

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: P1439001

Luminaire Tested: CB2-D-030U-120D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439001  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-D-030U-120D-927-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

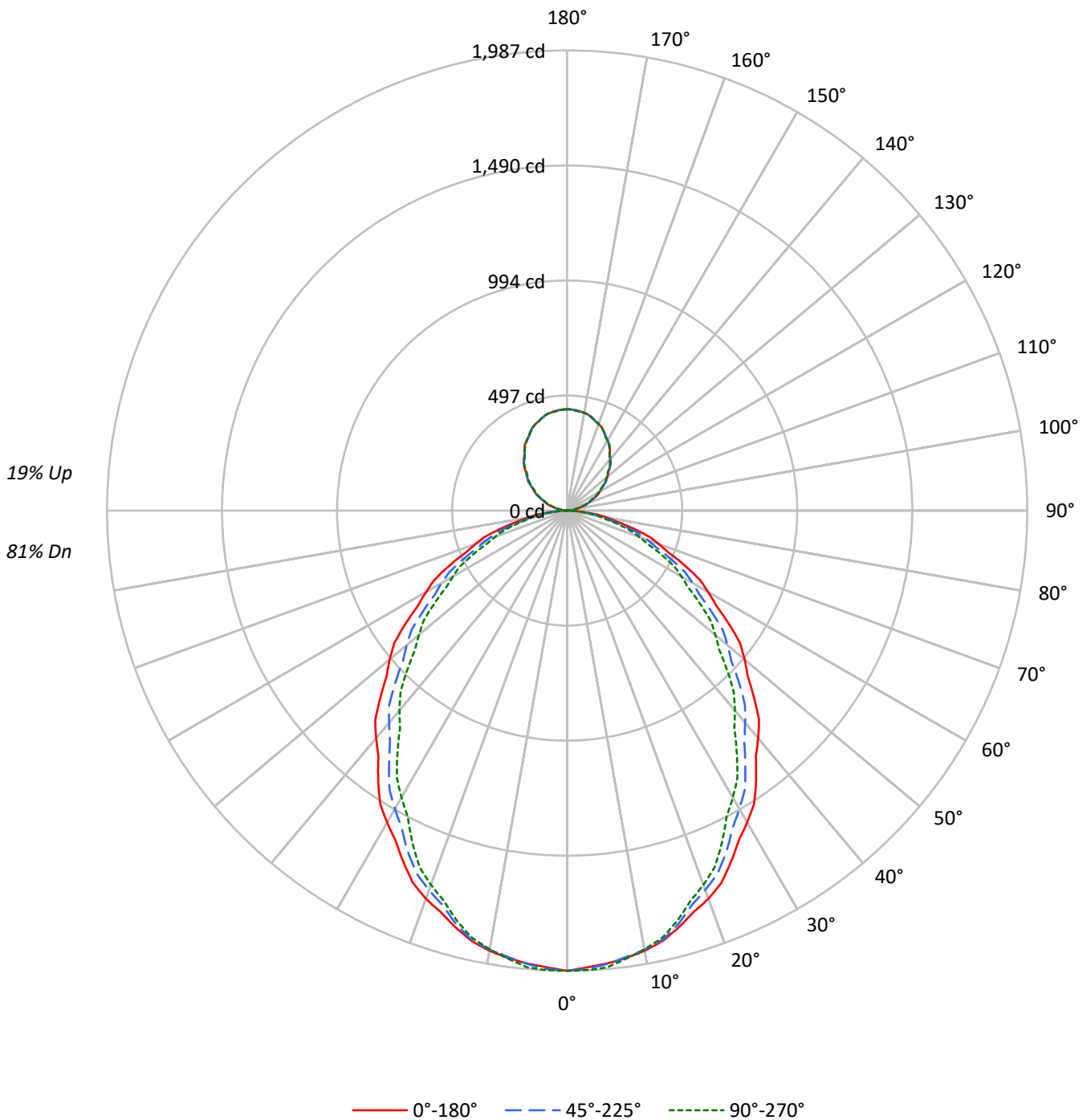
Lumens per Lamp: N/A  
Luminaire Lumens: 5748.6 lumens  
Efficiency: N/A  
Efficacy: 111.4 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 51.6  
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	100	97	93	100	96	93	90	89	86	83	82	79	77	75	73	72	68				
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	56	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	69	56	48	42	65	54	46	41	50	44	39	47	41	37	44	39	35	33				
7	64	51	43	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	36	31	39	34	30	37	32	28	26				
9	55	43	35	30	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°	34613	34613	34613
5°	34321	34373	34613
10°	34125	34044	34017
15°	33584	33366	33090
20°	33056	32322	31871
25°	32167	31262	30384
30°	31276	29900	28768
35°	30252	28505	27146
40°	29167	27193	25602
45°	28073	25824	24100
50°	27088	24493	22636
55°	25875	23103	21256
60°	24489	21786	19877
65°	23017	20318	18500
70°	21388	18674	16739
75°	19455	16898	15155
80°	17402	14805	13741
85°	13389	12170	10032

