

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: P1439081

Luminaire Tested: CB2-D-125U-055D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439081  
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-055D-927-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

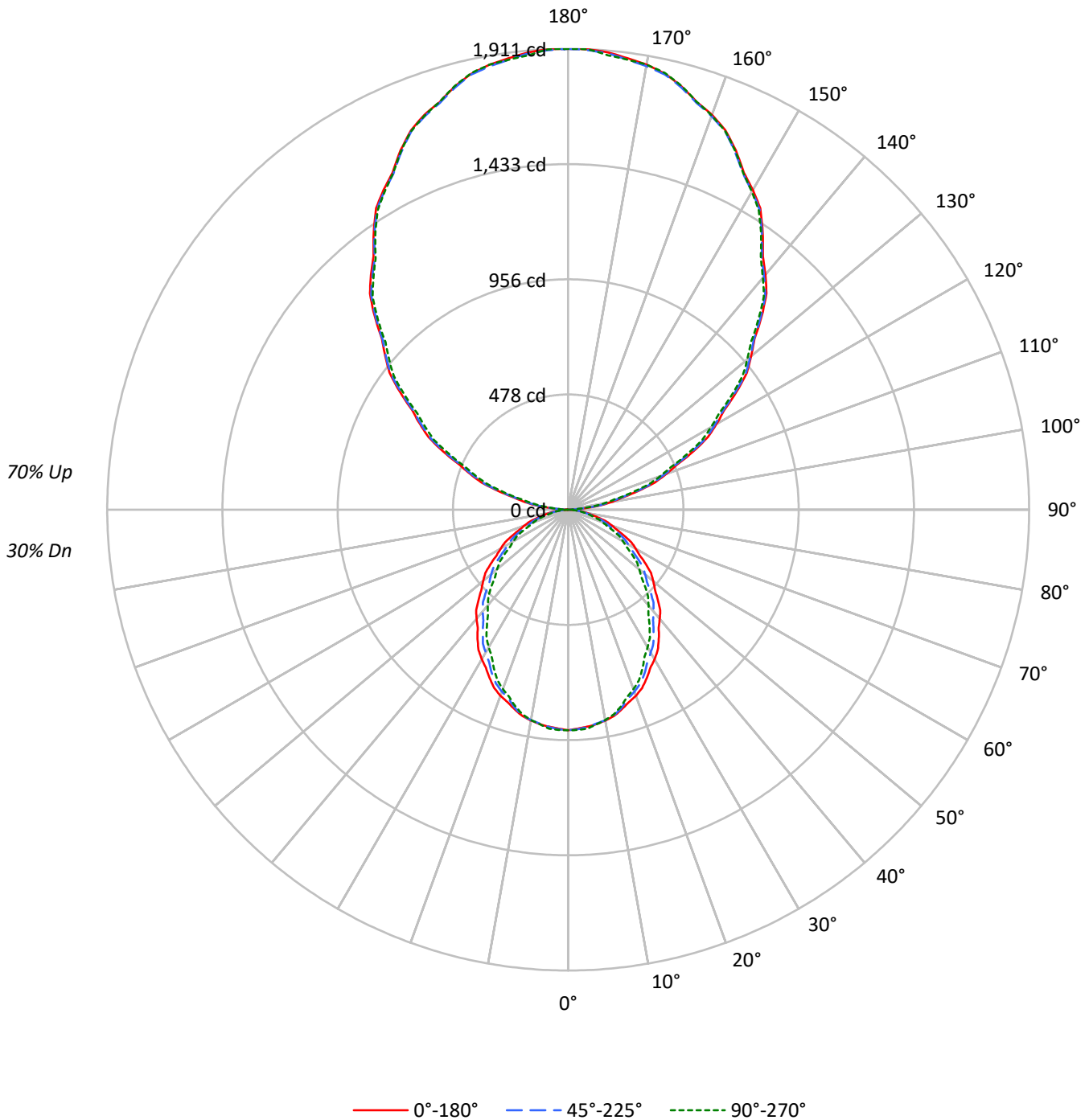
Lumens per Lamp: N/A  
Luminaire Lumens: 7006.8 lumens  
Efficiency: N/A  
Efficacy: 121.9 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

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				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	0
RCR																		
0	102	102	102	102	92	92	92	92	72	72	72	55	55	55	38	38	38	30
1	94	89	86	82	84	80	77	74	64	61	60	48	47	46	34	33	32	26
2	85	78	72	67	76	70	65	61	56	52	49	42	40	38	30	29	27	22
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	23	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16
5	65	54	46	41	58	49	42	37	39	34	31	30	27	24	21	19	18	14
6	60	48	41	35	54	44	37	32	35	30	27	27	24	21	20	17	16	12
7	55	44	36	31	50	40	33	28	32	27	23	25	21	19	18	16	14	11
8	51	39	32	27	46	36	29	25	29	24	21	22	19	17	16	14	12	10
9	48	36	29	24	43	33	26	22	26	22	18	21	17	15	15	13	11	9
10	45	33	26	21	40	30	24	20	24	20	17	19	16	13	14	12	10	8

