

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: P1438845

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

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438845  
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: CB2-125U-120D-935-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

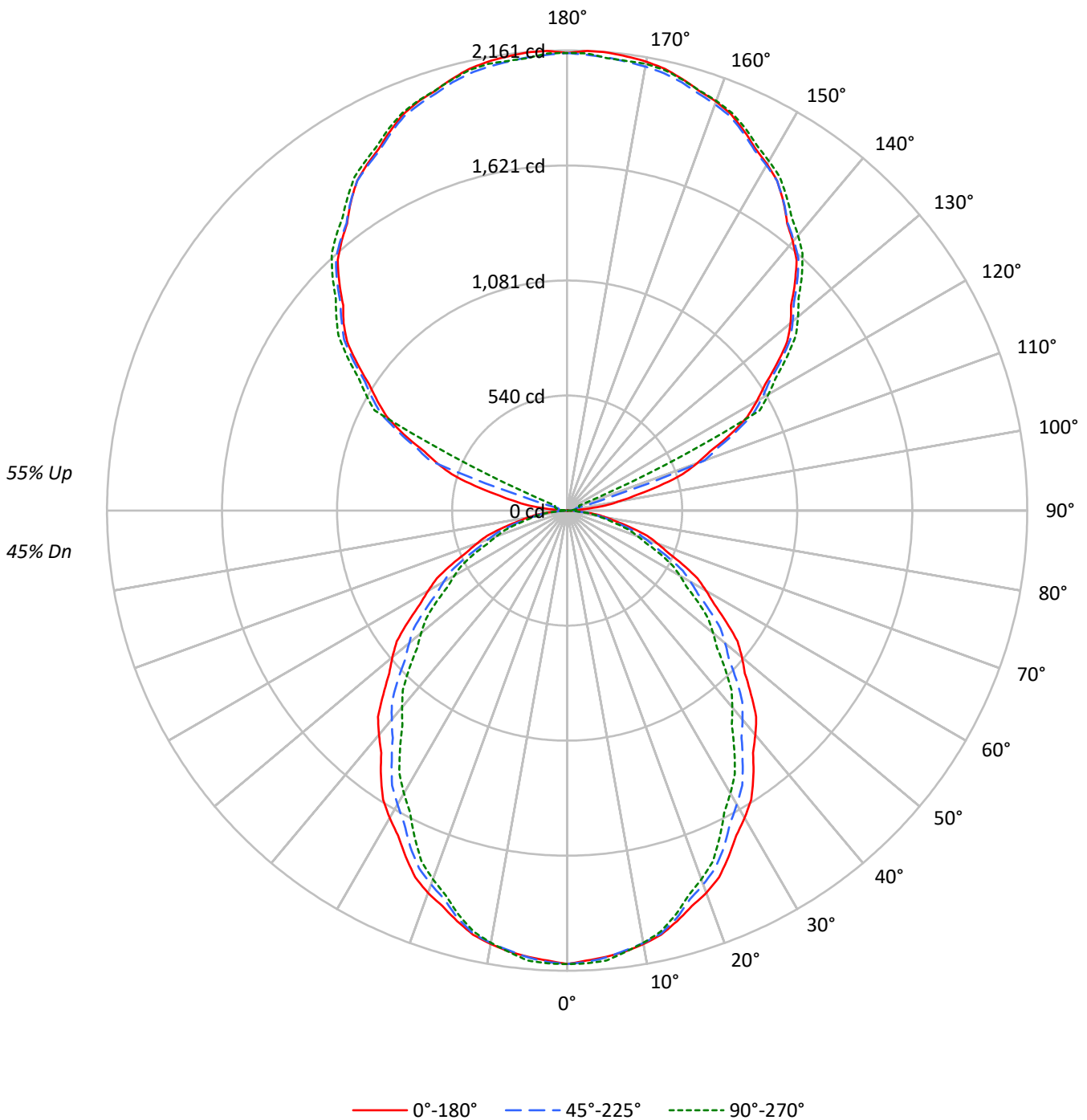
Lumens per Lamp: N/A  
Luminaire Lumens: 11092.2 lumens  
Efficiency: N/A  
Efficacy: 134.8 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: General Diffuse

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					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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	45				
1	97	93	89	85	89	85	82	79	71	68	66	58	56	55	46	45	44	38				
2	88	81	75	70	81	74	69	65	62	58	55	51	48	46	40	39	37	32				
3	81	71	64	58	74	66	59	54	55	50	47	45	42	39	36	34	32	27				
4	74	63	55	50	67	58	51	46	49	44	40	40	37	34	32	30	27	24				
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24	21				
6	62	51	43	37	57	47	40	35	40	34	30	33	29	26	26	23	21	18				
7	58	46	38	32	53	42	35	30	36	30	27	30	26	23	24	21	19	16				
8	54	41	34	29	49	38	32	27	33	27	24	27	23	20	22	19	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	21	18	15	13				
10	47	35	28	23	43	32	26	22	28	23	19	23	19	17	19	16	14	12				

