

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: P1439523

Luminaire Tested: CB3-D-030U-120D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439523
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-930-1D-UNV-STD-W-4
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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

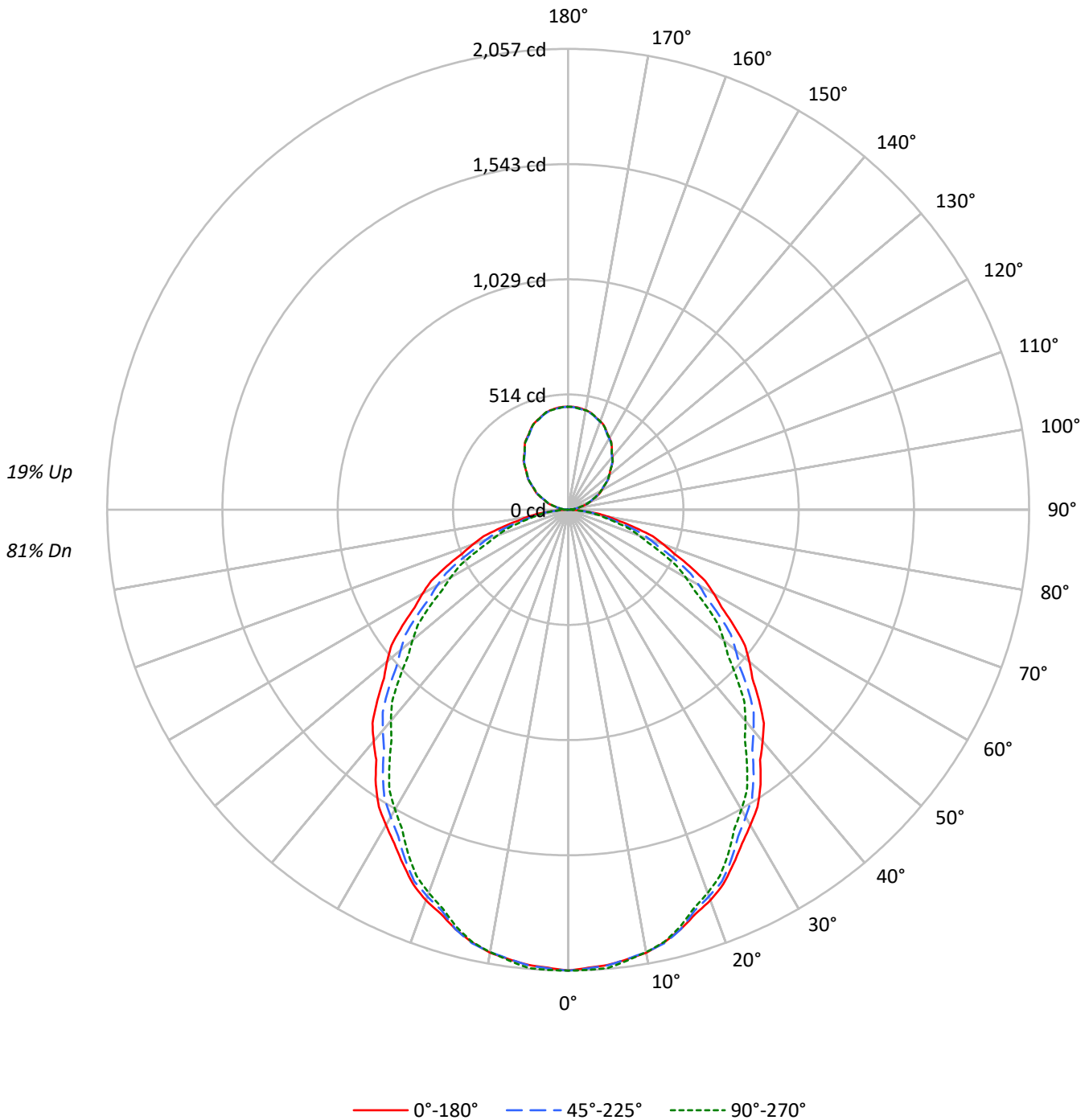
Lumens per Lamp: N/A
Luminaire Lumens: 6109.0 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 46.3
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

