

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: P1438817

Luminaire Tested: CB2-125U-055D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438817  
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-055D-935-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

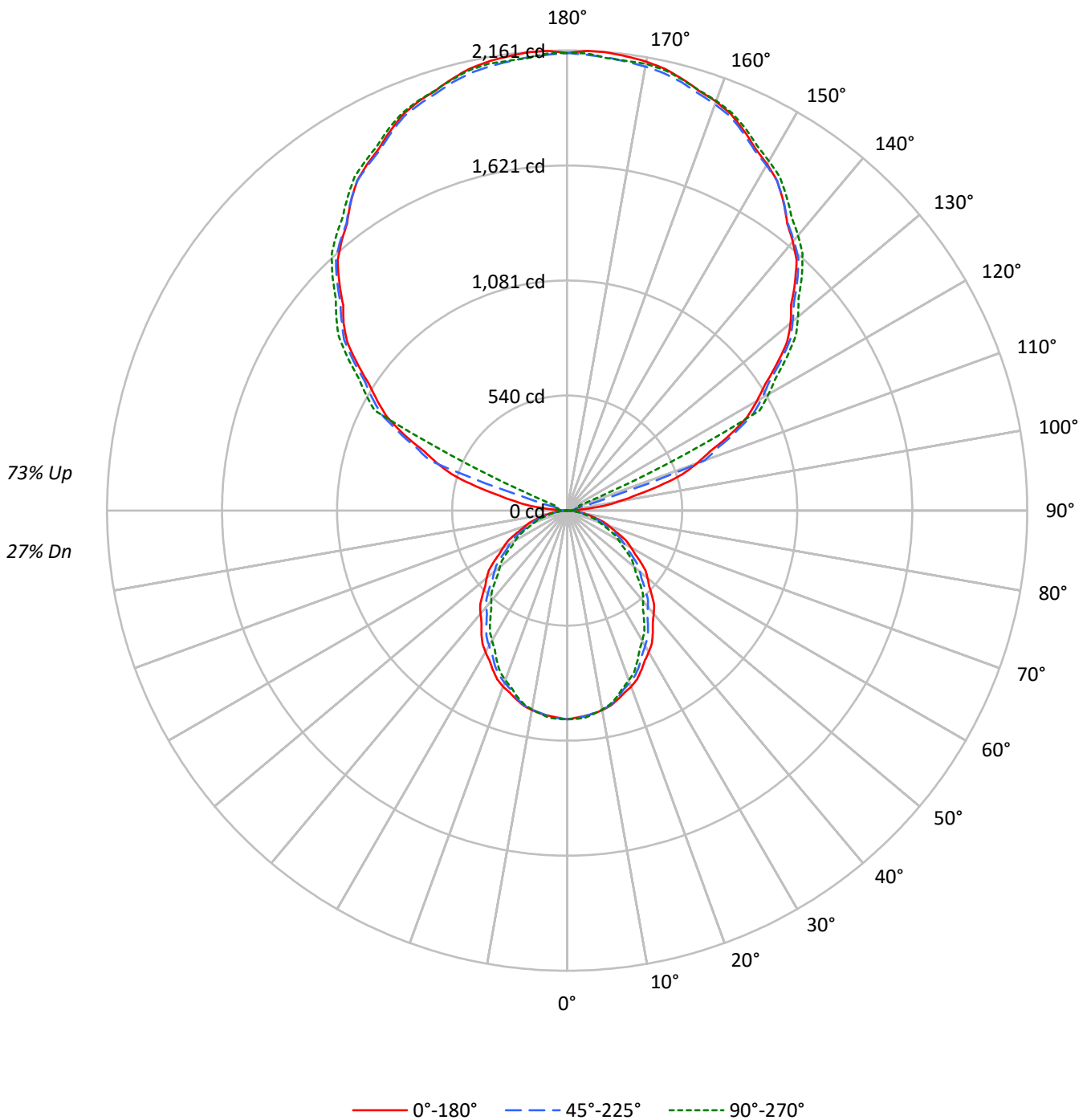
Lumens per Lamp: N/A  
Luminaire Lumens: 8411.8 lumens  
Efficiency: N/A  
Efficacy: 146.3 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 57.5  
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									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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27																				
1	93	89	85	82	83	79	76	73	62	60	58	46	45	43	31	30	30	23																				
2	85	77	72	67	75	69	65	60	54	51	48	40	38	36	28	26	25	19																				
3	77	68	61	56	69	61	55	50	48	44	40	36	33	31	24	23	22	17																				
4	70	60	53	47	63	54	48	43	43	38	34	32	29	26	22	20	19	14																				
5	65	54	46	40	58	48	42	37	38	33	30	29	25	23	20	18	16	13																				
6	59	48	40	35	53	43	37	32	34	29	26	26	23	20	18	16	14	11																				
7	55	43	36	30	49	39	32	28	31	26	23	23	20	18	16	14	13	10																				
8	51	39	32	27	45	35	29	24	28	23	20	21	18	16	15	13	11	9																				
9	47	36	28	24	42	32	26	22	26	21	18	20	16	14	14	12	10	8																				
10	44	32	26	21	39	29	23	19	24	19	16	18	15	13	13	11	9	7																				

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

	0°	45°	90°
0°	17069	17069	17069
5°	16924	16951	17070
10°	16828	16788	16775
15°	16562	16454	16319
20°	16302	15938	15716
25°	15862	15417	14984
30°	15424	14744	14187
35°	14918	14057	13387
40°	14383	13410	12626
45°	13843	12735	11885
50°	13359	12077	11164
55°	12760	11393	10482
60°	12077	10743	9802
65°	11350	10019	9125
70°	10547	9207	8255
75°	9596	8331	7477
80°	8576	7302	6770
85°	6595	5995	4956

