

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: P1439522

Luminaire Tested: CB3-D-030U-120D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439522  
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-120D-927-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

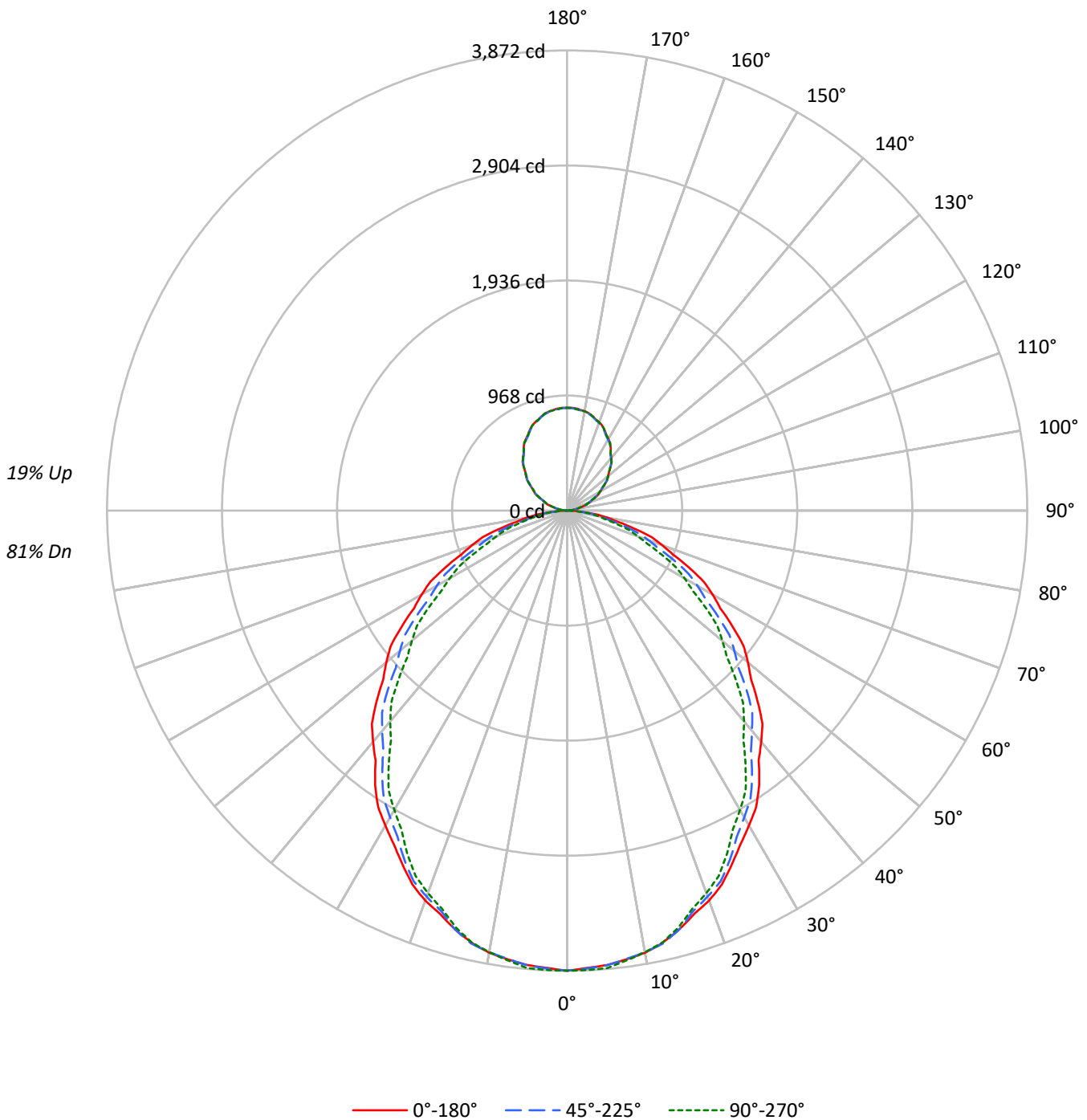
Lumens per Lamp: N/A  
Luminaire Lumens: 11496.4 lumens  
Efficiency: N/A  
Efficacy: 121.5 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 94.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	114	114	114	114	110	110	110	110	100	100	100	92	92	92	84	84	84	81				
1	105	101	97	93	100	96	93	90	89	86	83	82	79	77	75	73	72	69				
2	96	88	82	77	91	85	79	74	78	73	70	72	68	65	66	63	61	58				
3	88	78	70	64	84	75	68	62	69	64	59	64	59	55	59	55	52	49				
4	80	69	61	55	77	67	59	53	62	55	51	57	52	48	53	49	45	43				
5	74	62	54	47	71	60	52	46	56	49	44	52	46	42	48	43	40	37				
6	68	56	47	41	65	54	46	41	50	44	39	47	41	37	44	39	35	33				
7	64	51	42	37	61	49	41	36	46	39	34	43	37	33	40	35	31	29				
8	59	46	38	33	57	45	37	32	42	35	31	39	34	29	37	32	28	26				
9	55	43	35	29	53	41	34	29	39	32	28	36	31	27	34	29	26	24				
10	52	39	32	27	50	38	31	26	36	30	25	34	28	24	32	27	23	22				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	21903	21903	21903
5°	21800	21815	21944
10°	21704	21672	21672
15°	21372	21372	21243
20°	21024	20809	20623
25°	20490	20233	19873
30°	19989	19468	19001
35°	19462	18740	18076
40°	18760	17867	17096
45°	18125	17091	16035
50°	17470	16163	15002
55°	16759	15266	14020
60°	15989	14340	12910
65°	15089	13286	11740
70°	14051	12052	10459
75°	12739	10577	9314
80°	11106	8868	8239
85°	8568	7497	7497