TEST NUMBER: P1439523

CATALOG NUMBER: CB3-D-030U-120D-930-1D-UNV-STD-W-4

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	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°	23279	23279	23279
5°	23168	23185	23321
10°	23067	23033	23033
15°	22713	22713	22576
20°	22344	22116	21918
25°	21778	21503	21121
30°	21244	20691	20194
35°	20684	19916	19210
40°	19938	18988	18169
45°	19262	18163	17041
50°	18567	17178	15944
55°	17811	16225	14899
60°	16992	15241	13720
65°	16037	14120	12476
70°	14933	12806	11115
75°	13539	11239	9897
80°	11807	9422	8757
85°	9100	7971	7971

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19262 cd/sqm



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CATALOG NUMBER: CB3-D-030U-120D-930-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.1	3.2
10°-20°	545.4	8.9
20°-30°	792.2	13.0
30°-40°	900.7	14.7
40°-50°	874.3	14.3
50°-60°	738.2	12.1
60°-70°	525.2	8.6
70°-80°	280.6	4.6
80°-90°	74.1	1.2
90°-100°	19.4	0.3
100°-110°	76.0	1.2
110°-120°	135.4	2.2
120°-130°	183.2	3.0
130°-140°	210.6	3.4
140°-150°	211.4	3.5
150°-160°	181.8	3.0
160°-170°	123.0	2.0
170°-180°	43.4	0.7
0°-30°	1531.7	25.1
0°-40°	2432.4	39.8
0°-60°	4044.9	66.2
0°-90°	4924.9	80.6
90°-120°	230.8	3.8
90°-150°	836.0	13.7
90°-180°	1184.0	19.4
0°-180°	6109.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2057	2057	2057	2057	2057	
5°	2040	2066	2041	2039	2053	194
15°	1939	1956	1939	1927	1927	546
25°	1744	1750	1722	1699	1692	804
35°	1498	1483	1442	1399	1391	933
45°	1204	1185	1135	1081	1065	929
55°	903	879	822	770	755	807
65°	599	578	527	480	466	593
75°	310	293	257	231	226	330
85°	70	64	61	61	61	83
90°	0	0	0	0	0	4
95°	19	17	15	14	14	21
105°	74	73	71	70	69	79
115°	138	139	136	135	135	137
125°	206	208	204	203	204	184
135°	274	277	272	270	273	211
145°	340	342	337	335	338	212
155°	396	400	393	392	396	182
165°	438	441	435	433	438	123
175°	458	462	456	454	455	43
180°	459	459	459	459	459	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2057.4	2057.4	2057.4	2057.4	2057.4
2.5°	2046.8	2067.4	2049.2	2051.6	2056.2
5°	2039.8	2065.5	2041.3	2038.7	2053.3
7.5°	2024.0	2047.5	2022.3	2016.4	2029.3
10°	2007.7	2033.4	2004.8	1997.6	2004.8
12.5°	1978.5	2005.3	1982.6	1970.7	1976.7
15°	1939.0	1956.2	1939.0	1927.3	1927.3
17.5°	1890.8	1908.8	1876.5	1868.2	1865.0
20°	1855.7	1871.5	1836.8	1825.0	1820.3
22.5°	1809.0	1823.6	1794.7	1774.4	1768.9
25°	1744.4	1750.1	1722.4	1698.9	1691.8
27.5°	1679.8	1681.2	1643.3	1614.7	1605.3
30°	1626.0	1627.5	1583.7	1552.8	1545.7
32.5°	1572.3	1568.0	1526.4	1489.8	1484.9
35°	1497.5	1483.2	1441.9	1399.4	1390.8
37.5°	1407.2	1398.6	1349.9	1307.2	1294.4
40°	1349.9	1335.6	1285.6	1243.0	1230.1
42.5°	1292.6	1276.1	1224.9	1177.5	1163.5
45°	1203.8	1185.2	1135.1	1080.7	1065.0
47.5°	1114.4	1094.1	1039.0	986.3	968.9
50°	1054.8	1033.4	975.9	924.4	905.8
52.5°	994.0	971.5	914.0	861.3	846.2
55°	902.9	878.6	822.5	769.6	755.3
57.5°	811.7	787.7	731.9	681.9	664.7
60°	750.9	728.1	673.5	623.4	606.3
62.5°	689.0	667.3	613.9	565.0	549.0
65°	599.0	577.6	527.4	480.3	466.0
67.5°	509.9	491.6	442.1	398.9	387.4
70°	451.4	434.3	387.1	347.4	336.0
72.5°	395.3	377.0	332.2	298.4	290.4
75°	309.7	292.6	257.1	230.7	226.4
77.5°	231.4	217.4	186.7	171.8	169.5
80°	181.2	168.3	144.6	134.4	134.4
82.5°	134.4	123.8	108.4	104.0	104.0
85°	70.1	64.4	61.4	61.4	61.4
87.5°	21.0	21.0	19.9	18.7	18.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.1	4.5	2.8	2.3	2.3
95°	18.7	16.9	15.1	14.1	14.4
97.5°	34.5	32.8	30.6	29.5	29.8
100°	45.4	44.1	41.6	40.5	40.5
102.5°	56.2	55.3	52.8	51.8	52.1
105°	73.6	73.3	70.8	69.7	69.1
107.5°	92.9	92.3	89.6	89.5	88.9
110°	105.3	105.0	102.5	102.2	101.8



