

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: P1439617

Luminaire Tested: CB3-D-125U-120D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439617  
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-125U-120D-927-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

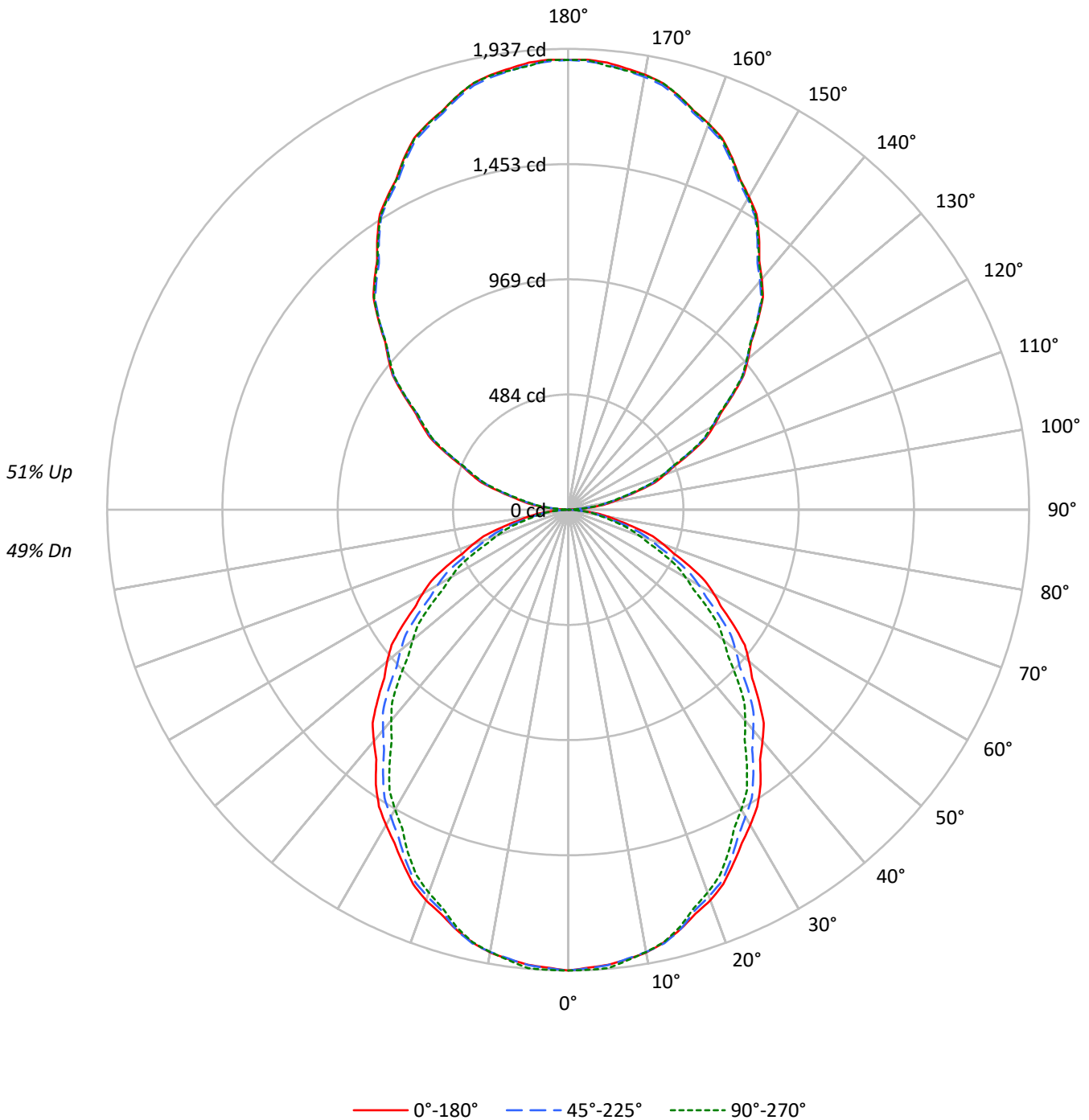
Lumens per Lamp: N/A  
Luminaire Lumens: 9507.9 lumens  
Efficiency: N/A  
Efficacy: 126.1 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 75.4  
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	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	27	34	28	24	29	24	21	24	21	18	16				
9	50	38	31	26	46	36	29	25	31	26	22	26	22	19	22	19	16	14				
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15	13				

