

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: P1438629

Luminaire Tested: CB2-030U-120D-835-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438629  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-030U-120D-835-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

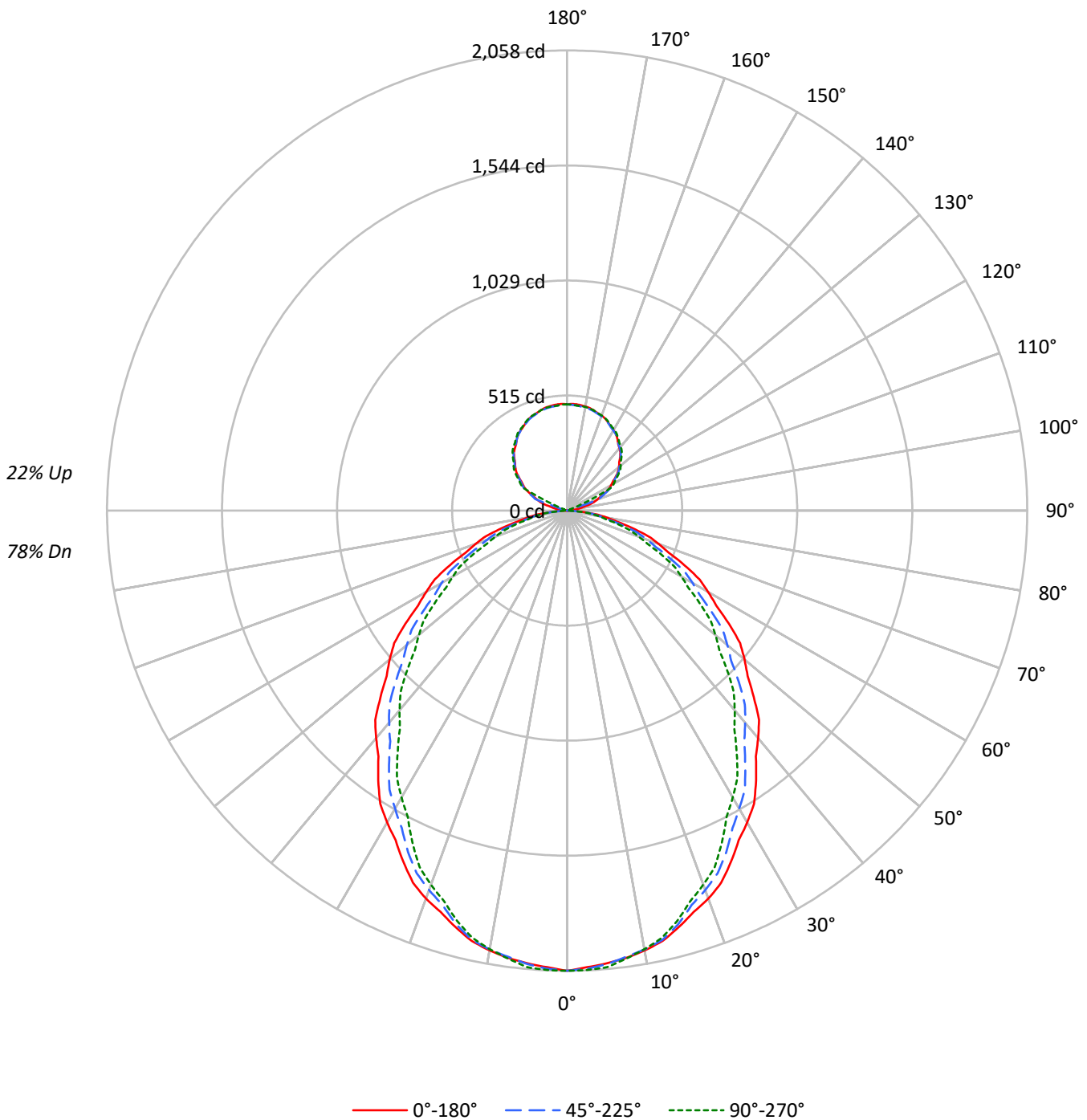
Lumens per Lamp: N/A  
Luminaire Lumens: 6152.8 lumens  
Efficiency: N/A  
Efficacy: 119.2 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Semi-Direct

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	50	30	10	0		
RCR																										
0	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78								
1	104	100	96	92	99	96	92	89	87	85	82	80	78	76	73	71	70	66								
2	95	88	81	76	91	84	78	73	77	72	68	70	67	64	64	62	59	56								
3	87	77	70	64	83	74	67	62	68	63	58	63	58	54	57	54	51	48								
4	80	69	61	54	76	66	59	53	61	55	50	56	51	47	51	47	44	41								
5	74	62	53	47	70	59	52	46	55	48	43	51	45	41	47	42	39	36								
6	68	56	47	41	65	54	46	40	50	43	38	46	40	36	42	38	34	32								
7	63	50	42	36	60	49	41	36	45	39	34	42	36	32	39	34	31	28								
8	59	46	38	33	56	44	37	32	41	35	30	39	33	29	36	31	27	25								
9	55	42	35	29	52	41	34	29	38	32	27	36	30	26	33	28	25	23								
10	52	39	32	27	49	38	31	26	35	29	25	33	28	24	31	26	23	21								

