

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: P1439231

Luminaire Tested: CB3-085U-055D-830-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439231
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

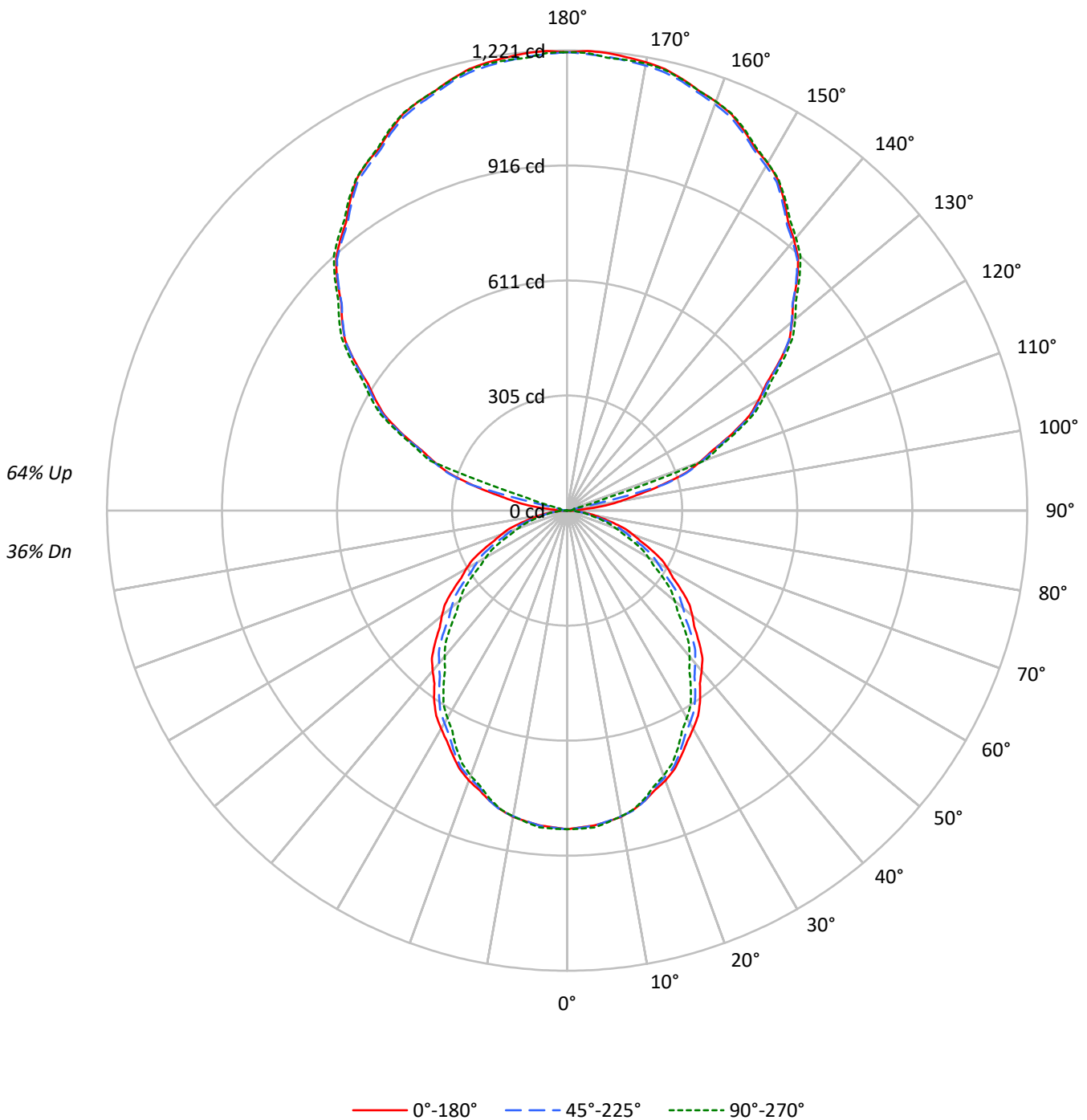
Lumens per Lamp: N/A
Luminaire Lumens: 5613.8 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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				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	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°	9566	9566	9566
5°	9521	9528	9583
10°	9480	9466	9466
15°	9333	9333	9277
20°	9182	9088	9009
25°	8951	8839	8682
30°	8731	8504	8300
35°	8502	8187	7897
40°	8194	7805	7468
45°	7917	7466	7005
50°	7632	7060	6553
55°	7320	6669	6125
60°	6986	6264	5639
65°	6591	5804	5130
70°	6140	5263	4569
75°	5565	4621	4070
80°	4854	3870	3597
85°	3739	3271	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7917 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.8	1.4
10°-20°	224.1	4.0
20°-30°	325.6	5.8
30°-40°	370.2	6.6
40°-50°	359.4	6.4
50°-60°	303.4	5.4
60°-70°	215.9	3.8
70°-80°	115.4	2.1
80°-90°	30.5	0.5
90°-100°	28.1	0.5
100°-110°	203.4	3.6
110°-120°	483.6	8.6
120°-130°	617.8	11.0
130°-140°	666.4	11.9
140°-150°	628.3	11.2
150°-160°	512.5	9.1
160°-170°	333.9	5.9
170°-180°	115.4	2.1
0°-30°	629.5	11.2
0°-40°	999.7	17.8
0°-60°	1662.5	29.6
0°-90°	2024.2	36.1
90°-120°	715.1	12.7
90°-150°	2627.6	46.8
90°-180°	3590.0	63.9
0°-180°	5613.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	846	846	846	846	846	
5°	838	849	839	838	844	80
15°	797	804	797	792	792	224
25°	717	719	708	698	695	330
35°	616	610	593	575	572	384
45°	495	487	467	444	438	382
55°	371	361	338	316	310	332
65°	246	237	217	197	192	244
75°	127	120	106	95	93	136
85°	29	26	25	25	25	34
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°	845.5	845.5	845.5	845.5	845.5
2.5°	841.2	849.6	842.1	843.1	845.0
5°	838.3	848.8	838.9	837.8	843.7
7.5°	831.8	841.4	831.1	828.7	834.0
10°	825.1	835.6	823.9	820.9	823.9
12.5°	813.1	824.1	814.7	809.9	812.3
15°	796.8	803.9	796.8	792.0	792.0
17.5°	777.0	784.4	771.1	767.8	766.5
20°	762.6	769.1	754.8	750.0	748.2
22.5°	743.4	749.4	737.5	729.3	727.1
