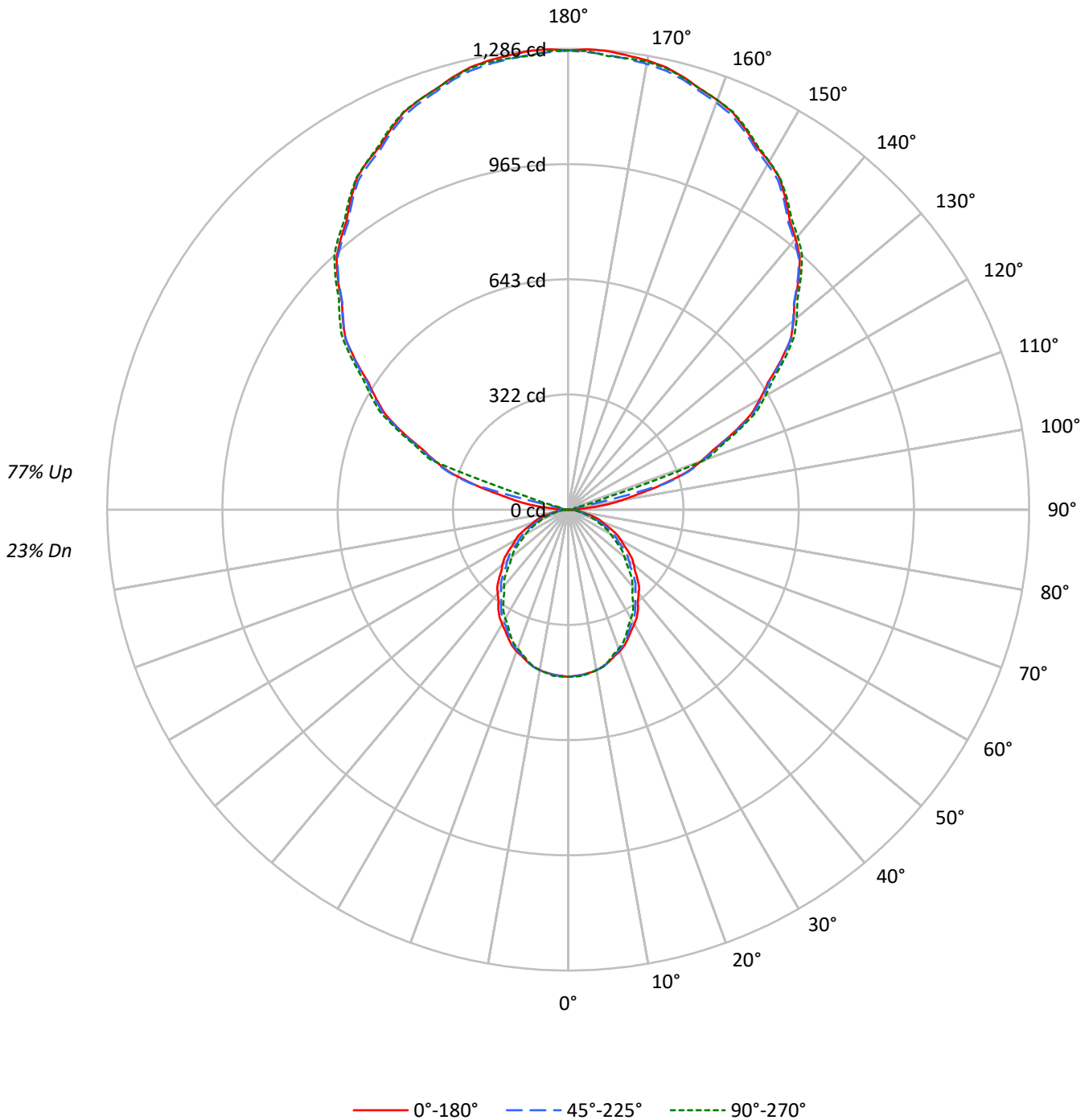
Lumens per Lamp: N/A
Luminaire Lumens: 4898.1 lumens
Efficiency: N/A
Efficacy: 151.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 32.4
Input Voltage (V): 120
Input Current (A_{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

TEST NUMBER: P1439223

CATALOG NUMBER: CB3-085U-030D-927-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P1439223

CATALOG NUMBER: CB3-085U-030D-927-1D-UNV-STD-W-4

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°	5276	5276	5276
5°	5251	5254	5285
10°	5228	5221	5221
15°	5147	5147	5117
20°	5064	5013	4968
25°	4936	4874	4788
30°	4816	4690	4578
35°	4688	4515	4355
40°	4520	4304	4118
45°	4367	4117	3863
50°	4209	3894	3614
55°	4038	3677	3377
60°	3851	3455	3109
65°	3636	3199	2827
70°	3384	2905	2521
75°	3069	2549	2243
80°	2678	2137	1987
85°	2064	1805	1805

