

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: P1439003

Luminaire Tested: CB2-D-030U-120D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439003  
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-930-1D-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: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

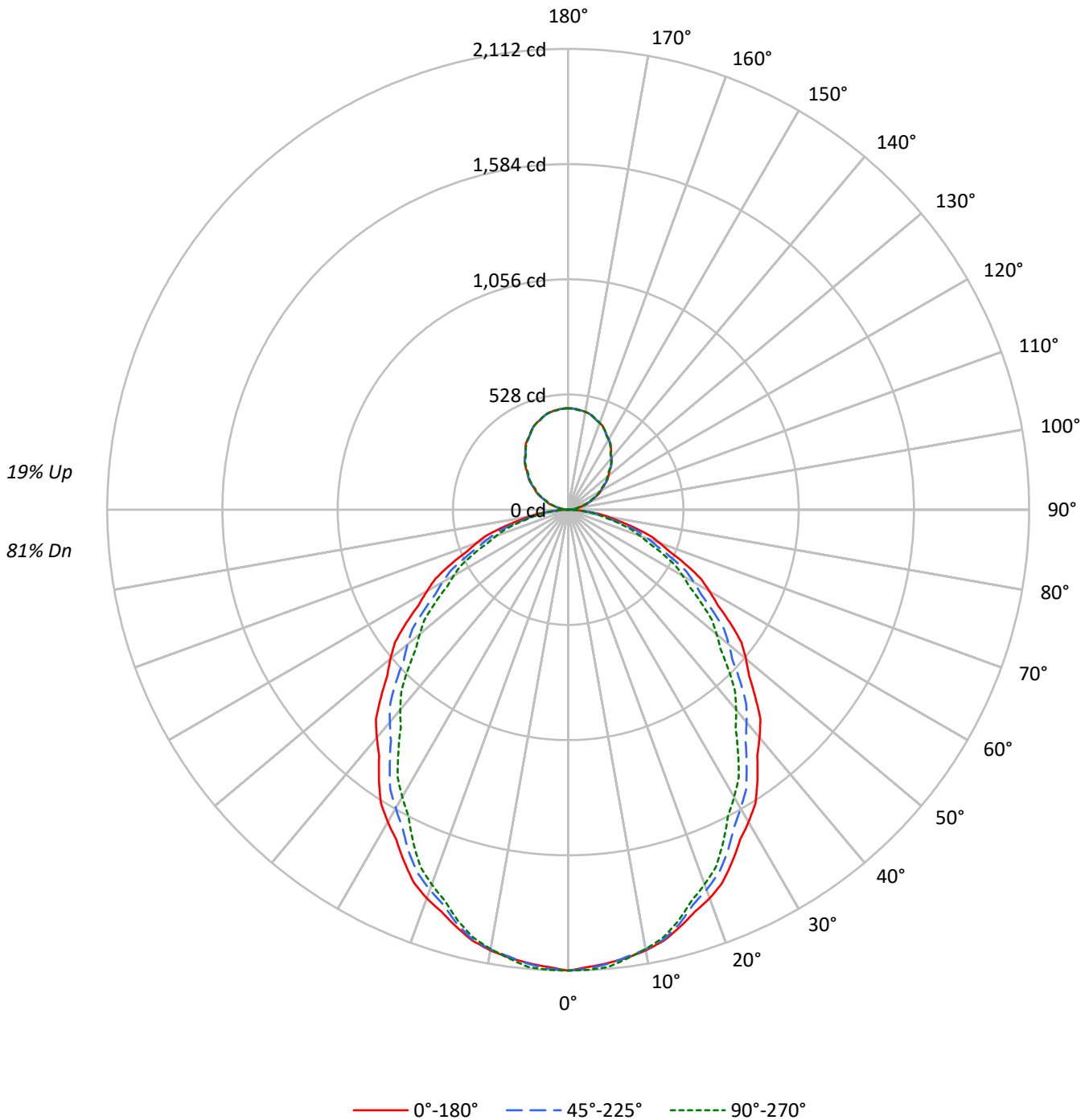
Lumens per Lamp: N/A  
Luminaire Lumens: 6109.4 lumens  
Efficiency: N/A  
Efficacy: 118.4 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Semi-Direct

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										
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	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	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°	36787	36787	36787
5°	36475	36531	36786
10°	36267	36182	36152
15°	35694	35459	35167
20°	35132	34351	33871
25°	34187	33224	32292
30°	33241	31777	30574
35°	32151	30295	28849
40°	30997	28901	27209
45°	29837	27447	25615
50°	28790	26029	24056
55°	27500	24554	22589
60°	26025	23155	21127
65°	24460	21596	19663
70°	22728	19845	17788
75°	20680	17954	16104
80°	18496	15737	14594
85°	14229	12930	10672