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13843 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.2	1.1
10°-20°	256.9	3.1
20°-30°	369.4	4.4
30°-40°	415.2	4.9
40°-50°	401.1	4.8
50°-60°	338.9	4.0
60°-70°	243.4	2.9
70°-80°	133.0	1.6
80°-90°	35.4	0.4
90°-100°	37.4	0.4
100°-110°	238.3	2.8
110°-120°	757.2	9.0
120°-130°	1098.8	13.1
130°-140°	1181.7	14.0
140°-150°	1112.6	13.2
150°-160°	906.4	10.8
160°-170°	590.0	7.0
170°-180°	203.9	2.4
0°-30°	718.4	8.5
0°-40°	1133.6	13.5
0°-60°	1873.5	22.3
0°-90°	2285.4	27.2
90°-120°	1033.0	12.3
90°-150°	4426.1	52.6
90°-180°	6126.0	72.8
0°-180°	8411.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	980	980	980	980	980	
5°	968	981	970	970	976	92
15°	918	926	912	904	905	259
25°	825	826	802	784	780	380
35°	702	694	661	635	630	438
45°	562	550	517	490	482	434
55°	420	405	375	352	345	376
65°	275	265	243	226	221	273
75°	143	134	124	114	111	153
85°	33	31	30	26	25	39
90°	0	0	0	2	2	5
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°	980.0	980.0	980.0	980.0	980.0
2.5°	973.4	985.1	976.4	977.6	979.4
5°	968.0	981.2	969.5	969.7	976.3
7.5°	961.1	973.6	958.8	956.1	962.3
10°	951.5	964.0	949.2	944.1	948.5
12.5°	938.9	950.8	936.6	928.5	932.3
15°	918.5	926.5	912.5	903.5	905.0
17.5°	896.3	901.3	881.0	873.4	872.0
20°	879.5	883.9	859.9	849.4	847.9
22.5°	857.8	861.7	836.5	823.6	821.5
25°	825.4	826.2	802.2	784.1	779.7
27.5°	791.5	789.2	762.5	741.1	735.4
30°	766.9	764.0	733.1	710.5	705.4
32.5°	740.5	735.2	704.3	679.9	674.8
35°	701.6	693.5	661.1	635.4	629.6
37.5°	660.2	651.1	619.2	591.3	584.7
40°	632.6	622.3	589.8	561.9	555.3
42.5°	605.0	593.5	560.4	532.5	525.3
45°	562.0	550.3	517.0	489.8	482.5
47.5°	521.2	506.3	473.9	446.9	439.6
50°	493.0	476.9	445.7	419.3	412.0
52.5°	464.2	447.5	417.5	392.3	385.0
55°	420.2	404.8	375.2	351.8	345.2
57.5°	376.7	361.9	334.8	312.5	306.0
60°	346.7	334.2	308.4	287.3	281.4
62.5°	317.9	306.6	282.0	262.7	256.8
65°	275.4	265.1	243.1	225.8	221.4
67.5°	234.1	223.8	206.1	190.5	185.5
70°	207.1	196.8	180.8	166.5	162.1
72.5°	181.3	170.4	157.4	144.3	141.1
75°	142.6	133.8	123.8	114.0	111.1
77.5°	108.4	99.8	92.6	85.7	84.9
80°	85.5	78.2	72.8	68.3	67.5
82.5°	63.9	58.4	54.8	51.5	51.3
85°	33.0	30.8	30.0	26.2	24.8
87.5°	9.6	9.6	8.4	7.5	7.5
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	14.24	14.92	15.37	16.04	17.61	13.14	13.82	14.27	14.94	16.51
	3H	15.87	16.48	17.01	17.61	19.19	14.65	15.26	15.79	16.39	17.98
	4H	16.49	17.07	17.64	18.20	19.79	15.22	15.80	16.37	16.93	18.51
	6H	16.88	17.42	18.04	18.55	20.15	15.58	16.11	16.74	17.25	18.84
	8H	17.03	17.53	18.19	18.68	20.27	15.71	16.22	16.88	17.37	18.96
	12H	17.09	17.57	18.26	18.72	20.33	15.77	16.25	16.94	17.40	19.01
4H	2H	14.63	15.21	15.78	16.34	17.92	13.75	14.33	14.91	15.46	17.05
	3H	16.48	16.96	17.64	18.12	19.72	15.47	15.95	16.63	17.11	18.71
	4H	17.22	17.66	18.38	18.81	20.42	16.14	16.58	17.30	17.73	19.34
	6H	17.73	18.11	18.90	19.28	20.88	16.60	16.98	17.77	18.15	19.76
	8H	17.93	18.28	19.10	19.44	21.07	16.79	17.14	17.96	18.30	19.93
	12H	18.02	18.35	19.21	19.52	21.15	16.87	17.19	18.05	18.36	19.99
8H	4H	17.36	17.71	18.53	18.87	20.50	16.40	16.75	17.56	17.91	19.53
	6H	17.99	18.29	19.18	19.49	21.11	16.99	17.29	18.18	18.49	20.11
	8H	18.28	18.54	19.48	19.72	21.36	17.27	17.52	18.46	18.70	20.34
	12H	18.45	18.67	19.65	19.85	21.52	17.41	17.63	18.61	18.81	20.48
12H	4H	17.33	17.65	18.52	18.82	20.45	16.39	16.71	17.58	17.88	19.51
	6H	18.02	18.28	19.22	19.46	21.10	17.05	17.31	18.25	18.49	20.13
	8H	18.33	18.55	19.53	19.73	21.40	17.35	17.58	18.55	18.75	20.43