

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: P1439101

Luminaire Tested: CB2-D-125U-120D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439101  
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-125U-120D-935-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

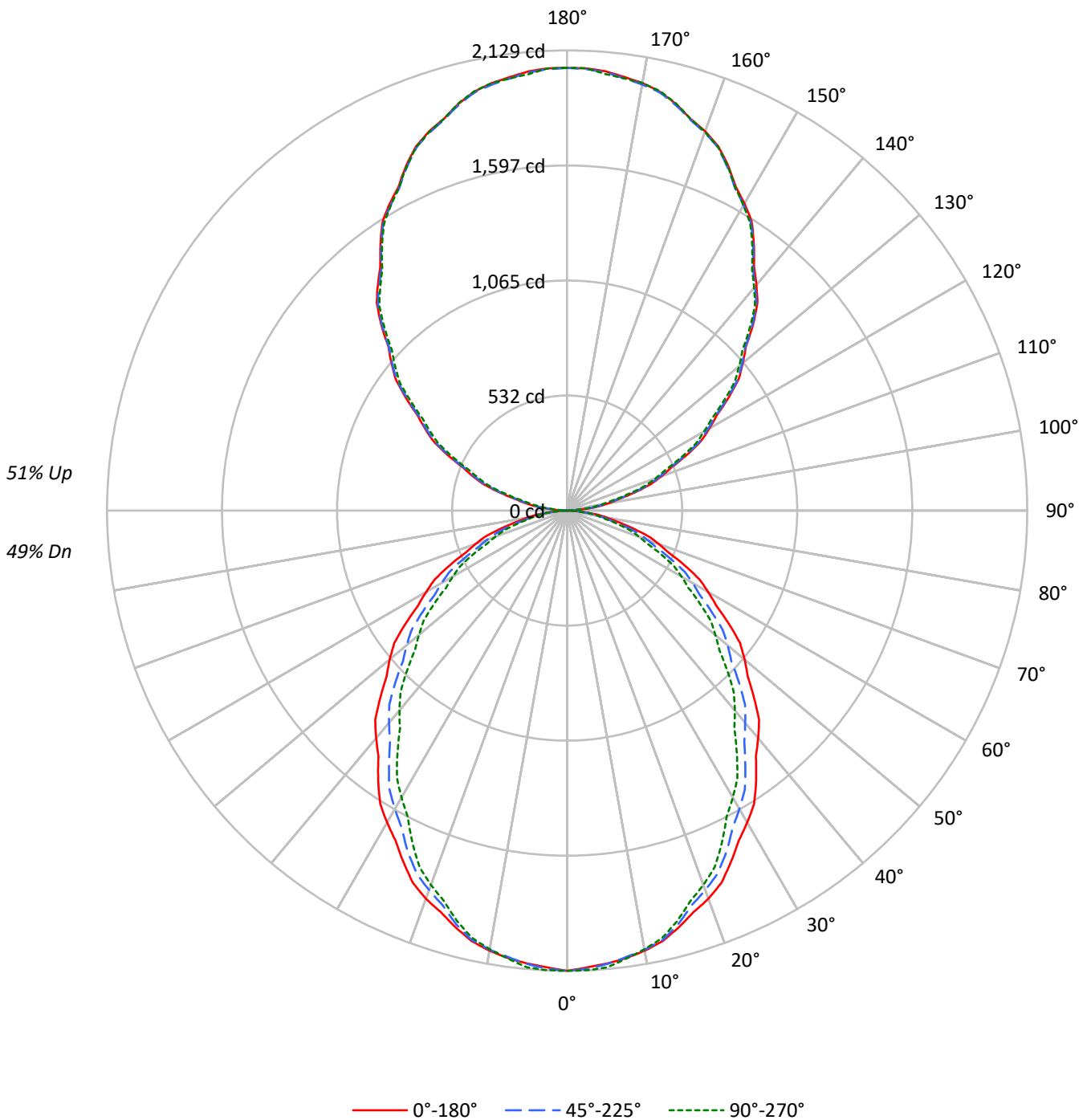
Lumens per Lamp: N/A  
Luminaire Lumens: 10188.3 lumens  
Efficiency: N/A  
Efficacy: 123.8 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 82.3  
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									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	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49																			
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47	41																			
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	40	35																			
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	38	36	34	30																			
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	34	32	29	26																			
5	68	57	49	43	63	53	46	40	45	40	35	38	34	31	31	28	26	22																			
6	63	51	43	37	58	48	40	35	41	35	31	34	30	27	28	25	23	20																			
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	18																			
8	54	42	34	29	50	39	32	28	34	28	24	29	24	21	24	21	18	16																			
9	51	38	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17	14																			
10	47	35	28	23	44	33	26	22	29	23	20	24	20	17	20	17	15	13																			