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4367 cd/sqm



TEST NUMBER: P1439223

CATALOG NUMBER: CB3-085U-030D-927-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.0	0.9
10°-20°	123.6	2.5
20°-30°	179.6	3.7
30°-40°	204.2	4.2
40°-50°	198.2	4.0
50°-60°	167.3	3.4
60°-70°	119.1	2.4
70°-80°	63.6	1.3
80°-90°	16.9	0.3
90°-100°	29.6	0.6
100°-110°	214.3	4.4
110°-120°	509.5	10.4
120°-130°	650.9	13.3
130°-140°	702.1	14.3
140°-150°	661.9	13.5
150°-160°	540.0	11.0
160°-170°	351.8	7.2
170°-180°	121.6	2.5
0°-30°	347.2	7.1
0°-40°	551.3	11.3
0°-60°	916.8	18.7
0°-90°	1116.4	22.8
90°-120°	753.4	15.4
90°-150°	2768.3	56.5
90°-180°	3782.0	77.2
0°-180°	4898.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	466	466	466	466	466	
5°	462	468	463	462	465	44
15°	439	443	439	437	437	124
25°	395	397	390	385	384	182
35°	339	336	327	317	315	212
45°	273	269	257	245	241	210
55°	205	199	186	174	171	183
65°	136	131	120	109	106	134
75°	70	66	58	52	51	75
85°	16	15	14	14	14	19
90°	0	0	0	1	0	3
95°	54	10	13	14	14	67
105°	271	275	279	20	21	286
115°	509	513	514	522	524	502
125°	723	728	726	734	739	645
135°	909	913	906	913	918	700
145°	1057	1064	1051	1058	1063	662
155°	1171	1181	1165	1168	1175	540
165°	1249	1255	1242	1238	1247	353
175°	1284	1291	1274	1267	1271	122
180°	1281	1281	1281	1281	1281	

TEST NUMBER: P1439223

CATALOG NUMBER: CB3-085U-030D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	466.3	466.3	466.3	466.3	466.3
2.5°	463.9	468.6	464.4	465.0	466.0
5°	462.3	468.1	462.6	462.0	465.3
7.5°	458.7	464.0	458.3	457.0	459.9
10°	455.0	460.8	454.4	452.7	454.4
12.5°	448.4	454.5	449.3	446.6	448.0
15°	439.4	443.3	439.4	436.8	436.8
17.5°	428.5	432.6	425.3	423.4	422.7
20°	420.6	424.1	416.3	413.6	412.6
22.5°	410.0	413.3	406.7	402.2	401.0
25°	395.4	396.7	390.4	385.1	383.5
27.5°	380.8	381.1	372.5	366.0	363.9
30°	368.6	368.9	359.0	352.0	350.4
32.5°	356.4	355.4	346.0	337.7	336.6
35°	339.4	336.2	326.9	317.2	315.3
37.5°	319.0	317.0	306.0	296.3	293.4
40°	306.0	302.8	291.4	281.8	278.8
42.5°	293.0	289.3	277.6	266.9	263.7
45°	272.9	268.7	257.3	245.0	241.4
47.5°	252.6	248.0	235.5	223.6	219.6
50°	239.1	234.2	221.2	209.5	205.3
52.5°	225.3	220.2	207.2	195.2	191.8
55°	204.7	199.2	186.4	174.4	171.2
57.5°	184.0	178.6	165.9	154.6	150.7
60°	170.2	165.0	152.7	141.3	137.4
62.5°	156.2	151.3	139.2	128.1	124.4
65°	135.8	130.9	119.5	108.9	105.6
67.5°	115.6	111.4	100.2	90.4	87.8
70°	102.3	98.4	87.8	78.8	76.2
72.5°	89.6	85.5	75.3	67.6	65.8
75°	70.2	66.3	58.3	52.3	51.3
77.5°	52.5	49.3	42.3	38.9	38.4
80°	41.1	38.1	32.8	30.5	30.5
82.5°	30.5	28.1	24.6	23.6	23.6
85°	15.9	14.6	13.9	13.9	13.9
87.5°	4.8	4.8	4.5	4.4	4.2
90°	0.0	0.0	0.0	0.9	0.0
92.5°	14.7	5.6	4.6	5.6	5.4
95°	54.1	9.7	12.6	13.5	13.5
97.5°	108.9	106.8	14.7	17.6	17.8
100°	150.6	155.4	15.5	18.4	19.3
102.5°	197.0	201.0	28.6	19.1	20.1
105°	271.3	275.1	279.1	20.3	21.2
107.5°	345.3	348.1	350.7	315.7	118.2
110°	394.0	396.8	397.8	407.5	409.4