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 29837 cd/sqm



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CATALOG NUMBER: CB2-D-030U-120D-930-1D-UNV-STD-W-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	198.6	3.3
10°-20°	553.7	9.1
20°-30°	796.1	13.0
30°-40°	894.8	14.6
40°-50°	864.3	14.1
50°-60°	730.3	12.0
60°-70°	524.6	8.6
70°-80°	286.7	4.7
80°-90°	76.2	1.2
90°-100°	17.9	0.3
100°-110°	74.0	1.2
110°-120°	134.3	2.2
120°-130°	182.8	3.0
130°-140°	211.0	3.5
140°-150°	212.6	3.5
150°-160°	183.5	3.0
160°-170°	124.4	2.0
170°-180°	43.9	0.7
0°-30°	1548.3	25.3
0°-40°	2443.1	40.0
0°-60°	4037.7	66.1
0°-90°	4925.1	80.6
90°-120°	226.2	3.7
90°-150°	832.6	13.6
90°-180°	1184.0	19.4
0°-180°	6109.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2112	2112	2112	2112	2112	
5°	2086	2115	2089	2090	2104	198
15°	1980	1997	1966	1947	1950	558
25°	1779	1780	1729	1690	1680	819
35°	1512	1495	1425	1370	1357	945
45°	1211	1186	1114	1056	1040	936
55°	906	872	809	758	744	810
65°	594	571	524	487	477	589
75°	307	288	267	246	239	329
85°	71	66	65	56	53	85
90°	0	0	0	0	0	3
95°	17	15	14	11	11	20
105°	73	72	70	66	66	78
115°	139	139	136	132	132	137
125°	207	209	205	200	201	185
135°	276	279	274	269	271	212
145°	342	346	340	336	339	213
155°	400	403	398	395	398	184
165°	442	446	440	438	442	124
175°	463	468	462	459	460	44
180°	464	464	464	464	464	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2112.1	2112.1	2112.1	2112.1	2112.1
2.5°	2097.8	2123.1	2104.3	2107.0	2110.8
5°	2086.2	2114.7	2089.4	2089.7	2104.0
7.5°	2071.3	2098.2	2066.5	2060.6	2073.9
10°	2050.6	2077.5	2045.8	2034.7	2044.1
12.5°	2023.4	2049.1	2018.6	2001.0	2009.2
15°	1979.5	1996.8	1966.5	1947.2	1950.3
17.5°	1931.6	1942.3	1898.6	1882.4	1879.2
20°	1895.4	1904.8	1853.3	1830.6	1827.4
22.5°	1848.8	1857.0	1802.9	1774.9	1770.5
25°	1778.9	1780.5	1728.8	1689.8	1680.3
27.5°	1705.8	1700.8	1643.4	1597.2	1584.9
30°	1652.8	1646.5	1580.0	1531.2	1520.2
32.5°	1595.9	1584.5	1517.9	1465.3	1454.2
35°	1512.1	1494.7	1424.8	1369.5	1356.8
37.5°	1422.8	1403.2	1334.5	1274.4	1260.1
40°	1363.3	1341.2	1271.1	1211.0	1196.7
42.5°	1303.8	1279.1	1207.7	1147.5	1132.0
45°	1211.3	1186.0	1114.3	1055.7	1039.9
47.5°	1123.3	1091.1	1021.4	963.2	947.4
50°	1062.5	1027.7	960.6	903.7	887.8
52.5°	1000.4	964.3	899.8	845.4	829.6
55°	905.6	872.4	808.6	758.1	743.9
57.5°	811.8	779.9	721.6	673.4	659.5
60°	747.1	720.3	664.7	619.1	606.5
62.5°	685.0	660.7	607.7	566.1	553.4
65°	593.5	571.4	524.0	486.6	477.1
67.5°	504.6	482.4	444.1	410.5	399.8
70°	446.3	424.2	389.7	358.8	349.3
72.5°	390.7	367.3	339.3	311.0	304.0
75°	307.3	288.3	266.8	245.7	239.3
77.5°	233.5	215.2	199.6	184.6	183.1
80°	184.4	168.5	156.9	147.1	145.5
82.5°	137.8	125.8	118.1	110.9	110.6
85°	71.2	66.4	64.7	56.5	53.4
87.5°	20.7	20.7	18.2	15.5	15.6
90°	0.0	0.0	0.4	0.0	0.4
92.5°	4.3	3.8	3.5	2.3	2.7
95°	17.4	15.3	14.5	11.2	11.2
97.5°	32.8	30.7	29.6	26.2	25.5
100°	43.8	41.7	40.6	36.9	36.2
102.5°	55.1	54.1	52.2	48.2	47.5
105°	73.2	72.1	70.3	66.3	65.6
107.5°	91.7	91.9	89.2	85.9	84.9
110°	105.0	104.7	102.5	99.2	98.5



