

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: P1439504

Luminaire Tested: CB3-D-030U-030D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439504
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-030U-030D-940-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

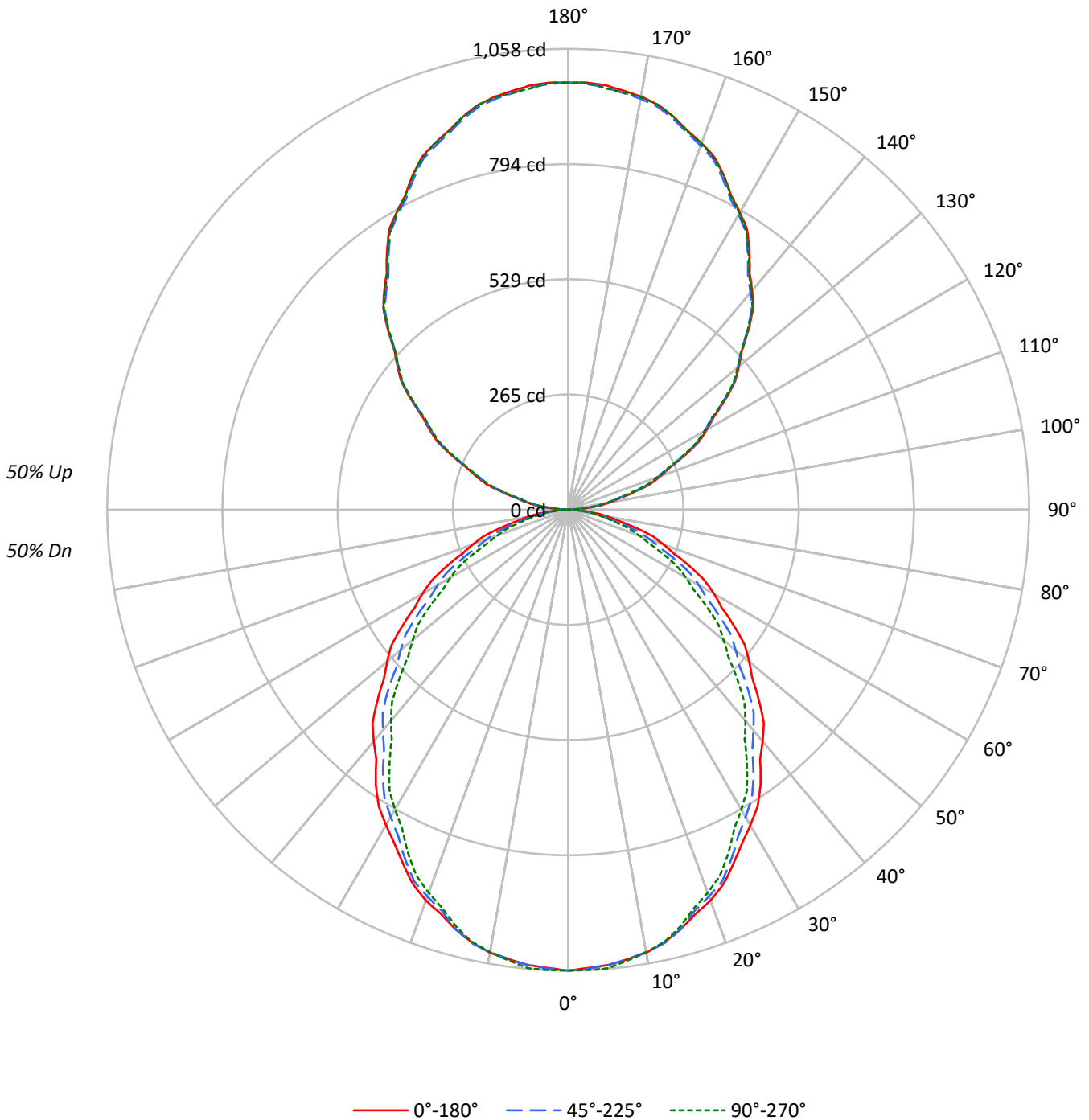
Lumens per Lamp: N/A
Luminaire Lumens: 5059.3 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 34.6
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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50				
1	98	94	90	86	90	87	83	80	73	71	69	61	60	58	50	49	48	43				
2	89	82	76	71	82	76	71	66	64	61	57	54	51	49	44	42	41	36				
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35	31				
4	75	64	56	50	69	59	53	47	51	46	41	43	39	36	35	32	30	26				
5	69	57	49	43	63	53	46	41	46	40	36	38	34	31	32	29	26	23				
6	63	51	43	38	58	48	41	35	41	35	31	35	30	27	29	26	23	20				
7	59	46	38	33	54	43	36	31	37	32	28	32	27	24	26	23	21	18				
8	54	42	34	29	50	39	32	28	34	29	25	29	25	22	24	21	19	16				
9	51	39	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17	15				
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	13				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5987	5987	5987
5°	5959	5963	6001
10°	5932	5924	5924
15°	5842	5842	5806
20°	5747	5689	5634
25°	5598	5527	5429
30°	5461	5319	5191
35°	5317	5120	4938
40°	5125	4882	4670
45°	4952	4669	4380
50°	4773	4416	4099
55°	4578	4171	3830
60°	4369	3918	3527
65°	4122	3629	3207
70°	3839	3292	2857
75°	3480	2890	2544
80°	3033	2424	2251
85°	2343	2045	2045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4952 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.9	2.0
10°-20°	280.5	5.5
20°-30°	407.4	8.1
30°-40°	463.0	9.2
40°-50°	449.5	8.9
50°-60°	379.5	7.5
60°-70°	270.0	5.3
70°-80°	144.3	2.9
80°-90°	38.1	0.8
90°-100°	41.4	0.8
100°-110°	162.1	3.2
110°-120°	288.9	5.7
120°-130°	391.0	7.7
130°-140°	449.5	8.9
140°-150°	451.1	8.9
150°-160°	387.9	7.7
160°-170°	262.6	5.2
170°-180°	92.6	1.8
0°-30°	787.7	15.6
0°-40°	1250.8	24.7
0°-60°	2079.8	41.1
0°-90°	2532.2	50.1
90°-120°	492.5	9.7
90°-150°	1784.0	35.3
90°-180°	2527.0	49.9
0°-180°	5059.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1058	1058	1058	1058	1058	
5°	1049	1062	1050	1049	1057	100