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

	0°	45°	90°
0°	35845	35845	35845
5°	35541	35597	35844
10°	35338	35255	35227
15°	34780	34552	34268
20°	34233	33473	33006
25°	33312	32373	31465
30°	32390	30964	29792
35°	31328	29519	28111
40°	30203	28162	26513
45°	29073	26743	24959
50°	28053	25362	23441
55°	26798	23926	22012
60°	25360	22562	20584
65°	23833	21043	19160
70°	22147	19341	17335
75°	20148	17497	15693
80°	18014	15336	14223
85°	13849	12590	10392

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 29073 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	193.5	3.1
10°-20°	539.5	8.8
20°-30°	775.7	12.6
30°-40°	871.9	14.2
40°-50°	842.2	13.7
50°-60°	711.6	11.6
60°-70°	511.1	8.3
70°-80°	279.4	4.5
80°-90°	74.2	1.2
90°-100°	8.3	0.1
100°-110°	52.7	0.9
110°-120°	167.3	2.7
120°-130°	242.8	3.9
130°-140°	261.1	4.2
140°-150°	245.9	4.0
150°-160°	200.3	3.3
160°-170°	130.4	2.1
170°-180°	45.1	0.7
0°-30°	1508.7	24.5
0°-40°	2380.6	38.7
0°-60°	3934.4	63.9
0°-90°	4799.1	78.0
90°-120°	228.2	3.7
90°-150°	978.0	15.9
90°-180°	1354.0	22.0
0°-180°	6152.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2058	2058	2058	2058	2058	
5°	2033	2060	2036	2036	2050	193
15°	1929	1946	1916	1897	1900	544
25°	1733	1735	1684	1646	1637	798
35°	1473	1456	1388	1334	1322	920
45°	1180	1156	1086	1029	1013	912
55°	882	850	788	739	725	789
65°	578	557	511	474	465	573
75°	299	281	260	239	233	320
85°	69	65	63	55	52	83
90°	0	0	0	0	0	3
95°	19	6	6	4	3	24
105°	99	103	10	12	13	104
115°	187	191	193	195	112	184
125°	266	270	270	275	279	238
135°	334	338	338	340	344	258
145°	391	394	392	392	397	245
155°	435	437	432	432	438	200
165°	463	465	460	458	463	131
175°	477	478	472	469	471	45
180°	475	475	475	475	475	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2058.0	2058.0	2058.0	2058.0	2058.0
2.5°	2044.1	2068.8	2050.5	2053.1	2056.8
5°	2032.8	2060.5	2036.0	2036.3	2050.1
7.5°	2018.3	2044.5	2013.6	2007.9	2020.8
10°	1998.1	2024.3	1993.4	1982.6	1991.8
12.5°	1971.7	1996.6	1966.9	1949.8	1957.8
15°	1928.8	1945.7	1916.2	1897.4	1900.4
17.5°	1882.2	1892.6	1850.0	1834.2	1831.1
20°	1846.9	1856.1	1805.9	1783.8	1780.7
22.5°	1801.5	1809.5	1756.7	1729.5	1725.2
25°	1733.4	1734.9	1684.5	1646.5	1637.3
27.5°	1662.2	1657.2	1601.3	1556.3	1544.3
30°	1610.5	1604.3	1539.6	1492.1	1481.3
32.5°	1555.0	1543.9	1479.1	1427.8	1417.0
35°	1473.4	1456.4	1388.3	1334.4	1322.1
37.5°	1386.4	1367.3	1300.4	1241.7	1227.9
40°	1328.4	1306.8	1238.6	1180.0	1166.1
42.5°	1270.4	1246.4	1176.8	1118.2	1103.1
45°	1180.3	1155.6	1085.7	1028.7	1013.3
47.5°	1094.6	1063.1	995.3	938.5	923.1
50°	1035.3	1001.4	936.0	880.5	865.1
52.5°	974.8	939.7	876.8	823.8	808.4
55°	882.5	850.1	787.9	738.7	724.9
57.5°	791.1	759.9	703.1	656.2	642.6
60°	728.0	701.8	647.7	603.3	590.9
62.5°	667.5	643.8	592.2	551.6	539.2
65°	578.3	556.8	510.6	474.1	464.9
67.5°	491.7	470.1	432.7	400.0	389.5
70°	434.9	413.4	379.8	349.6	340.4
72.5°	380.7	357.9	330.6	303.0	296.3
75°	299.4	280.9	260.0	239.4	233.2
77.5°	227.5	209.7	194.5	179.9	178.4
80°	179.6	164.2	152.9	143.4	141.8
82.5°	134.3	122.5	115.0	108.1	107.8
85°	69.3	64.7	63.0	55.1	52.0
87.5°	20.2	20.2	17.6	15.2	15.2
90°	0.0	0.0	0.0	0.3	0.3
92.5°	5.2	2.0	1.4	2.0	2.0
95°	18.9	5.5	5.8	3.8	3.4
97.5°	39.2	8.8	8.4	9.3	9.6
100°	54.6	18.0	9.3	10.6	11.0
102.5°	71.6	67.8	9.5	11.5	12.1
105°	98.9	102.6	10.3	12.0	12.7
107.5°	125.6	129.3	47.9	12.4	13.1
110°	143.5	147.2	151.7	12.7	13.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	160.2	164.7	168.2	28.3	13.9
115°	187.1	191.1	192.9	195.2	111.9
117.5°	210.8	215.7	217.8	221.6	225.4
120°	227.3	232.0	233.4	237.3	241.3
122.5°	243.5	247.6	248.5	253.0	256.7
125°	265.7	270.4	270.5	275.1	278.7
127.5°	287.9	292.0	291.8	295.2	299.3
130°	302.8	305.5	305.5	308.4	312.7
132.5°	315.1	318.9	319.0	321.3	325.6
135°	334.4	338.4	337.8	340.0	344.3
137.5°	352.4	356.3	355.2	357.1	361.5
140°	364.2	367.6	365.9	367.8	372.8
142.5°	375.2	378.6	376.1	377.7	383.0
145°	391.3	394.4	391.7	392.1	397.2
147.5°	405.7	408.7	405.4	405.9	410.6
150°	415.0	417.7	413.7	414.1	418.8
152.5°	423.3	425.7	421.4	421.3	426.8
155°	434.6	437.3	432.5	431.6	437.7
157.5°	444.9	447.4	442.6	442.0	446.7
160°	451.8	453.4	448.7	447.8	452.5
162.5°	456.4	458.4	453.6	452.1	456.8
165°	463.4	464.8	460.0	458.1	462.8
167.5°	469.5	471.0	464.9	463.1	468.2
170°	473.0	474.1	467.9	465.6	470.6
172.5°	475.2	476.0	469.8	467.2	470.6
175°	477.2	478.2	472.0	469.0	471.3
177.5°	477.5	478.0	473.4	470.7	474.8
180°	474.8	474.8	474.8	474.8	474.8