TEST NUMBER: P1439523

CATALOG NUMBER: CB3-D-030U-120D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	118.0	118.5	115.8	115.4	115.1
115°	138.1	138.8	135.6	135.3	134.9
117.5°	158.7	159.6	156.3	155.9	155.3
120°	171.9	174.0	169.8	169.4	169.1
122.5°	185.5	187.2	183.3	182.7	182.6
125°	205.7	208.2	204.0	203.3	203.6
127.5°	226.0	228.5	224.6	223.2	224.0
130°	239.6	242.3	238.2	236.8	237.8
132.5°	253.4	256.1	252.0	250.6	252.2
135°	274.1	276.8	272.3	270.3	273.0
137.5°	294.3	296.7	291.8	290.4	293.3
140°	307.6	310.0	304.7	303.1	306.5
142.5°	320.5	323.2	317.4	315.7	319.5
145°	339.6	342.4	336.8	335.1	338.2
147.5°	357.9	360.8	355.1	353.1	356.3
150°	369.2	372.3	366.4	364.7	368.2
152.5°	380.2	383.6	377.4	375.4	379.7
155°	396.3	399.8	393.2	391.5	395.6
157.5°	410.9	414.0	408.0	406.4	409.9
160°	419.6	423.0	416.8	415.1	419.2
162.5°	427.2	430.6	424.9	422.7	426.8
165°	437.6	441.3	435.4	433.1	437.6
167.5°	446.2	450.3	444.0	441.9	446.4
170°	451.3	455.1	448.8	446.1	450.6
172.5°	454.7	458.5	452.2	449.5	452.6
175°	458.3	462.5	456.2	453.5	455.2
177.5°	460.0	463.3	458.3	455.8	459.7
180°	459.4	459.4	459.4	459.4	459.4



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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	20.55	21.76	21.20	22.41	23.17	19.47	20.68	20.12	21.33	22.09
	3H	22.24	23.33	22.90	23.99	24.78	20.91	21.99	21.57	22.66	23.45
	4H	22.89	23.91	23.57	24.59	25.39	21.45	22.46	22.12	23.14	23.95
	6H	23.29	24.23	23.98	24.92	25.74	21.78	22.72	22.47	23.41	24.23
	8H	23.44	24.34	24.14	25.04	25.87	21.91	22.81	22.61	23.52	24.34
	12H	23.52	24.37	24.22	25.08	25.92	22.00	22.86	22.71	23.56	24.41
4H	2H	21.00	22.02	21.68	22.70	23.50	20.14	21.16	20.82	21.84	22.64
	3H	22.92	23.77	23.61	24.49	25.31	21.79	22.64	22.48	23.36	24.18
	4H	23.68	24.45	24.39	25.17	26.03	22.41	23.18	23.12	23.90	24.75
	6H	24.20	24.87	24.93	25.62	26.48	22.84	23.51	23.57	24.25	25.12
	8H	24.40	25.03	25.14	25.77	26.64	23.02	23.64	23.75	24.39	25.26
	12H	24.52	25.08	25.27	25.84	26.72	23.14	23.70	23.90	24.47	25.35
8H	4H	23.84	24.46	24.57	25.20	26.08	22.70	23.32	23.43	24.06	24.94
	6H	24.47	24.99	25.23	25.77	26.65	23.24	23.76	24.00	24.54	25.42
	8H	24.75	25.21	25.53	26.00	26.89	23.50	23.96	24.27	24.74	25.63
	12H	24.93	25.34	25.71	26.11	27.06	23.69	24.09	24.47	24.87	25.82
12H	4H	23.83	24.39	24.58	25.15	26.03	22.72	23.28	23.47	24.04	24.92
	6H	24.49	24.95	25.27	25.74	26.63	23.30	23.76	24.08	24.55	25.44
	8H	24.81	25.21	25.58	25.99	26.94	23.60	24.01	24.38	24.78	25.73