15°	997	1006	997	991	991	281
25°	897	900	886	873	870	413
35°	770	762	741	719	715	480
45°	619	609	584	556	548	477
55°	464	452	423	396	388	415
65°	308	297	271	247	240	305
75°	159	150	132	119	116	170
85°	36	33	32	32	32	43
90°	0	0	0	0	0	3
95°	40	36	32	30	31	45
105°	157	156	151	149	147	168
115°	295	296	290	289	288	292
125°	439	444	435	434	435	393
135°	585	591	581	577	583	451
145°	725	731	719	715	722	453
155°	846	853	839	836	844	389
165°	934	942	929	924	934	263
175°	978	987	974	968	971	93
180°	980	980	980	980	980	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1058.3	1058.3	1058.3	1058.3	1058.3
2.5°	1052.9	1063.4	1054.1	1055.3	1057.7
5°	1049.3	1062.5	1050.0	1048.7	1056.8
7.5°	1041.2	1053.2	1040.3	1037.3	1043.9
10°	1032.7	1046.0	1031.2	1027.6	1031.2
12.5°	1017.7	1031.5	1019.8	1013.7	1016.8
15°	997.4	1006.3	997.4	991.4	991.4
17.5°	972.7	981.9	965.3	961.1	959.3
20°	954.6	962.7	944.9	938.8	935.9
22.5°	930.6	938.1	923.2	912.4	909.4
25°	896.8	899.7	885.5	873.4	869.8
27.5°	863.6	864.3	844.8	830.1	825.3
30°	836.0	836.7	814.2	798.3	794.6
32.5°	808.3	806.1	784.7	765.9	763.4
35°	769.9	762.5	741.3	719.4	715.0
37.5°	723.4	719.0	694.0	672.1	665.5
40°	694.0	686.7	661.0	639.0	632.4
42.5°	664.6	656.0	629.7	605.4	598.2
45°	618.9	609.3	583.6	555.6	547.5
47.5°	572.9	562.5	534.2	507.1	498.1
50°	542.3	531.3	501.7	475.2	465.7
52.5°	511.0	499.4	469.9	442.8	435.0
55°	464.2	451.7	422.9	395.7	388.3
57.5°	417.3	405.0	376.3	350.6	341.7
60°	386.1	374.3	346.3	320.5	311.7
62.5°	354.2	343.0	315.6	290.5	282.3
65°	307.9	296.9	271.1	246.9	239.6
67.5°	262.1	252.7	227.3	205.1	199.2
70°	232.1	223.3	199.0	178.6	172.7
72.5°	203.2	193.8	170.8	153.4	149.3
75°	159.2	150.4	132.2	118.6	116.4
77.5°	119.0	111.8	96.0	88.3	87.1
80°	93.1	86.5	74.4	69.1	69.1
82.5°	69.1	63.7	55.7	53.5	53.5
85°	36.1	33.1	31.5	31.5	31.5
87.5°	10.8	10.8	10.2	9.6	9.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	10.8	9.7	6.0	4.8	4.8
95°	39.8	36.2	32.3	30.1	30.8
97.5°	73.5	70.0	65.3	63.0	63.6
100°	97.0	94.0	88.7	86.5	86.5
102.5°	119.8	118.1	112.8	110.5	111.1
105°	157.1	156.4	151.1	148.8	147.4
107.5°	198.3	197.0	191.1	190.9	189.6
110°	224.8	224.1	218.8	218.0	217.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	251.9	252.9	247.1	246.3	245.6
115°	294.7	296.2	289.5	288.7	288.0