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

	0°	45°	90°
0°	37088	37088	37088
5°	36776	36832	37089
10°	36566	36479	36451
15°	35986	35752	35458
20°	35421	34635	34151
25°	34469	33497	32557
30°	33514	32038	30825
35°	32415	30544	29087
40°	31252	29139	27434
45°	30080	27671	25824
50°	29026	26243	24254
55°	27727	24758	22775
60°	26241	23343	21298
65°	24662	21773	19823
70°	22916	20013	17936
75°	20848	18102	16238
80°	18646	15868	14714
85°	14329	13030	10751

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 30080 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.2	2.0
10°-20°	558.2	5.5
20°-30°	802.6	7.9
30°-40°	902.1	8.9
40°-50°	871.4	8.6
50°-60°	736.3	7.2
60°-70°	528.9	5.2
70°-80°	289.1	2.8
80°-90°	76.9	0.8
90°-100°	79.1	0.8
100°-110°	326.3	3.2
110°-120°	592.3	5.8
120°-130°	806.0	7.9
130°-140°	930.4	9.1
140°-150°	937.6	9.2
150°-160°	809.1	7.9
160°-170°	548.4	5.4
170°-180°	193.4	1.9
0°-30°	1561.1	15.3
0°-40°	2463.2	24.2
0°-60°	4070.9	40.0
0°-90°	4965.8	48.7
90°-120°	997.7	9.8
90°-150°	3671.6	36.0
90°-180°	5223.0	51.3
0°-180°	10188.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2129	2129	2129	2129	2129	
5°	2103	2132	2107	2107	2121	200
15°	1996	2013	1983	1963	1966	563
25°	1794	1795	1743	1704	1694	826
35°	1524	1507	1436	1381	1368	952
45°	1221	1196	1123	1064	1048	944
55°	913	880	815	764	750	816
65°	598	576	528	491	481	593
75°	310	291	269	248	241	331
85°	72	67	65	57	54	85
90°	0	0	2	0	2	5
95°	77	67	64	50	50	89
105°	323	318	310	292	289	342
115°	613	612	601	583	581	605
125°	912	922	902	883	885	814
135°	1216	1230	1209	1187	1195	936
145°	1506	1524	1500	1483	1494	941
155°	1762	1779	1754	1743	1757	810
165°	1947	1968	1942	1932	1949	548
175°	2040	2062	2035	2022	2027	194
180°	2048	2048	2048	2048	2048	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2129.4	2129.4	2129.4	2129.4	2129.4
2.5°	2115.1	2140.6	2121.6	2124.3	2128.1
5°	2103.4	2132.1	2106.6	2106.9	2121.3
7.5°	2088.4	2115.5	2083.5	2077.6	2091.0
10°	2067.5	2094.6	2062.6	2051.4	2061.0
12.5°	2040.1	2065.9	2035.2	2017.5	2025.7
15°	1995.7	2013.3	1982.7	1963.2	1966.4
17.5°	1947.5	1958.3	1914.2	1897.8	1894.6
20°	1911.0	1920.5	1868.6	1845.7	1842.5
22.5°	1864.0	1872.3	1817.7	1789.5	1785.1
25°	1793.6	1795.2	1743.0	1703.7	1694.1
27.5°	1719.9	1714.8	1656.9	1610.3	1597.9
30°	1666.4	1660.0	1593.0	1543.8	1532.7
32.5°	1609.0	1597.5	1530.4	1477.3	1466.2
35°	1524.5	1507.0	1436.5	1380.7	1368.0
37.5°	1434.5	1414.8	1345.5	1284.8	1270.5
40°	1374.5	1352.2	1281.6	1220.9	1206.6
42.5°	1314.5	1289.6	1217.7	1157.0	1141.4
45°	1221.2	1195.7	1123.4	1064.4	1048.4
47.5°	1132.5	1100.0	1029.8	971.1	955.2
50°	1071.2	1036.2	968.5	911.1	895.1
52.5°	1008.6	972.3	907.2	852.4	836.4
55°	913.1	879.6	815.3	764.4	750.0
57.5°	818.5	786.3	727.5	679.0	664.9
60°	753.3	726.2	670.1	624.2	611.4
62.5°	690.7	666.1	612.7	570.7	558.0
65°	598.4	576.1	528.3	490.6	481.0
67.5°	508.7	486.4	447.7	413.9	403.1
70°	450.0	427.7	393.0	361.8	352.2
72.5°	393.9	370.3	342.1	313.6	306.5
75°	309.8	290.7	269.0	247.7	241.3
77.5°	235.4	217.0	201.2	186.2	184.6
80°	185.9	169.9	158.2	148.3	146.7
82.5°	138.9	126.8	119.0	111.8	111.5
85°	71.7	67.0	65.2	57.0	53.8
87.5°	20.9	20.9	18.6	15.7	16.0
90°	0.0	0.0	1.6	0.0	1.6
92.5°	19.2	16.7	15.7	10.3	11.8
95°	76.7	67.3	63.9	49.5	49.5
97.5°	144.7	135.3	130.3	115.6	112.5
100°	193.3	183.9	178.9	162.9	159.7
102.5°	243.1	238.7	230.0	212.7	209.6
105°	322.7	318.0	309.9	292.2	289.1
107.5°	404.5	405.4	393.3	378.8	374.4
110°	463.2	461.7	452.1	437.6	434.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	523.3	520.5	510.8	496.4	493.3
115°	613.4	611.8	600.6	583.0	581.4
117.5°	699.0	704.0	690.7	672.2	671.5
120°	760.3	766.6	750.8	734.7	731.6
122.5°	820.4	827.9	812.1	793.6	794.2
125°	912.1	921.5	902.5	883.4	884.9
127.5°	1000.6	1012.1	994.5	975.1	976.9
130°	1060.6	1074.7	1055.9	1035.2	1038.3
132.5°	1122.0	1136.0	1117.2	1095.3	1100.9
135°	1215.6	1229.6	1209.2	1187.0	1194.8
137.5°	1303.8	1317.8	1295.5	1276.8	1286.2
140°	1362.5	1376.6	1353.0	1335.6	1345.0
142.5°	1420.1	1436.6	1411.7	1393.2	1405.0
145°	1506.3	1523.5	1499.9	1482.6	1493.5
147.5°	1588.1	1605.3	1581.4	1564.7	1576.0
150°	1640.5	1657.7	1632.5	1618.4	1630.9
152.5°	1689.1	1708.7	1682.3	1668.3	1684.6
155°	1761.9	1779.1	1753.9	1743.0	1757.1
157.5°	1825.1	1845.1	1820.0	1810.7	1822.0
160°	1867.3	1886.1	1860.9	1851.6	1864.1
162.5°	1899.3	1919.3	1895.4	1884.9	1899.9
165°	1947.2	1967.5	1942.4	1931.6	1948.8
167.5°	1984.9	2006.4	1981.0	1969.9	1987.4
170°	2007.9	2028.2	2001.5	1989.1	2007.9
172.5°	2023.2	2044.8	2016.8	2004.3	2016.8
175°	2039.8	2061.7	2035.0	2022.4	2027.1
177.5°	2047.8	2065.3	2044.0	2032.8	2047.8
180°	2047.8	2047.8	2047.8	2047.8	2047.8