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

	0°	45°	90°
0°	21915	21915	21915
5°	21812	21827	21969
10°	21717	21686	21686
15°	21385	21385	21256
20°	21038	20823	20623
25°	20490	20233	19872
30°	19989	19468	19002
35°	19462	18741	18076
40°	18761	17867	17095
45°	18125	17091	16035
50°	17470	16164	15002
55°	16758	15266	14020
60°	15990	14340	12910
65°	15089	13285	11740
70°	14053	12052	10460
75°	12739	10575	9316
80°	11109	8868	8242
85°	8568	7491	7491

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 18125 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.8	1.9
10°-20°	513.4	5.4
20°-30°	745.6	7.8
30°-40°	847.5	8.9
40°-50°	822.7	8.7
50°-60°	694.6	7.3
60°-70°	494.2	5.2
70°-80°	264.1	2.8
80°-90°	69.8	0.7
90°-100°	79.9	0.8
100°-110°	312.6	3.3
110°-120°	557.2	5.9
120°-130°	754.0	7.9
130°-140°	866.9	9.1
140°-150°	869.8	9.1
150°-160°	748.0	7.9
160°-170°	506.4	5.3
170°-180°	178.6	1.9
0°-30°	1441.8	15.2
0°-40°	2289.3	24.1
0°-60°	3806.6	40.0
0°-90°	4634.5	48.7
90°-120°	949.7	10.0
90°-150°	3440.4	36.2
90°-180°	4873.0	51.3
0°-180°	9507.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1937	1937	1937	1937	1937	
5°	1920	1945	1922	1919	1934	182
15°	1826	1842	1826	1815	1815	514
25°	1641	1647	1621	1599	1592	756
35°	1409	1396	1357	1317	1309	878
45°	1133	1115	1068	1017	1002	874
55°	850	827	774	724	711	760
65°	564	543	496	452	438	558
75°	291	275	242	217	213	311
85°	66	61	58	58	58	78
90°	0	0	0	0	0	6
95°	77	70	62	58	59	88
105°	303	302	291	287	284	323
115°	568	571	558	557	555	563
125°	847	857	840	837	838	757
135°	1128	1139	1121	1112	1124	870
145°	1398	1409	1386	1379	1392	873
155°	1631	1645	1618	1611	1628	750
165°	1801	1816	1792	1782	1801	507
175°	1886	1903	1878	1866	1873	179
180°	1891	1891	1891	1891	1891	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1936.9	1936.9	1936.9	1936.9	1936.9
2.5°	1927.0	1946.4	1929.2	1931.5	1935.8
5°	1920.4	1944.6	1921.8	1919.4	1934.3
7.5°	1905.6	1927.6	1903.9	1898.5	1910.5
10°	1890.2	1914.4	1887.5	1880.7	1887.5
12.5°	1862.7	1888.0	1866.6	1855.4	1861.1
15°	1825.6	1841.7	1825.6	1814.6	1814.6
17.5°	1780.2	1797.2	1766.8	1759.0	1755.7
20°	1747.2	1762.0	1729.4	1718.2	1712.8
22.5°	1703.3	1717.0	1689.8	1669.8	1664.4
25°	1641.3	1646.7	1620.7	1598.6	1591.8
27.5°	1580.6	1581.9	1546.2	1519.3	1510.5
30°	1530.0	1531.3	1490.1	1461.1	1454.4
32.5°	1479.4	1475.4	1436.2	1401.8	1397.2
35°	1409.0	1395.6	1356.8	1316.7	1308.7
37.5°	1324.1	1316.0	1270.2	1230.0	1217.9
40°	1270.2	1256.7	1209.7	1169.5	1157.4
42.5°	1216.3	1200.7	1152.5	1107.9	1094.8
45°	1132.7	1115.2	1068.1	1016.9	1002.1
47.5°	1048.6	1029.5	977.6	928.1	911.7
50°	992.5	972.3	918.3	869.7	852.3
52.5°	935.3	914.1	860.0	810.4	796.2
55°	849.5	826.7	773.9	724.1	710.7
57.5°	763.7	741.2	688.7	641.6	625.5
60°	706.6	685.1	633.7	586.6	570.5
62.5°	648.3	627.8	577.6	531.6	516.6
65°	563.6	543.4	496.2	452.0	438.5
67.5°	479.7	462.5	416.0	375.3	364.6
70°	424.8	408.6	364.3	326.9	316.2
72.5°	372.0	354.8	312.6	280.8	273.3
75°	291.4	275.3	241.9	217.1	213.1
77.5°	217.7	204.6	175.7	161.6	159.5
80°	170.5	158.4	136.1	126.5	126.5
82.5°	126.5	116.5	102.0	97.9	97.9
85°	66.0	60.6	57.7	57.7	57.7
87.5°	19.8	19.8	18.7	17.6	17.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	20.9	18.6	11.6	9.3	9.3
95°	76.8	69.8	62.3	58.0	59.4
97.5°	141.8	135.0	125.8	121.5	122.7
100°	187.0	181.4	171.1	166.7	166.7
102.5°	231.1	227.7	217.5	213.2	214.3
105°	303.0	301.6	291.4	287.0	284.2
107.5°	382.5	379.9	368.6	368.2	365.7
110°	433.5	432.1	421.9	420.4	419.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	485.7	487.7	476.4	474.9	473.5
115°	568.4	571.2	558.2	556.7	555.3
117.5°	653.0	657.0	643.2	641.7	639.1
120°	707.5	716.0	698.8	697.4	695.9
122.5°	763.2	770.6	754.5	751.9	751.6
125°	846.7	856.7	839.5	836.6	838.0
127.5°	930.2	940.5	924.4	918.7	921.8
130°	985.9	997.3	980.1	974.4	978.7
132.5°	1042.8	1054.1	1037.0	1031.3	1037.8
135°	1128.0	1139.3	1120.8	1112.3	1123.7
137.5°	1211.2	1221.2	1200.8	1195.0	1206.9
140°	1265.7	1275.7	1254.1	1247.2	1261.4
142.5°	1319.1	1330.2	1306.3	1299.4	1314.8
145°	1397.7	1409.0	1386.1	1379.1	1391.9
147.5°	1473.1	1484.7	1461.5	1453.4	1466.4
150°	1519.5	1532.2	1507.9	1500.9	1515.1
152.5°	1564.7	1578.6	1553.1	1545.1	1562.7
155°	1631.1	1645.3	1618.1	1611.2	1628.2
157.5°	1690.8	1703.9	1679.3	1672.3	1687.1
160°	1726.8	1741.0	1715.2	1708.3	1725.4
162.5°	1758.1	1772.3	1748.8	1739.7	1756.7
165°	1800.8	1816.3	1792.1	1782.3	1800.8
167.5°	1836.4	1853.1	1827.4	1818.6	1837.0
170°	1857.3	1872.9	1847.1	1836.0	1854.4
172.5°	1871.2	1886.8	1861.1	1849.8	1862.5
175°	1886.3	1903.3	1877.6	1866.2	1873.2
177.5°	1893.0	1906.6	1886.0	1875.9	1891.8
180°	1890.6	1890.6	1890.6	1890.6	1890.6



