

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: P1439217

Luminaire Tested: CB3-085U-030D-830-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439217
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

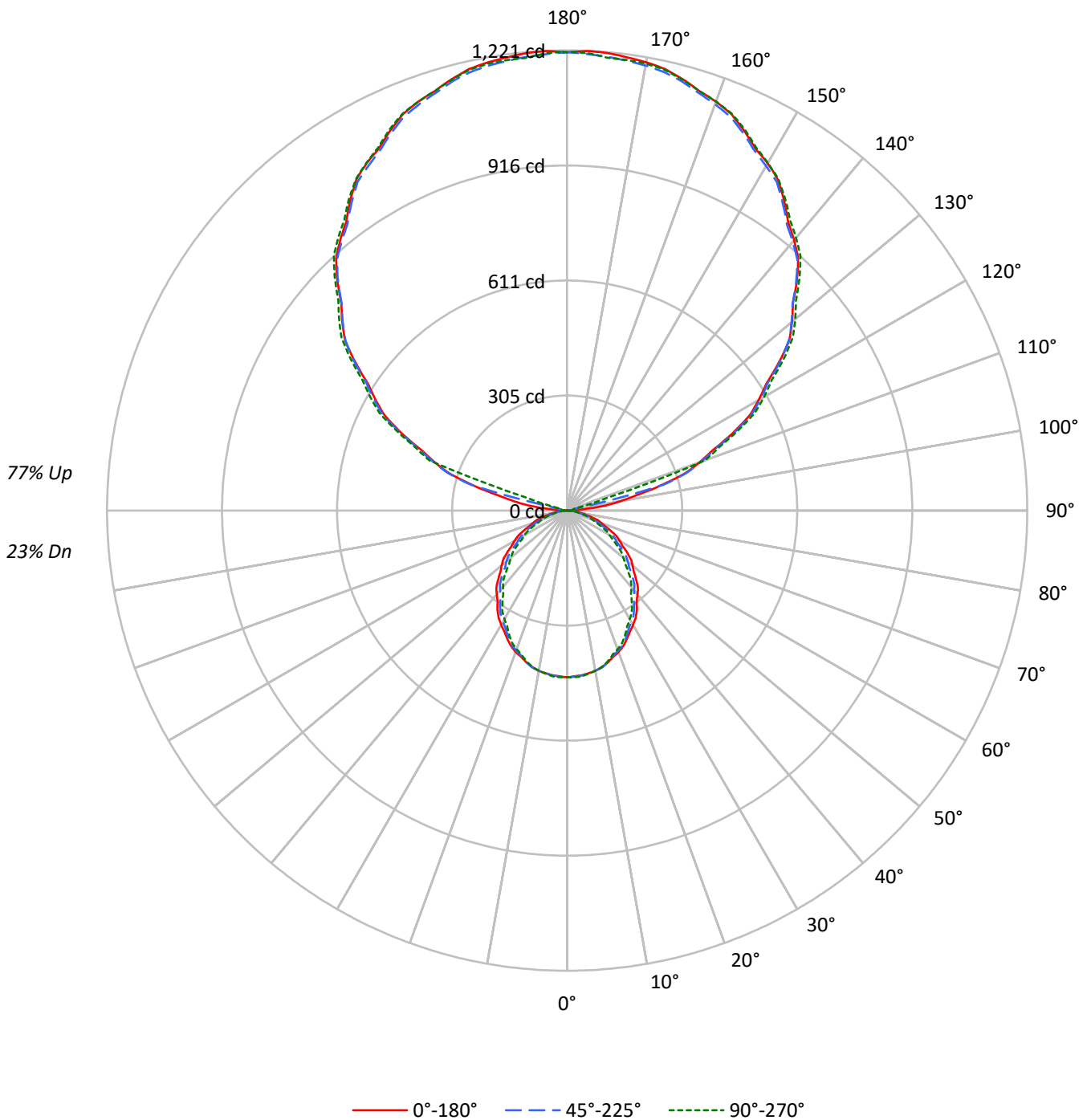
Lumens per Lamp: N/A
Luminaire Lumens: 4649.1 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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