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 18125 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	365.3	3.2
10°-20°	1026.3	8.9
20°-30°	1490.9	13.0
30°-40°	1694.9	14.7
40°-50°	1645.4	14.3
50°-60°	1389.2	12.1
60°-70°	988.4	8.6
70°-80°	528.1	4.6
80°-90°	139.5	1.2
90°-100°	36.5	0.3
100°-110°	142.9	1.2
110°-120°	254.8	2.2
120°-130°	344.8	3.0
130°-140°	396.4	3.4
140°-150°	397.7	3.5
150°-160°	342.1	3.0
160°-170°	231.5	2.0
170°-180°	81.7	0.7
0°-30°	2882.5	25.1
0°-40°	4577.4	39.8
0°-60°	7612.0	66.2
0°-90°	9268.0	80.6
90°-120°	434.2	3.8
90°-150°	1573.1	13.7
90°-180°	2228.0	19.4
0°-180°	11496.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3872	3872	3872	3872	3872	
5°	3839	3887	3841	3836	3864	364
15°	3649	3681	3649	3627	3627	1028
25°	3283	3293	3241	3197	3184	1513
35°	2818	2791	2714	2633	2617	1756
45°	2265	2230	2136	2034	2004	1747
55°	1699	1653	1548	1448	1421	1519
65°	1127	1087	992	904	877	1116
75°	583	551	484	434	426	621
85°	132	121	116	116	116	156
90°	0	0	0	0	0	7
95°	35	32	28	26	27	40
105°	139	138	133	131	130	148
115°	260	261	255	255	254	258
125°	387	392	384	383	383	346
135°	516	521	512	509	514	398
145°	639	644	634	631	636	399
155°	746	752	740	737	744	343
165°	823	831	819	815	823	232
175°	862	870	859	853	857	82
180°	864	864	864	864	864	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3871.6	3871.6	3871.6	3871.6	3871.6
2.5°	3851.9	3890.6	3856.2	3860.8	3869.4
5°	3838.7	3887.0	3841.4	3836.5	3864.1
7.5°	3809.0	3853.0	3805.7	3794.7	3818.9
10°	3778.2	3826.6	3772.7	3759.2	3772.7
12.5°	3723.2	3773.7	3730.9	3708.6	3719.9
15°	3649.0	3681.2	3649.0	3627.0	3627.0
17.5°	3558.2	3592.1	3531.3	3515.8	3509.7
20°	3492.2	3521.8	3456.5	3434.3	3425.6
22.5°	3404.3	3431.7	3377.3	3339.2	3328.8
25°	3282.6	3293.4	3241.4	3197.1	3183.7
27.5°	3161.1	3163.8	3092.4	3038.6	3020.9
30°	3059.9	3062.6	2980.2	2922.2	2908.7
32.5°	2958.8	2950.7	2872.4	2803.5	2794.4
35°	2818.0	2791.1	2713.5	2633.4	2617.3
37.5°	2648.1	2632.0	2540.3	2460.1	2435.9
40°	2540.3	2513.5	2419.4	2339.1	2314.9
42.5°	2432.6	2401.4	2305.0	2215.9	2189.5
45°	2265.4	2230.5	2136.2	2033.8	2004.2
47.5°	2097.1	2059.0	1955.3	1856.1	1823.3
50°	1985.0	1944.7	1836.5	1739.5	1704.6
52.5°	1870.6	1828.1	1719.9	1620.9	1592.4
55°	1699.1	1653.4	1547.8	1448.3	1421.4
57.5°	1527.5	1482.3	1377.4	1283.2	1250.9
60°	1413.1	1370.1	1267.4	1173.2	1141.0
62.5°	1296.6	1255.7	1155.2	1063.3	1033.2
65°	1127.2	1086.9	992.5	903.9	877.0
67.5°	959.5	925.1	831.9	750.6	729.1
70°	849.5	817.3	728.6	653.8	632.3
72.5°	744.0	709.5	625.2	561.6	546.6
75°	582.8	550.6	483.9	434.2	426.1
77.5°	435.5	409.1	351.4	323.2	318.9
80°	340.9	316.7	272.2	252.9	252.9
82.5°	252.9	233.0	204.0	195.7	195.7
85°	132.0	121.2	115.5	115.5	115.5
87.5°	39.6	39.6	37.4	35.2	35.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.5	8.5	5.3	4.2	4.2
95°	35.1	31.9	28.5	26.5	27.2
97.5°	64.8	61.7	57.5	55.6	56.1
100°	85.5	82.9	78.2	76.2	76.2
102.5°	105.7	104.1	99.4	97.5	98.0
105°	138.6	137.9	133.3	131.2	129.9
107.5°	174.9	173.7	168.5	168.4	167.2
110°	198.2	197.6	192.9	192.3	191.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	222.1	223.0	217.9	217.2	216.5
115°	259.9	261.2	255.2	254.6	253.9
117.5°	298.6	300.4	294.1	293.4	292.2
120°	323.5	327.4	319.6	318.9	318.2
122.5°	349.0	352.4	345.0	343.8	343.7
125°	387.2	391.7	383.9	382.6	383.2
127.5°	425.4	430.0	422.7	420.1	421.5
130°	450.8	456.0	448.2	445.6	447.5
132.5°	476.8	482.0	474.2	471.6	474.6
135°	515.8	521.0	512.5	508.6	513.8
137.5°	553.9	558.4	549.1	546.4	551.9
140°	578.8	583.3	573.5	570.3	576.8
142.5°	603.2	608.2	597.3	594.2	601.2
145°	639.1	644.3	633.8	630.6	636.5
147.5°	673.6	678.9	668.3	664.6	670.5
150°	694.8	700.6	689.5	686.3	692.8
152.5°	715.5	721.8	710.2	706.5	714.6
155°	745.9	752.3	739.9	736.7	744.5
157.5°	773.2	779.1	767.9	764.7	771.4
160°	789.6	796.1	784.3	781.2	788.9
162.5°	803.9	810.4	799.7	795.5	803.3
165°	823.4	830.6	819.4	815.0	823.4
167.5°	839.7	847.4	835.6	831.6	840.0
170°	849.3	856.4	844.6	839.5	848.0
172.5°	855.6	862.8	851.0	845.8	851.7
175°	862.5	870.3	858.6	853.3	856.6
177.5°	865.6	871.8	862.4	857.8	865.1
180°	864.5	864.5	864.5	864.5	864.5