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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	17.75	18.59	18.72	19.58	20.87	16.68	17.52	17.65	18.50	19.79
	3H	19.42	20.17	20.40	21.16	22.47	18.09	18.84	19.07	19.83	21.14
	4H	20.05	20.76	21.04	21.76	23.08	18.60	19.32	19.60	20.31	21.63
	6H	20.43	21.09	21.44	22.09	23.42	18.92	19.58	19.93	20.58	21.91
	8H	20.57	21.19	21.58	22.21	23.54	19.04	19.67	20.06	20.68	22.01
	12H	20.64	21.23	21.65	22.24	23.59	19.12	19.71	20.13	20.72	22.08
4H	2H	18.16	18.87	19.16	19.87	21.19	17.30	18.01	18.30	19.01	20.33
	3H	20.05	20.64	21.06	21.66	23.00	18.92	19.51	19.93	20.54	21.87
	4H	20.80	21.34	21.81	22.35	23.71	19.52	20.07	20.54	21.08	22.44
	6H	21.30	21.76	22.32	22.80	24.16	19.93	20.40	20.96	21.44	22.80
	8H	21.49	21.92	22.52	22.96	24.32	20.10	20.54	21.13	21.57	22.94
	12H	21.58	21.98	22.63	23.03	24.40	20.21	20.60	21.26	21.65	23.02
8H	4H	20.92	21.36	21.95	22.39	23.76	19.78	20.22	20.81	21.25	22.62
	6H	21.54	21.90	22.59	22.98	24.34	20.31	20.67	21.36	21.75	23.11
	8H	21.82	22.13	22.88	23.19	24.58	20.56	20.88	21.62	21.94	23.33
	12H	21.98	22.26	23.04	23.31	24.74	20.74	21.02	21.80	22.07	23.50
12H	4H	20.89	21.29	21.94	22.34	23.71	19.78	20.18	20.83	21.23	22.60
	6H	21.56	21.87	22.62	22.93	24.32	20.37	20.69	21.43	21.75	23.13
	8H	21.86	22.13	22.92	23.19	24.62	20.65	20.93	21.71	21.98	23.41