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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	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°	5008	5008	5008
5°	4984	4987	5016
10°	4962	4955	4955
15°	4886	4886	4857
20°	4807	4757	4716
25°	4685	4627	4544
30°	4571	4451	4345
35°	4450	4285	4133
40°	4289	4085	3910
45°	4144	3907	3666
50°	3994	3696	3431
55°	3833	3492	3206
60°	3657	3279	2951
65°	3451	3039	2685
70°	3212	2756	2392
75°	2911	2418	2129
80°	2541	2026	1883
85°	1960	1714	1714

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4144 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.8	0.9
10°-20°	117.3	2.5
20°-30°	170.4	3.7
30°-40°	193.8	4.2
40°-50°	188.1	4.0
50°-60°	158.8	3.4
60°-70°	113.0	2.4
70°-80°	60.4	1.3
80°-90°	16.0	0.3
90°-100°	28.1	0.6
100°-110°	203.4	4.4
110°-120°	483.6	10.4
120°-130°	617.8	13.3
130°-140°	666.4	14.3
140°-150°	628.3	13.5
150°-160°	512.5	11.0
160°-170°	333.9	7.2
170°-180°	115.4	2.5
0°-30°	329.5	7.1
0°-40°	523.3	11.3
0°-60°	870.2	18.7
0°-90°	1059.6	22.8
90°-120°	715.1	15.4
90°-150°	2627.6	56.5
90°-180°	3590.0	77.2
0°-180°	4649.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	443	443	443	443	443	
5°	439	444	439	439	442	42
15°	417	421	417	415	415	117
25°	375	376	371	366	364	173
35°	322	319	310	301	299	201
45°	259	255	244	232	229	200
55°	194	189	177	166	162	174
65°	129	124	114	103	100	128
75°	67	63	55	50	49	71
85°	15	14	13	13	13	18
90°	0	0	0	1	0	3
95°	51	9	12	13	13	63
105°	258	261	265	19	20	272
115°	483	487	488	495	498	476
125°	686	691	689	697	701	613
135°	862	867	860	866	872	664
145°	1004	1010	997	1004	1009	628
155°	1112	1121	1105	1108	1116	513
165°	1185	1191	1179	1175	1183	335
175°	1219	1225	1209	1203	1206	116
180°	1216	1216	1216	1216	1216	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	442.6	442.6	442.6	442.6	442.6
2.5°	440.3	444.7	440.8	441.3	442.3
5°	438.8	444.3	439.1	438.6	441.6
7.5°	435.4	440.5	435.0	433.8	436.5
10°	431.9	437.4	431.3	429.7	431.3
12.5°	425.6	431.4	426.5	423.9	425.2
15°	417.1	420.8	417.1	414.6	414.6
17.5°	406.7	410.6	403.7	401.9	401.2
20°	399.2	402.6	395.1	392.6	391.7
22.5°	389.1	392.3	386.1	381.8	380.6
25°	375.3	376.5	370.6	365.5	364.0
27.5°	361.4	361.7	353.6	347.4	345.4
30°	349.9	350.2	340.7	334.1	332.6
32.5°	338.3	337.4	328.4	320.5	319.5
35°	322.2	319.1	310.2	301.1	299.2
37.5°	302.8	300.9	290.4	281.3	278.5
40°	290.4	287.4	276.6	267.4	264.7
42.5°	278.1	274.6	263.5	253.3	250.3
45°	259.0	255.0	244.2	232.5	229.1
47.5°	239.8	235.4	223.6	212.2	208.5
50°	226.9	222.3	210.0	198.9	194.9
52.5°	213.9	209.0	196.6	185.3	182.1
55°	194.3	189.0	177.0	165.6	162.5
57.5°	174.6	169.5	157.5	146.7	143.0
60°	161.6	156.6	144.9	134.1	130.4
62.5°	148.2	143.6	132.1	121.6	118.1
65°	128.9	124.3	113.5	103.3	100.3
67.5°	109.7	105.8	95.1	85.8	83.4
70°	97.1	93.4	83.3	74.8	72.3
72.5°	85.1	81.1	71.5	64.2	62.5
75°	66.6	63.0	55.3	49.6	48.7
77.5°	49.8	46.8	40.2	37.0	36.5
80°	39.0	36.2	31.1	28.9	28.9
82.5°	28.9	26.6	23.3	22.4	22.4
85°	15.1	13.9	13.2	13.2	13.2
87.5°	4.5	4.5	4.3	4.2	4.0
90°	0.0	0.0	0.0	0.9	0.0
92.5°	13.9	5.3	4.4	5.3	5.1
95°	51.3	9.2	11.9	12.8	12.8
97.5°	103.4	101.4	13.9	16.7	16.9
100°	143.0	147.5	14.7	17.4	18.3
102.5°	187.0	190.7	27.1	18.2	19.1
105°	257.6	261.1	264.9	19.3	20.2
107.5°	327.8	330.5	332.9	299.7	112.2
110°	374.0	376.6	377.6	386.8	388.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	417.2	420.6	422.4	430.1	433.4
115°	483.0	486.6	487.6	495.0	497.7
117.5°	545.5	549.3	551.0	557.0	561.3
120°	586.6	591.1	592.1	599.5	603.1
122.5°	626.9	632.1	631.7	638.4	643.4
125°	686.5	691.0	689.3	696.7	701.2
127.5°	743.2	745.8	742.1	751.1	754.9
130°	779.1	781.8	777.3	785.6	790.1
132.5°	812.1	816.2	811.0	818.6	823.1
135°	862.5	867.0	859.7	866.3	871.7
137.5°	907.4	912.8	904.1	911.7	916.4
140°	936.7	942.1	931.2	939.6	945.0
142.5°	963.9	970.7	957.6	965.3	971.4
145°	1003.6	1009.9	997.2	1003.8	1009.1
147.5°	1041.4	1046.8	1034.6	1039.3	1043.1
150°	1064.1	1069.5	1055.9	1060.6	1065.1
152.5°	1082.5	1090.0	1076.4	1079.7	1086.3
155°	1111.8	1120.8	1105.4	1108.3	1115.5
157.5°	1138.7	1146.8	1131.4	1133.9	1140.2
160°	1154.9	1162.9	1147.5	1148.6	1154.9
162.5°	1167.3	1174.7	1161.5	1159.6	1167.3
165°	1185.1	1191.4	1178.7	1175.2	1183.3
167.5°	1200.0	1207.1	1191.5	1188.6	1197.8
170°	1208.0	1215.2	1198.9	1194.5	1204.4
172.5°	1213.2	1219.6	1204.0	1198.1	1205.8
175°	1219.0	1225.3	1209.0	1202.6	1206.2
177.5°	1220.7	1225.7	1212.6	1207.0	1215.6
180°	1216.3	1216.3	1216.3	1216.3	1216.3