117.5°	338.6	340.7	333.5	332.7	331.4
120°	366.9	371.3	362.4	361.6	360.9
122.5°	395.8	399.6	391.3	389.9	389.8
125°	439.1	444.2	435.3	433.8	434.6
127.5°	482.4	487.7	479.4	476.4	478.0
130°	511.2	517.1	508.2	505.3	507.5
132.5°	540.7	546.6	537.7	534.8	538.2
135°	584.9	590.8	581.2	576.8	582.7
137.5°	628.1	633.2	622.7	619.7	625.8
140°	656.4	661.5	650.3	646.7	654.1
142.5°	684.0	689.8	677.4	673.8	681.8
145°	724.8	730.7	718.8	715.1	721.8
147.5°	763.9	769.9	757.9	753.6	760.4
150°	787.9	794.5	781.9	778.3	785.7
152.5°	811.4	818.6	805.4	801.2	810.3
155°	845.8	853.2	839.1	835.5	844.3
157.5°	876.8	883.6	870.8	867.2	874.8
160°	895.4	902.8	889.4	885.9	894.7
162.5°	911.7	919.0	906.9	902.1	910.9
165°	933.8	941.9	929.3	924.2	933.8
167.5°	952.3	961.0	947.6	943.0	952.6
170°	963.1	971.2	957.8	952.0	961.6
172.5°	970.3	978.4	965.1	959.2	965.8
175°	978.1	987.0	973.6	967.7	971.4
177.5°	981.6	988.7	978.0	972.8	981.0
180°	980.4	980.4	980.4	980.4	980.4



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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	13.37	14.22	14.33	15.19	16.46	12.29	13.14	13.25	14.11	15.39
	3H	15.03	15.80	16.00	16.78	18.07	13.70	14.47	14.67	15.45	16.74
	4H	15.66	16.39	16.65	17.37	18.67	14.22	14.94	15.20	15.93	17.23
	6H	16.05	16.71	17.04	17.70	19.02	14.54	15.20	15.53	16.19	17.51
	8H	16.19	16.82	17.19	17.83	19.14	14.66	15.29	15.66	16.30	17.61
	12H	16.25	16.85	17.26	17.86	19.19	14.73	15.34	15.74	16.34	17.67
4H	2H	13.78	14.50	14.77	15.48	16.78	12.92	13.64	13.91	14.62	15.93
	3H	15.66	16.26	16.66	17.28	18.60	14.53	15.14	15.53	16.15	17.47
	4H	16.41	16.96	17.42	17.97	19.31	15.14	15.69	16.15	16.70	18.04
	6H	16.91	17.39	17.93	18.42	19.75	15.55	16.02	16.57	17.06	18.39
	8H	17.10	17.55	18.12	18.57	19.92	15.72	16.16	16.74	17.19	18.54
	12H	17.20	17.60	18.24	18.64	20.00	15.83	16.23	16.87	17.26	18.62
8H	4H	16.54	16.98	17.56	18.01	19.36	15.40	15.84	16.42	16.87	18.22
	6H	17.16	17.52	18.20	18.59	19.94	15.93	16.29	16.97	17.36	18.71
	8H	17.44	17.76	18.49	18.81	20.18	16.18	16.50	17.23	17.55	18.92
	12H	17.60	17.88	18.65	18.93	20.34	16.36	16.64	17.41	17.69	19.10
12H	4H	16.51	16.91	17.55	17.95	19.31	15.40	15.80	16.44	16.84	18.20
	6H	17.18	17.50	18.23	18.55	19.92	15.99	16.31	17.04	17.36	18.73
	8H	17.48	17.76	18.53	18.80	20.21	16.27	16.55	17.32	17.60	19.01