**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	1.8
10°-20°	558.2	5.0
20°-30°	802.6	7.2
30°-40°	902.1	8.1
40°-50°	871.4	7.9
50°-60°	736.3	6.6
60°-70°	528.9	4.8
70°-80°	289.1	2.6
80°-90°	76.9	0.7
90°-100°	37.4	0.3
100°-110°	238.3	2.1
110°-120°	757.2	6.8
120°-130°	1098.8	9.9
130°-140°	1181.7	10.7
140°-150°	1112.6	10.0
150°-160°	906.4	8.2
160°-170°	590.0	5.3
170°-180°	203.9	1.8
0°-30°	1561.1	14.1
0°-40°	2463.2	22.2
0°-60°	4070.9	36.7
0°-90°	4965.8	44.8
90°-120°	1033.0	9.3
90°-150°	4426.1	39.9
90°-180°	6126.0	55.2
0°-180°	11092.2	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	0	2	2	6
95°	85	25	26	17	16	108
105°	447	464	47	54	58	471
115°	847	865	873	883	506	832
125°	1202	1224	1224	1245	1262	1075
135°	1513	1531	1529	1538	1558	1167
145°	1771	1785	1773	1775	1798	1107
155°	1967	1979	1958	1954	1981	907
165°	2097	2103	2082	2073	2094	592
175°	2160	2164	2136	2122	2133	205
180°	2149	2149	2149	2149	2149	



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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	18.3	16.0	16.0
90°	0.0	0.0	0.0	1.6	1.6
92.5°	23.6	9.0	6.2	9.0	9.0
95°	85.4	24.7	26.4	17.1	15.5
97.5°	177.4	39.8	38.2	42.0	43.5
100°	247.0	81.4	41.9	48.2	49.7
102.5°	324.1	306.8	43.2	52.0	54.7
105°	447.4	464.1	46.6	54.4	57.5
107.5°	568.6	585.3	216.9	56.3	59.3
110°	649.4	666.1	686.7	57.6	60.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	725.2	745.6	761.3	128.1	63.1
115°	846.7	864.9	873.1	883.2	506.5
117.5°	953.9	976.4	985.6	1003.1	1020.1
120°	1028.5	1049.7	1056.4	1073.9	1092.2
122.5°	1101.8	1120.6	1124.8	1144.8	1161.8
125°	1202.5	1223.7	1224.2	1244.8	1261.5
127.5°	1303.1	1321.4	1320.5	1335.9	1354.4
130°	1370.3	1382.4	1382.7	1395.6	1415.3
132.5°	1426.2	1443.2	1443.6	1454.0	1473.7
135°	1513.2	1531.4	1528.7	1538.5	1558.2
137.5°	1594.9	1612.5	1607.6	1615.9	1636.2
140°	1648.3	1663.5	1656.1	1664.4	1687.2
142.5°	1698.1	1713.3	1702.1	1709.2	1733.2
145°	1771.1	1784.8	1772.6	1774.7	1797.5
147.5°	1836.0	1849.4	1834.8	1836.8	1858.1
150°	1878.3	1890.4	1872.1	1874.1	1895.4
152.5°	1915.6	1926.5	1906.9	1906.5	1931.4
155°	1966.8	1979.0	1957.5	1953.5	1980.8
157.5°	2013.4	2024.7	2003.2	2000.3	2021.5
160°	2044.5	2052.1	2030.5	2026.4	2047.6
162.5°	2065.6	2074.5	2052.9	2046.2	2067.5
165°	2097.3	2103.4	2081.8	2073.0	2094.2
167.5°	2124.7	2131.7	2103.9	2096.0	2118.8
170°	2140.8	2145.4	2117.5	2107.2	2130.0
172.5°	2150.8	2154.1	2126.2	2114.5	2130.0
175°	2159.5	2164.0	2136.2	2122.4	2133.1
177.5°	2161.0	2163.5	2142.4	2130.4	2148.6
180°	2148.6	2148.6	2148.6	2148.6	2148.6

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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	19.05	19.86	20.05	20.87	22.21	17.95	18.76	18.95	19.77	21.11
	3H	20.69	21.41	21.70	22.43	23.80	19.47	20.20	20.49	21.22	22.58
	4H	21.32	22.00	22.34	23.02	24.40	20.04	20.73	21.07	21.75	23.13
	6H	21.72	22.35	22.75	23.37	24.76	20.41	21.04	21.45	22.07	23.46
	8H	21.86	22.46	22.90	23.51	24.89	20.55	21.15	21.59	22.20	23.58
	12H	21.93	22.50	22.98	23.54	24.95	20.61	21.18	21.66	22.22	23.63
4H	2H	19.45	20.14	20.48	21.16	22.53	18.58	19.26	19.61	20.29	21.66
	3H	21.32	21.89	22.36	22.94	24.32	20.31	20.88	21.35	21.93	23.32
	4H	22.06	22.58	23.11	23.63	25.03	20.98	21.50	22.03	22.55	23.95
	6H	22.58	23.02	23.63	24.09	25.50	21.45	21.90	22.51	22.97	24.37
	8H	22.78	23.20	23.84	24.26	25.68	21.64	22.06	22.70	23.12	24.54
	12H	22.88	23.26	23.96	24.34	25.76	21.73	22.10	22.80	23.18	24.60
8H	4H	22.21	22.63	23.27	23.69	25.11	21.25	21.67	22.31	22.73	24.15
	6H	22.85	23.20	23.93	24.30	25.72	21.85	22.20	22.93	23.30	24.71
	8H	23.14	23.45	24.23	24.53	25.97	22.12	22.43	23.21	23.51	24.95
	12H	23.31	23.58	24.41	24.66	26.14	22.27	22.54	23.36	23.62	25.10
12H	4H	22.19	22.57	23.27	23.64	25.07	21.25	21.63	22.33	22.70	24.13
	6H	22.88	23.18	23.97	24.27	25.71	21.91	22.22	23.00	23.30	24.74
	8H	23.19	23.46	24.29	24.54	26.02	22.22	22.48	23.31	23.56	25.04