

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: P1439245

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439245
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-085D-830-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

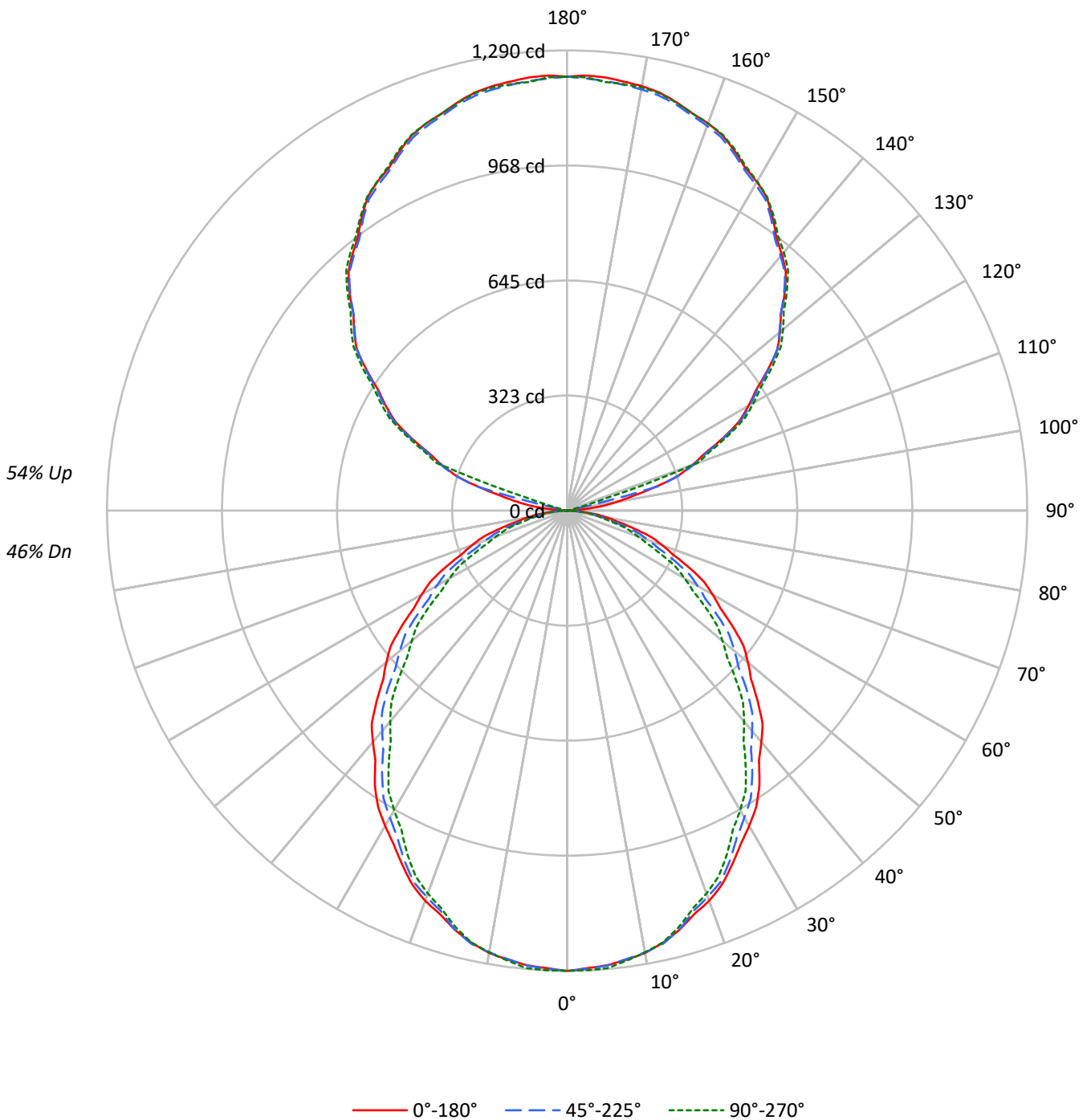
Lumens per Lamp: N/A
Luminaire Lumens: 6679.3 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 49.5
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					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	0	
RCR																						
0	106	106	106	106	98	98	98	98	81	81	81	66	66	66	53	53	53	46				
1	97	93	89	86	89	85	82	79	71	69	67	59	57	56	47	46	45	39				
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	41	40	38	33				
3	81	72	64	59	74	66	60	55	56	51	47	46	42	40	37	35	33	28				
4	74	63	56	50	68	59	52	46	49	44	40	41	37	34	33	30	28	24				
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	25	21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19				
7	58	46	38	32	53	43	36	31	36	31	27	30	26	23	25	22	19	17				
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	26	21	19	21	18	16	14				
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	20	17	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14601	14601	14601
5°	14532	14543	14627
10°	14469	14448	14448
15°	14247	14247	14162
20°	14015	13872	13750
25°	13663	13490	13251
30°	13328	12981	12669
35°	12977	12496	12053
40°	12509	11914	11400
45°	12086	11396	10692
50°	11649	10778	10003
55°	11173	10179	9348
60°	10661	9561	8608
65°	10061	8859	7828
70°	9369	8036	6974
75°	8494	7051	6212
80°	7408	5910	5493
85°	5712	4998	4998

