

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: P1439108

Luminaire Tested: CB3-030U-030D-835-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439108
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: CB3-030U-030D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

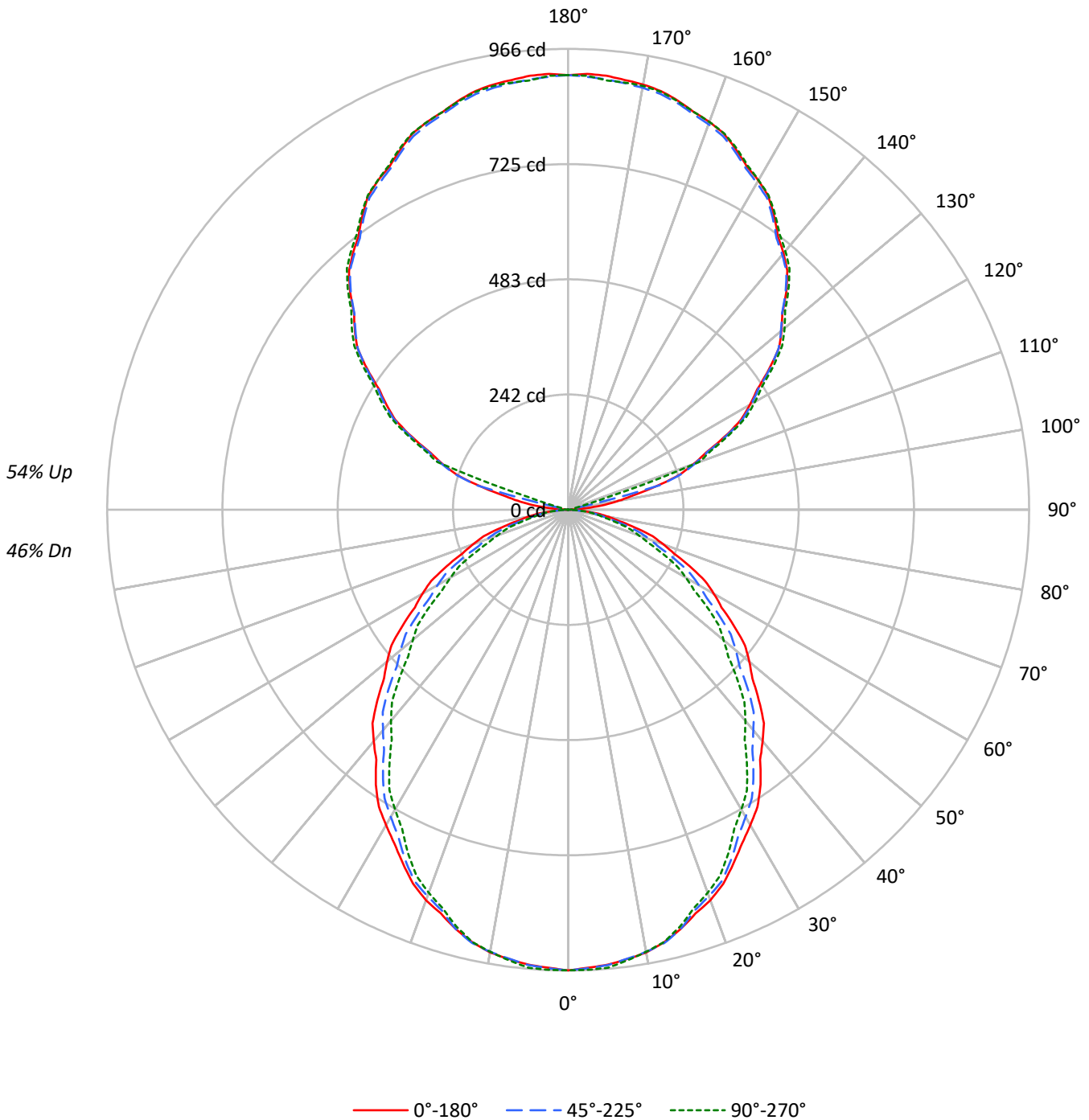
Lumens per Lamp: N/A
Luminaire Lumens: 5000.9 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