25°	717.0	719.3	708.0	698.3	695.4
27.5°	690.4	691.0	675.4	663.7	659.8
30°	668.3	668.9	650.9	638.3	635.3
32.5°	646.2	644.5	627.4	612.3	610.3
35°	615.5	609.6	592.7	575.2	571.7
37.5°	578.4	574.9	554.8	537.3	532.0
40°	554.8	549.0	528.4	510.9	505.6
42.5°	531.3	524.5	503.4	484.0	478.2
45°	494.8	487.2	466.6	444.2	437.8
47.5°	458.1	449.7	427.1	405.4	398.2
50°	433.6	424.7	401.1	379.9	372.3
52.5°	408.6	399.3	375.7	354.0	347.8
55°	371.1	361.1	338.1	316.3	310.5
57.5°	333.6	323.8	300.8	280.3	273.2
60°	308.7	299.3	276.8	256.2	249.2
62.5°	283.2	274.3	252.3	232.2	225.7
65°	246.2	237.4	216.8	197.4	191.6
67.5°	209.6	202.1	181.7	163.9	159.2
70°	185.6	178.5	159.1	142.8	138.1
72.5°	162.5	155.0	136.6	122.7	119.4
75°	127.3	120.3	105.7	94.8	93.1
77.5°	95.1	89.4	76.7	70.6	69.7
80°	74.5	69.2	59.4	55.2	55.2
82.5°	55.2	50.9	44.6	42.8	42.8
85°	28.8	26.5	25.2	25.2	25.2
87.5°	8.6	8.6	8.2	7.9	7.7
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	13.55	14.29	14.62	15.36	16.82	12.47	13.21	13.54	14.28	15.74
	3H	15.20	15.87	16.28	16.95	18.42	13.87	14.53	14.95	15.61	17.09
	4H	15.83	16.46	16.92	17.54	19.02	14.38	15.01	15.47	16.09	17.58
	6H	16.21	16.79	17.31	17.87	19.36	14.69	15.27	15.79	16.36	17.85
	8H	16.34	16.89	17.44	17.99	19.48	14.81	15.37	15.92	16.46	17.95
	12H	16.40	16.93	17.51	18.02	19.53	14.89	15.41	15.99	16.50	18.01
4H	2H	13.94	14.57	15.04	15.65	17.13	13.08	13.71	14.18	14.79	16.27
	3H	15.82	16.34	16.92	17.45	18.94	14.69	15.21	15.79	16.32	17.81
	4H	16.56	17.04	17.67	18.14	19.66	15.29	15.77	16.40	16.87	18.38
	6H	17.06	17.47	18.17	18.59	20.10	15.69	16.11	16.81	17.23	18.74
	8H	17.25	17.63	18.36	18.74	20.27	15.86	16.25	16.98	17.36	18.88
	12H	17.34	17.69	18.47	18.81	20.34	15.96	16.31	17.09	17.44	18.97
8H	4H	16.68	17.07	17.80	18.18	19.70	15.54	15.93	16.66	17.04	18.56
	6H	17.30	17.61	18.43	18.77	20.29	16.06	16.38	17.20	17.54	19.06
	8H	17.57	17.85	18.71	18.98	20.52	16.32	16.59	17.46	17.73	19.27
	12H	17.73	17.97	18.88	19.10	20.68	16.49	16.73	17.63	17.86	19.44
12H	4H	16.65	17.00	17.78	18.12	19.65	15.54	15.89	16.67	17.01	18.54
	6H	17.31	17.59	18.45	18.72	20.27	16.12	16.40	17.26	17.53	19.08
	8H	17.61	17.85	18.75	18.98	20.56	16.40	16.64	17.55	17.77	19.35