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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	19.44	20.28	20.41	21.26	22.55	18.34	19.18	19.31	20.16	21.45
	3H	21.08	21.83	22.06	22.82	24.14	19.86	20.61	20.84	21.61	22.92
	4H	21.71	22.42	22.70	23.41	24.73	20.44	21.15	21.43	22.14	23.46
	6H	22.11	22.76	23.11	23.76	25.10	20.81	21.46	21.81	22.46	23.79
	8H	22.26	22.88	23.27	23.90	25.23	20.95	21.57	21.96	22.59	23.92
	12H	22.33	22.92	23.35	23.93	25.29	21.01	21.60	22.02	22.61	23.96
4H	2H	19.84	20.55	20.84	21.55	22.87	18.97	19.68	19.97	20.68	22.00
	3H	21.71	22.30	22.72	23.33	24.66	20.70	21.29	21.71	22.32	23.65
	4H	22.46	23.00	23.47	24.01	25.37	21.37	21.92	22.39	22.93	24.29
	6H	22.97	23.44	24.00	24.48	25.83	21.85	22.31	22.88	23.36	24.71
	8H	23.18	23.61	24.21	24.65	26.02	22.04	22.47	23.07	23.51	24.88
	12H	23.28	23.68	24.33	24.72	26.10	22.12	22.52	23.17	23.57	24.94
8H	4H	22.61	23.05	23.64	24.08	25.45	21.65	22.08	22.68	23.12	24.48
	6H	23.25	23.61	24.30	24.69	26.05	22.25	22.61	23.30	23.68	25.05
	8H	23.54	23.86	24.60	24.92	26.30	22.52	22.84	23.59	23.90	25.29
	12H	23.71	23.99	24.78	25.05	26.48	22.67	22.95	23.74	24.01	25.43
12H	4H	22.59	22.98	23.64	24.03	25.40	21.65	22.04	22.70	23.09	24.46
	6H	23.28	23.60	24.34	24.66	26.04	22.31	22.63	23.37	23.69	25.07
	8H	23.60	23.87	24.66	24.93	26.36	22.62	22.90	23.68	23.95	25.38