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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	9.43	10.08	10.59	11.23	12.84	8.35	9.00	9.51	10.15	11.77
	3H	11.08	11.67	12.25	12.82	14.45	9.75	10.33	10.92	11.49	13.12
	4H	11.70	12.26	12.88	13.41	15.04	10.25	10.81	11.43	11.97	13.60
	6H	12.07	12.59	13.26	13.74	15.39	10.56	11.07	11.75	12.23	13.88
	8H	12.20	12.69	13.39	13.86	15.50	10.68	11.17	11.87	12.34	13.97
	12H	12.27	12.73	13.46	13.89	15.55	10.75	11.21	11.94	12.38	14.03
4H	2H	9.81	10.37	11.00	11.52	13.16	8.95	9.51	10.14	10.66	12.30
	3H	11.68	12.15	12.87	13.33	14.97	10.55	11.02	11.74	12.20	13.84
	4H	12.42	12.85	13.61	14.02	15.68	11.15	11.58	12.34	12.75	14.41
	6H	12.91	13.28	14.11	14.47	16.12	11.55	11.92	12.75	13.11	14.76
	8H	13.10	13.44	14.29	14.62	16.29	11.72	12.06	12.91	13.24	14.91
	12H	13.19	13.50	14.40	14.69	16.36	11.81	12.12	13.02	13.31	14.99
8H	4H	12.53	12.88	13.73	14.06	15.73	11.39	11.74	12.59	12.92	14.59
	6H	13.15	13.43	14.36	14.65	16.32	11.92	12.20	13.13	13.42	15.09
	8H	13.42	13.66	14.64	14.86	16.55	12.17	12.41	13.38	13.61	15.30
	12H	13.57	13.79	14.79	14.99	16.70	12.33	12.55	13.55	13.75	15.46
12H	4H	12.50	12.81	13.71	14.00	15.67	11.39	11.70	12.60	12.89	14.56
	6H	13.16	13.40	14.38	14.61	16.29	11.97	12.22	13.19	13.42	15.10
	8H	13.45	13.66	14.67	14.86	16.58	12.24	12.46	13.46	13.66	15.37