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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	21.71	22.88	22.39	23.57	24.38	20.61	21.78	21.29	22.47	23.28
	3H	23.38	24.43	24.07	25.13	25.97	22.16	23.21	22.85	23.91	24.75
	4H	24.02	25.01	24.73	25.72	26.57	22.75	23.74	23.46	24.45	25.30
	6H	24.44	25.35	25.16	26.07	26.94	23.14	24.05	23.86	24.77	25.64
	8H	24.60	25.46	25.33	26.21	27.08	23.29	24.15	24.02	24.89	25.76
	12H	24.68	25.51	25.42	26.24	27.14	23.36	24.19	24.10	24.92	25.82
4H	2H	22.16	23.14	22.87	23.86	24.71	21.28	22.27	22.00	22.98	23.84
	3H	24.05	24.88	24.78	25.63	26.50	23.05	23.87	23.77	24.62	25.49
	4H	24.81	25.56	25.55	26.31	27.21	23.73	24.48	24.47	25.23	26.13
	6H	25.35	26.00	26.11	26.77	27.68	24.22	24.87	24.98	25.65	26.55
	8H	25.56	26.16	26.32	26.94	27.86	24.42	25.02	25.18	25.80	26.72
	12H	25.68	26.22	26.46	27.02	27.94	24.52	25.06	25.31	25.86	26.79
8H	4H	24.99	25.60	25.76	26.37	27.29	24.03	24.63	24.79	25.40	26.33
	6H	25.65	26.15	26.44	26.96	27.88	24.65	25.15	25.44	25.96	26.88
	8H	25.94	26.38	26.74	27.20	28.14	24.92	25.37	25.73	26.18	27.12
	12H	26.13	26.52	26.93	27.32	28.32	25.09	25.48	25.89	26.28	27.28
12H	4H	24.99	25.53	25.77	26.32	27.25	24.05	24.59	24.83	25.38	26.31
	6H	25.68	26.12	26.48	26.94	27.88	24.71	25.16	25.51	25.97	26.91
	8H	26.01	26.40	26.81	27.20	28.20	25.03	25.42	25.84	26.23	27.22