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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	20.34	21.55	20.98	22.20	22.96	19.26	20.47	19.91	21.12	21.88
	3H	22.03	23.11	22.69	23.78	24.57	20.70	21.78	21.36	22.45	23.24
	4H	22.68	23.70	23.36	24.38	25.18	21.23	22.25	21.91	22.93	23.73
	6H	23.08	24.02	23.77	24.71	25.53	21.57	22.51	22.26	23.20	24.02
	8H	23.23	24.12	23.93	24.83	25.65	21.70	22.60	22.40	23.31	24.13
	12H	23.31	24.16	24.01	24.86	25.71	21.79	22.64	22.49	23.35	24.19
4H	2H	20.79	21.81	21.47	22.49	23.29	19.93	20.95	20.61	21.63	22.43
	3H	22.71	23.56	23.40	24.27	25.10	21.58	22.43	22.27	23.15	23.97
	4H	23.47	24.24	24.18	24.96	25.81	22.20	22.97	22.91	23.69	24.54
	6H	23.99	24.66	24.72	25.40	26.27	22.63	23.30	23.36	24.04	24.91
	8H	24.19	24.82	24.92	25.56	26.43	22.81	23.43	23.54	24.17	25.05
	12H	24.31	24.87	25.06	25.63	26.51	22.93	23.49	23.68	24.26	25.13
8H	4H	23.63	24.25	24.36	24.99	25.87	22.49	23.11	23.22	23.85	24.73
	6H	24.26	24.78	25.02	25.56	26.44	23.03	23.55	23.79	24.33	25.21
	8H	24.54	25.00	25.31	25.78	26.68	23.29	23.75	24.06	24.53	25.42
	12H	24.72	25.12	25.49	25.90	26.85	23.48	23.88	24.25	24.66	25.61
12H	4H	23.62	24.18	24.37	24.94	25.82	22.51	23.07	23.26	23.83	24.71
	6H	24.28	24.74	25.05	25.52	26.42	23.09	23.55	23.87	24.34	25.23
	8H	24.59	25.00	25.37	25.77	26.73	23.39	23.79	24.16	24.57	25.52