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 28073 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.9	3.3
10°-20°	520.9	9.1
20°-30°	749.0	13.0
30°-40°	841.9	14.6
40°-50°	813.3	14.1
50°-60°	687.2	12.0
60°-70°	493.6	8.6
70°-80°	269.8	4.7
80°-90°	71.7	1.2
90°-100°	16.9	0.3
100°-110°	69.6	1.2
110°-120°	126.4	2.2
120°-130°	172.0	3.0
130°-140°	198.5	3.5
140°-150°	200.1	3.5
150°-160°	172.6	3.0
160°-170°	117.0	2.0
170°-180°	41.3	0.7
0°-30°	1456.9	25.3
0°-40°	2298.8	40.0
0°-60°	3799.2	66.1
0°-90°	4634.2	80.6
90°-120°	212.9	3.7
90°-150°	783.4	13.6
90°-180°	1114.0	19.4
0°-180°	5748.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1987	1987	1987	1987	1987	
5°	1963	1990	1966	1966	1980	186
15°	1862	1879	1850	1832	1835	525
25°	1674	1675	1627	1590	1581	771
35°	1423	1406	1341	1289	1277	889
45°	1140	1116	1048	993	978	881
55°	852	821	761	713	700	762
65°	558	538	493	458	449	554
75°	289	271	251	231	225	309
85°	67	62	61	53	50	80
90°	0	0	0	0	0	3
95°	16	14	14	11	11	19
105°	69	68	66	62	62	73
115°	131	130	128	124	124	129
125°	195	197	193	188	189	174
135°	259	262	258	253	255	200
145°	321	325	320	316	319	201
155°	376	380	374	372	375	173
165°	416	420	414	412	416	117
175°	435	440	434	432	432	41
180°	437	437	437	437	437	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1987.3	1987.3	1987.3	1987.3	1987.3
2.5°	1973.9	1997.7	1980.0	1982.5	1986.1
5°	1963.0	1989.7	1966.0	1966.3	1979.7
7.5°	1949.0	1974.3	1944.4	1938.9	1951.4
10°	1929.5	1954.8	1924.9	1914.5	1923.4
12.5°	1903.9	1928.0	1899.4	1882.8	1890.5
15°	1862.5	1878.9	1850.4	1832.2	1835.1
17.5°	1817.5	1827.6	1786.4	1771.2	1768.2
20°	1783.4	1792.3	1743.8	1722.5	1719.5
22.5°	1739.6	1747.3	1696.4	1670.1	1665.9
25°	1673.8	1675.3	1626.7	1589.9	1581.0
27.5°	1605.1	1600.3	1546.3	1502.8	1491.2
30°	1555.1	1549.2	1486.7	1440.8	1430.4
32.5°	1501.6	1490.9	1428.2	1378.7	1368.3
35°	1422.8	1406.4	1340.6	1288.6	1276.7
37.5°	1338.8	1320.3	1255.7	1199.1	1185.7
40°	1282.8	1261.9	1196.0	1139.4	1126.0
42.5°	1226.8	1203.6	1136.4	1079.8	1065.2
45°	1139.7	1115.9	1048.4	993.3	978.4
47.5°	1057.0	1026.6	961.1	906.3	891.4
50°	999.7	967.0	903.9	850.3	835.4
52.5°	941.3	907.4	846.7	795.5	780.6
55°	852.1	820.9	760.8	713.4	700.0
57.5°	763.9	733.8	679.0	633.6	620.5
60°	703.0	677.7	625.4	582.5	570.6
62.5°	644.6	621.7	571.8	532.6	520.7
65°	558.5	537.6	493.0	457.8	448.9
67.5°	474.8	453.9	417.9	386.3	376.2
70°	420.0	399.2	366.7	337.6	328.7
72.5°	367.6	345.6	319.2	292.6	286.1
75°	289.1	271.3	251.1	231.2	225.2
77.5°	219.7	202.5	187.8	173.7	172.3
80°	173.5	158.6	147.6	138.4	137.0
82.5°	129.6	118.3	111.1	104.4	104.1
85°	67.0	62.5	60.9	53.2	50.2
87.5°	19.5	19.5	17.1	14.6	14.7
90°	0.0	0.0	0.3	0.0	0.3
92.5°	4.1	3.6	3.3	2.2	2.5
95°	16.4	14.4	13.6	10.6	10.6
97.5°	30.9	28.9	27.8	24.7	24.0
100°	41.2	39.2	38.2	34.7	34.1
102.5°	51.9	50.9	49.1	45.4	44.7
105°	68.8	67.8	66.1	62.4	61.7
107.5°	86.3	86.5	83.9	80.8	79.9
110°	98.8	98.5	96.5	93.4	92.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	111.7	111.1	109.0	105.9	105.2
115°	130.9	130.5	128.2	124.4	124.1
117.5°	149.1	150.2	147.4	143.4	143.3
120°	162.2	163.6	160.2	156.8	156.1
122.5°	175.1	176.7	173.3	169.3	169.5
125°	194.6	196.6	192.6	188.5	188.8
127.5°	213.5	216.0	212.2	208.1	208.5
130°	226.3	229.3	225.3	220.9	221.5
132.5°	239.4	242.4	238.4	233.7	234.9
135°	259.4	262.4	258.0	253.3	254.9
137.5°	278.2	281.2	276.4	272.4	274.4
140°	290.7	293.7	288.7	285.0	287.0
142.5°	303.0	306.5	301.2	297.3	299.8
145°	321.4	325.1	320.0	316.3	318.7
147.5°	338.9	342.5	337.4	333.9	336.3
150°	350.0	353.7	348.3	345.3	348.0
152.5°	360.4	364.6	359.0	356.0	359.4
155°	375.9	379.6	374.2	371.9	374.9
157.5°	389.4	393.7	388.3	386.4	388.8
160°	398.4	402.4	397.1	395.1	397.8
162.5°	405.3	409.5	404.4	402.2	405.4
165°	415.5	419.8	414.5	412.2	415.8
167.5°	423.5	428.1	422.7	420.3	424.1
170°	428.4	432.8	427.1	424.4	428.4
172.5°	431.7	436.3	430.3	427.7	430.3
175°	435.2	439.9	434.2	431.5	432.5
177.5°	436.9	440.7	436.1	433.7	436.9
180°	436.9	436.9	436.9	436.9	436.9