TEST NUMBER: P1439003

CATALOG NUMBER: CB2-D-030U-120D-930-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	118.7	118.0	115.8	112.6	111.9
115°	139.1	138.7	136.2	132.2	131.9
117.5°	158.5	159.6	156.6	152.4	152.3
120°	172.4	173.8	170.2	166.6	165.9
122.5°	186.0	187.7	184.2	180.0	180.1
125°	206.8	209.0	204.7	200.3	200.7
127.5°	226.9	229.5	225.5	221.1	221.5
130°	240.5	243.7	239.4	234.7	235.4
132.5°	254.4	257.6	253.3	248.4	249.6
135°	275.7	278.8	274.2	269.2	270.9
137.5°	295.7	298.8	293.8	289.5	291.7
140°	309.0	312.2	306.8	302.9	305.0
142.5°	322.0	325.8	320.1	315.9	318.6
145°	341.6	345.5	340.1	336.2	338.7
147.5°	360.1	364.0	358.6	354.8	357.4
150°	372.0	375.9	370.2	367.0	369.8
152.5°	383.0	387.5	381.5	378.3	382.0
155°	399.5	403.4	397.7	395.3	398.5
157.5°	413.9	418.4	412.7	410.6	413.2
160°	423.4	427.7	422.0	419.9	422.7
162.5°	430.7	435.2	429.8	427.4	430.8
165°	441.6	446.2	440.5	438.0	441.9
167.5°	450.1	455.0	449.2	446.7	450.7
170°	455.3	459.9	453.9	451.1	455.3
172.5°	458.8	463.7	457.4	454.5	457.4
175°	462.6	467.5	461.5	458.6	459.7
177.5°	464.4	468.3	463.5	461.0	464.4
180°	464.4	464.4	464.4	464.4	464.4



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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	22.00	23.20	22.64	23.85	24.61	20.90	22.10	21.54	22.75	23.51
	3H	23.67	24.75	24.32	25.41	26.20	22.45	23.53	23.11	24.20	24.99
	4H	24.31	25.33	24.99	26.01	26.81	23.04	24.06	23.71	24.73	25.54
	6H	24.73	25.67	25.42	26.36	27.18	23.43	24.37	24.12	25.05	25.87
	8H	24.89	25.78	25.59	26.49	27.31	23.58	24.47	24.28	25.18	26.00
	12H	24.97	25.83	25.68	26.53	27.38	23.65	24.50	24.36	25.21	26.05
4H	2H	22.45	23.46	23.12	24.14	24.94	21.57	22.59	22.25	23.27	24.07
	3H	24.34	25.19	25.04	25.91	26.73	23.34	24.18	24.03	24.90	25.72
	4H	25.10	25.87	25.81	26.59	27.45	24.02	24.79	24.73	25.51	26.36
	6H	25.64	26.31	26.37	27.05	27.92	24.52	25.18	25.24	25.93	26.79
	8H	25.85	26.48	26.59	27.22	28.09	24.71	25.34	25.45	26.08	26.95
	12H	25.98	26.54	26.73	27.30	28.18	24.82	25.38	25.57	26.14	27.02
8H	4H	25.29	25.91	26.02	26.65	27.52	24.32	24.95	25.06	25.69	26.56
	6H	25.94	26.46	26.70	27.24	28.12	24.94	25.46	25.70	26.24	27.12
	8H	26.23	26.70	27.01	27.48	28.37	25.22	25.68	25.99	26.46	27.35
	12H	26.42	26.83	27.20	27.61	28.56	25.38	25.79	26.16	26.56	27.52
12H	4H	25.28	25.84	26.04	26.61	27.49	24.34	24.90	25.09	25.67	26.55
	6H	25.97	26.43	26.75	27.22	28.11	25.01	25.47	25.78	26.25	27.14
	8H	26.31	26.71	27.08	27.49	28.44	25.33	25.73	26.10	26.51	27.46