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12086 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.8	1.8
10°-20°	342.1	5.1
20°-30°	497.0	7.4
30°-40°	565.1	8.5
40°-50°	548.6	8.2
50°-60°	463.1	6.9
60°-70°	329.5	4.9
70°-80°	176.1	2.6
80°-90°	46.6	0.7
90°-100°	28.1	0.4
100°-110°	203.4	3.0
110°-120°	483.6	7.2
120°-130°	617.8	9.3
130°-140°	666.4	10.0
140°-150°	628.3	9.4
150°-160°	512.5	7.7
160°-170°	333.9	5.0
170°-180°	115.4	1.7
0°-30°	960.9	14.4
0°-40°	1525.9	22.8
0°-60°	2537.6	38.0
0°-90°	3089.7	46.3
90°-120°	715.1	10.7
90°-150°	2627.6	39.3
90°-180°	3590.0	53.7
0°-180°	6679.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1290	1290	1290	1290	1290	
5°	1280	1296	1280	1279	1288	121
15°	1216	1227	1216	1209	1209	343
25°	1094	1098	1081	1066	1061	504
35°	940	930	905	878	873	585
45°	755	744	712	678	668	583
55°	566	551	516	483	474	506
65°	376	362	331	301	292	372
75°	194	184	161	145	142	207
85°	44	40	38	38	38	52
90°	0	0	0	1	0	4
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°	1290.5	1290.5	1290.5	1290.5	1290.5
2.5°	1283.9	1296.8	1285.4	1286.9	1289.8
5°	1279.5	1295.7	1280.4	1278.8	1287.8
7.5°	1269.6	1284.3	1268.5	1264.9	1272.9
10°	1259.4	1275.5	1257.5	1253.1	1257.5
12.5°	1241.0	1257.9	1243.6	1236.2	1239.9
15°	1216.3	1227.0	1216.3	1209.0	1209.0
17.5°	1186.0	1197.3	1177.1	1171.9	1169.9
20°	1164.0	1173.9	1152.1	1144.7	1142.0
22.5°	1134.7	1143.9	1125.7	1113.2	1109.8
25°	1094.4	1098.0	1080.6	1065.9	1061.4
27.5°	1053.9	1054.8	1031.0	1013.0	1007.1
30°	1020.1	1021.0	993.6	974.2	969.7
32.5°	986.4	983.7	957.6	934.6	931.6
35°	939.5	930.5	904.7	878.0	872.6
37.5°	882.8	877.5	846.9	820.1	812.1
40°	846.9	837.9	806.6	779.8	771.8
42.5°	811.0	800.6	768.5	738.7	730.0
45°	755.3	743.6	712.2	678.0	668.2
47.5°	699.2	686.4	651.9	618.8	607.9
50°	661.8	648.3	612.3	579.9	568.3
52.5°	623.6	609.5	573.4	540.4	530.9
55°	566.4	551.2	516.0	482.8	473.9
57.5°	509.2	494.2	459.2	427.8	417.0
60°	471.1	456.8	422.5	391.1	380.4
62.5°	432.3	418.6	385.1	354.5	344.4
65°	375.8	362.4	330.9	301.3	292.4
67.5°	319.9	308.4	277.4	250.2	243.1
70°	283.2	272.5	242.9	218.0	210.8
72.5°	248.0	236.6	208.4	187.2	182.2
75°	194.3	183.6	161.3	144.8	142.1
77.5°	145.2	136.4	117.1	107.8	106.3
80°	113.7	105.6	90.7	84.3	84.3
82.5°	84.3	77.7	68.0	65.3	65.3
85°	44.0	40.4	38.5	38.5	38.5
87.5°	13.2	13.2	12.5	11.9	11.7
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	16.11	16.93	17.10	17.93	19.25	15.03	15.85	16.02	16.85	18.17
	3H	17.77	18.50	18.77	19.51	20.86	16.44	17.17	17.44	18.18	19.53
	4H	18.40	19.09	19.41	20.11	21.46	16.95	17.65	17.97	18.66	20.02
	6H	18.78	19.42	19.81	20.44	21.81	17.27	17.91	18.29	18.93	20.29
	8H	18.92	19.53	19.95	20.56	21.92	17.39	18.00	18.42	19.03	20.40
	12H	18.98	19.56	20.02	20.59	21.98	17.47	18.04	18.50	19.07	20.46
4H	2H	16.51	17.20	17.53	18.22	19.57	15.65	16.35	16.67	17.36	18.71
	3H	18.40	18.97	19.43	20.02	21.38	17.27	17.84	18.30	18.89	20.25
	4H	19.14	19.67	20.18	20.71	22.10	17.87	18.40	18.91	19.43	20.82
	6H	19.64	20.10	20.69	21.16	22.54	18.28	18.74	19.33	19.79	21.18
	8H	19.83	20.26	20.88	21.31	22.71	18.45	18.88	19.50	19.93	21.33
	12H	19.93	20.31	20.99	21.38	22.78	18.55	18.94	19.62	20.00	21.41
8H	4H	19.27	19.69	20.32	20.74	22.14	18.13	18.55	19.18	19.60	21.00
	6H	19.89	20.24	20.96	21.33	22.73	18.66	19.01	19.73	20.10	21.50
	8H	20.16	20.47	21.24	21.55	22.96	18.91	19.22	19.99	20.29	21.71
	12H	20.32	20.59	21.41	21.67	23.12	19.08	19.35	20.16	20.43	21.88
12H	4H	19.24	19.62	20.31	20.69	22.09	18.13	18.51	19.20	19.58	20.98
	6H	19.90	20.21	20.98	21.29	22.70	18.71	19.02	19.79	20.10	21.51
	8H	20.20	20.47	21.28	21.54	23.00	18.99	19.26	20.08	20.34	21.79