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	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	34	32	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°	5463	5463	5463
5°	5438	5442	5473
10°	5414	5406	5406
15°	5331	5331	5299
20°	5244	5191	5145
25°	5112	5048	4958
30°	4987	4857	4741
35°	4855	4676	4510
40°	4681	4458	4265
45°	4522	4264	4000
50°	4358	4033	3742
55°	4181	3809	3497
60°	3988	3578	3220
65°	3764	3314	2929
70°	3505	3007	2610
75°	3178	2638	2324
80°	2769	2212	2056
85°	2136	1869	1869

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4522 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	1.8
10°-20°	256.0	5.1
20°-30°	371.9	7.4
30°-40°	422.9	8.5
40°-50°	410.5	8.2
50°-60°	346.6	6.9
60°-70°	246.6	4.9
70°-80°	131.7	2.6
80°-90°	34.8	0.7
90°-100°	21.0	0.4
100°-110°	152.4	3.0
110°-120°	362.3	7.2
120°-130°	462.8	9.3
130°-140°	499.2	10.0
140°-150°	470.6	9.4
150°-160°	383.9	7.7
160°-170°	250.1	5.0
170°-180°	86.5	1.7
0°-30°	719.0	14.4
0°-40°	1141.9	22.8
0°-60°	1899.0	38.0
0°-90°	2312.1	46.2
90°-120°	535.7	10.7
90°-150°	1968.3	39.4
90°-180°	2689.0	53.8
0°-180°	5000.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	966	966	966	966	966	
5°	958	970	958	957	964	91
15°	910	918	910	905	905	256
25°	819	822	809	798	794	377
35°	703	696	677	657	653	438
45°	565	556	533	507	500	436
55°	424	412	386	361	355	379
65°	281	271	248	226	219	279
75°	145	137	121	108	106	155
85°	33	30	29	29	29	39
90°	0	0	0	1	0	3
95°	38	7	9	10	10	47
105°	193	196	198	14	15	203
115°	362	364	365	371	373	357
125°	514	518	516	522	525	459
135°	646	649	644	649	653	498
145°	752	756	747	752	756	470
155°	833	840	828	830	836	384
165°	888	892	883	880	886	251
175°	913	918	906	901	904	87
180°	911	911	911	911	911	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	965.7	965.7	965.7	965.7	965.7
2.5°	960.8	970.4	961.9	963.0	965.2
5°	957.5	969.6	958.2	957.0	963.7
7.5°	950.1	961.1	949.3	946.5	952.6
10°	942.4	954.5	941.0	937.7	941.0
12.5°	928.7	941.3	930.6	925.0	927.9
15°	910.2	918.2	910.2	904.7	904.7
17.5°	887.5	896.0	880.8	876.9	875.5
20°	871.1	878.5	862.2	856.6	854.6
22.5°	849.1	856.0	842.4	833.0	830.5
25°	818.9	821.6	808.7	797.6	794.3
27.5°	788.6	789.3	771.5	758.1	753.7
30°	763.4	764.1	743.5	729.0	725.7
32.5°	738.2	736.1	716.6	699.4	697.1
35°	703.0	696.3	677.0	657.0	653.0
37.5°	660.6	656.6	633.8	613.7	607.7
40°	633.8	627.1	603.6	583.6	577.5
42.5°	606.9	599.1	575.0	552.8	546.2
45°	565.2	556.5	532.9	507.4	500.0
47.5°	523.2	513.7	487.8	463.1	454.9
50°	495.2	485.2	458.2	434.0	425.2
52.5°	466.7	456.1	429.1	404.4	397.3
55°	423.9	412.5	386.2	361.3	354.6
57.5°	381.1	369.8	343.6	320.1	312.1
60°	352.5	341.8	316.2	292.7	284.6
62.5°	323.5	313.3	288.2	265.3	257.8
65°	281.2	271.2	247.6	225.5	218.8
67.5°	239.4	230.8	207.5	187.3	181.9
70°	211.9	203.9	181.8	163.1	157.8
72.5°	185.6	177.0	156.0	140.1	136.4
75°	145.4	137.4	120.7	108.3	106.3
77.5°	108.6	102.1	87.7	80.6	79.6
80°	85.0	79.0	67.9	63.1	63.1
82.5°	63.1	58.1	50.9	48.8	48.8
85°	32.9	30.2	28.8	28.8	28.8
87.5°	9.9	9.9	9.3	8.9	8.8
90°	0.0	0.0	0.0	0.7	0.0
92.5°	10.4	4.0	3.3	4.0	3.8
95°	38.4	6.9	8.9	9.6	9.6
97.5°	77.4	76.0	10.4	12.5	12.6
100°	107.1	110.5	11.0	13.1	13.7
102.5°	140.1	142.9	20.3	13.6	14.3
105°	192.9	195.6	198.4	14.4	15.1
107.5°	245.5	247.5	249.4	224.5	84.0
110°	280.1	282.1	282.9	289.8	291.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	312.5	315.1	316.4	322.2	324.6
115°	361.8	364.5	365.3	370.8	372.8
117.5°	408.6	411.5	412.8	417.2	420.5
120°	439.4	442.8	443.5	449.1	451.8
122.5°	469.6	473.5	473.2	478.2	482.0
125°	514.2	517.6	516.3	521.9	525.2
127.5°	556.7	558.7	555.8	562.6	565.5
130°	583.6	585.6	582.2	588.5	591.8
132.5°	608.3	611.4	607.5	613.2	616.5
135°	646.1	649.4	644.0	648.9	652.9
137.5°	679.7	683.7	677.2	682.9	686.4
140°	701.7	705.7	697.6	703.8	707.9
142.5°	722.0	727.1	717.3	723.1	727.6
145°	751.8	756.5	747.0	751.9	755.9
147.5°	780.1	784.1	775.0	778.5	781.3
150°	797.1	801.1	790.9	794.4	797.8
152.5°	810.8	816.5	806.3	808.8	813.7
155°	832.8	839.5	828.0	830.2	835.6
157.5°	853.0	859.0	847.5	849.4	854.1
160°	865.1	871.1	859.6	860.4	865.1
162.5°	874.4	879.9	870.0	868.6	874.4
165°	887.7	892.4	882.9	880.3	886.4
167.5°	898.9	904.2	892.5	890.4	897.2
170°	904.9	910.3	898.0	894.8	902.2
172.5°	908.7	913.6	901.9	897.5	903.3
175°	913.1	917.8	905.6	900.8	903.5
177.5°	914.4	918.1	908.3	904.1	910.5
180°	911.1	911.1	911.1	911.1	911.1