TEST NUMBER: P1439223

CATALOG NUMBER: CB3-085U-030D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	439.6	443.1	445.0	453.2	456.6
115°	508.9	512.7	513.7	521.5	524.3
117.5°	574.7	578.7	580.5	586.8	591.4
120°	618.0	622.7	623.8	631.6	635.4
122.5°	660.5	666.0	665.5	672.6	677.9
125°	723.3	728.0	726.2	734.0	738.7
127.5°	782.9	785.8	781.8	791.3	795.3
130°	820.8	823.6	818.9	827.7	832.4
132.5°	855.6	859.9	854.4	862.4	867.1
135°	908.7	913.4	905.8	912.7	918.3
137.5°	956.0	961.6	952.5	960.5	965.4
140°	986.9	992.5	981.1	989.9	995.6
142.5°	1015.5	1022.6	1008.9	1017.0	1023.4
145°	1057.4	1064.0	1050.6	1057.5	1063.2
147.5°	1097.2	1102.8	1090.0	1094.9	1098.9
150°	1121.1	1126.8	1112.4	1117.4	1122.1
152.5°	1140.4	1148.4	1134.0	1137.5	1144.5
155°	1171.3	1180.8	1164.6	1167.6	1175.2
157.5°	1199.7	1208.2	1192.0	1194.6	1201.3
160°	1216.7	1225.2	1209.0	1210.1	1216.7
162.5°	1229.8	1237.6	1223.7	1221.7	1229.8
165°	1248.6	1255.2	1241.8	1238.1	1246.6
167.5°	1264.2	1271.8	1255.3	1252.3	1261.9
170°	1272.7	1280.3	1263.1	1258.5	1268.9
172.5°	1278.1	1284.9	1268.5	1262.3	1270.4
175°	1284.3	1290.9	1273.7	1267.0	1270.8
177.5°	1286.0	1291.3	1277.5	1271.6	1280.6
180°	1281.4	1281.4	1281.4	1281.4	1281.4



TEST NUMBER: P1439223

CATALOG NUMBER: CB3-085U-030D-927-1D-UNV-STD-W-4

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	9.61	10.27	10.77	11.41	13.03	8.53	9.19	9.69	10.33	11.95
	3H	11.26	11.85	12.43	13.00	14.63	9.93	10.52	11.10	11.67	13.30
	4H	11.88	12.44	13.06	13.59	15.23	10.44	10.99	11.61	12.15	13.78
	6H	12.26	12.77	13.44	13.93	15.57	10.74	11.26	11.93	12.41	14.06
	8H	12.39	12.87	13.57	14.05	15.68	10.86	11.35	12.05	12.52	14.16
	12H	12.45	12.91	13.64	14.08	15.73	10.93	11.39	12.12	12.56	14.21
4H	2H	9.99	10.55	11.18	11.70	13.34	9.13	9.69	10.32	10.85	12.48
	3H	11.86	12.33	13.05	13.51	15.15	10.73	11.20	11.92	12.38	14.02
	4H	12.60	13.03	13.79	14.20	15.86	11.33	11.76	12.52	12.93	14.59
	6H	13.09	13.46	14.29	14.65	16.30	11.73	12.10	12.93	13.29	14.94
	8H	13.28	13.62	14.47	14.80	16.47	11.90	12.24	13.09	13.42	15.09
	12H	13.37	13.68	14.58	14.87	16.54	11.99	12.30	13.20	13.50	15.17
8H	4H	12.71	13.06	13.91	14.24	15.91	11.58	11.92	12.77	13.10	14.77
	6H	13.33	13.61	14.54	14.83	16.50	12.10	12.38	13.31	13.60	15.27
	8H	13.60	13.85	14.82	15.05	16.73	12.35	12.59	13.56	13.79	15.48
	12H	13.76	13.97	14.98	15.17	16.89	12.51	12.73	13.74	13.93	15.65
12H	4H	12.68	12.99	13.89	14.18	15.85	11.57	11.88	12.78	13.07	14.74
	6H	13.34	13.59	14.56	14.79	16.47	12.15	12.40	13.37	13.60	15.28
	8H	13.63	13.85	14.85	15.05	16.76	12.43	12.64	13.65	13.84	15.56