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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	21.78	22.99	22.43	23.64	24.40	20.68	21.89	21.33	22.54	23.30
	3H	23.45	24.53	24.11	25.20	25.99	22.24	23.32	22.89	23.98	24.77
	4H	24.10	25.12	24.77	25.79	26.60	22.83	23.84	23.50	24.52	25.33
	6H	24.52	25.46	25.21	26.15	26.96	23.21	24.15	23.90	24.84	25.66
	8H	24.68	25.57	25.38	26.28	27.10	23.36	24.26	24.07	24.97	25.79
	12H	24.76	25.62	25.47	26.32	27.17	23.44	24.29	24.14	25.00	25.84
4H	2H	22.23	23.25	22.91	23.93	24.73	21.36	22.38	22.04	23.05	23.86
	3H	24.13	24.98	24.82	25.70	26.52	23.12	23.97	23.82	24.69	25.51
	4H	24.89	25.66	25.60	26.38	27.23	23.81	24.58	24.52	25.30	26.15
	6H	25.43	26.10	26.16	26.84	27.70	24.30	24.97	25.03	25.72	26.58
	8H	25.64	26.27	26.38	27.01	27.88	24.50	25.13	25.24	25.87	26.74
	12H	25.77	26.33	26.52	27.09	27.97	24.61	25.17	25.36	25.93	26.81
8H	4H	25.07	25.70	25.81	26.44	27.31	24.11	24.74	24.84	25.48	26.35
	6H	25.73	26.25	26.49	27.03	27.91	24.73	25.25	25.49	26.03	26.91
	8H	26.02	26.48	26.80	27.27	28.16	25.01	25.47	25.78	26.25	27.14
	12H	26.21	26.62	26.99	27.39	28.35	25.17	25.58	25.95	26.35	27.30
12H	4H	25.07	25.63	25.82	26.40	27.28	24.13	24.69	24.88	25.46	26.33
	6H	25.76	26.22	26.54	27.01	27.90	24.79	25.26	25.57	26.04	26.93
	8H	26.09	26.50	26.87	27.27	28.23	25.12	25.52	25.89	26.30	27.25