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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	12.69	13.51	13.68	14.51	15.83	11.61	12.43	12.60	13.43	14.76
	3H	14.35	15.09	15.35	16.10	17.44	13.02	13.75	14.02	14.76	16.11
	4H	14.98	15.67	16.00	16.69	18.04	13.54	14.23	14.55	15.24	16.60
	6H	15.36	16.00	16.39	17.02	18.39	13.85	14.49	14.88	15.51	16.88
	8H	15.50	16.11	16.53	17.14	18.50	13.97	14.58	15.00	15.62	16.98
	12H	15.57	16.14	16.60	17.17	18.56	14.05	14.63	15.08	15.65	17.04
4H	2H	13.09	13.79	14.11	14.80	16.15	12.23	12.93	13.25	13.94	15.29
	3H	14.98	15.56	16.01	16.60	17.97	13.85	14.43	14.88	15.47	16.84
	4H	15.72	16.25	16.76	17.29	18.68	14.45	14.98	15.49	16.02	17.41
	6H	16.22	16.68	17.27	17.74	19.12	14.86	15.32	15.91	16.38	17.76
	8H	16.41	16.84	17.46	17.89	19.29	15.03	15.46	16.08	16.51	17.91
	12H	16.51	16.89	17.58	17.96	19.36	15.14	15.52	16.20	16.58	17.99
8H	4H	15.85	16.28	16.90	17.33	18.73	14.71	15.14	15.76	16.19	17.59
	6H	16.47	16.82	17.54	17.91	19.31	15.24	15.59	16.31	16.68	18.08
	8H	16.74	17.05	17.82	18.13	19.54	15.49	15.80	16.57	16.87	18.29
	12H	16.90	17.18	17.99	18.25	19.71	15.66	15.93	16.75	17.01	18.46
12H	4H	15.82	16.21	16.89	17.27	18.68	14.71	15.10	15.78	16.16	17.57
	6H	16.48	16.79	17.56	17.87	19.29	15.29	15.60	16.37	16.68	18.10
	8H	16.78	17.05	17.86	18.12	19.58	15.57	15.85	16.66	16.92	18.38