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

	0°	45°	90°
0°	15930	15930	15930
5°	15795	15819	15930
10°	15705	15668	15656
15°	15457	15356	15230
20°	15214	14874	14667
25°	14804	14387	13983
30°	14394	13761	13240
35°	13923	13119	12494
40°	13424	12514	11782
45°	12919	11885	11092
50°	12467	11272	10419
55°	11910	10634	9781
60°	11269	10025	9148
65°	10592	9351	8515
70°	9844	8596	7705
75°	8957	7779	6972
80°	8004	6811	6319
85°	6155	5596	4616

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12919 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.0	1.2
10°-20°	239.8	3.4
20°-30°	344.7	4.9
30°-40°	387.5	5.5
40°-50°	374.3	5.3
50°-60°	316.2	4.5
60°-70°	227.1	3.2
70°-80°	124.2	1.8
80°-90°	33.1	0.5
90°-100°	73.8	1.1
100°-110°	304.5	4.3
110°-120°	552.8	7.9
120°-130°	752.2	10.7
130°-140°	868.3	12.4
140°-150°	875.0	12.5
150°-160°	755.1	10.8
160°-170°	511.8	7.3
170°-180°	180.5	2.6
0°-30°	670.5	9.6
0°-40°	1057.9	15.1
0°-60°	1748.5	25.0
0°-90°	2132.9	30.4
90°-120°	931.1	13.3
90°-150°	3426.6	48.9
90°-180°	4874.0	69.6
0°-180°	7006.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	915	915	915	915	915	
5°	903	916	905	905	911	86
15°	857	865	852	843	845	242
25°	770	771	749	732	728	355
35°	655	647	617	593	588	409
45°	524	514	482	457	450	405
55°	392	378	350	328	322	351
65°	257	247	227	211	207	255
75°	133	125	116	106	104	142
85°	31	29	28	24	23	37
90°	0	0	2	0	2	4
95°	72	63	60	46	46	83
105°	301	297	289	273	270	319
115°	572	571	560	544	543	565
125°	851	860	842	824	826	760
135°	1134	1148	1128	1108	1115	874
145°	1406	1422	1400	1384	1394	878
155°	1644	1660	1637	1627	1640	756
165°	1817	1836	1813	1803	1819	512
175°	1904	1924	1899	1887	1892	181
180°	1911	1911	1911	1911	1911	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	914.6	914.6	914.6	914.6	914.6
2.5°	908.4	919.4	911.2	912.4	914.0
5°	903.4	915.7	904.8	904.9	911.1
7.5°	896.9	908.6	894.8	892.3	898.1
10°	888.0	899.6	885.9	881.1	885.2
12.5°	876.2	887.3	874.1	866.5	870.1
15°	857.2	864.7	851.6	843.2	844.6
17.5°	836.4	841.1	822.2	815.1	813.8
20°	820.8	824.9	802.5	792.7	791.3
22.5°	800.6	804.1	780.7	768.6	766.7
25°	770.3	771.0	748.6	731.7	727.6
27.5°	738.7	736.5	711.6	691.6	686.3
30°	715.7	713.0	684.2	663.1	658.3
32.5°	691.1	686.1	657.3	634.5	629.7
35°	654.8	647.3	617.0	593.0	587.6
37.5°	616.1	607.6	577.9	551.8	545.7
40°	590.4	580.8	550.4	524.4	518.2
42.5°	564.6	553.9	523.0	496.9	490.2
45°	524.5	513.6	482.5	457.1	450.3
47.5°	486.4	472.5	442.3	417.1	410.2
50°	460.1	445.0	416.0	391.3	384.5
52.5°	433.2	417.6	389.6	366.1	359.3
55°	392.2	377.8	350.2	328.3	322.1
57.5°	351.6	337.7	312.5	291.6	285.6
60°	323.5	311.9	287.8	268.1	262.6
62.5°	296.6	286.1	263.2	245.1	239.6
65°	257.0	247.4	226.9	210.7	206.6
67.5°	218.5	208.9	192.3	177.8	173.1
70°	193.3	183.7	168.8	155.4	151.3
72.5°	169.2	159.1	146.9	134.7	131.7
75°	133.1	124.8	115.6	106.4	103.6
77.5°	101.1	93.2	86.4	80.0	79.3
80°	79.8	73.0	67.9	63.7	63.0
82.5°	59.7	54.5	51.1	48.0	47.9
85°	30.8	28.8	28.0	24.5	23.1
87.5°	9.0	9.0	8.1	6.7	7.0
90°	0.0	0.0	1.5	0.0	1.5
92.5°	17.9	15.6	14.6	9.6	11.0
95°	71.6	62.8	59.6	46.2	46.2
97.5°	135.1	126.3	121.6	107.9	104.9
100°	180.4	171.6	167.0	152.0	149.1
102.5°	226.9	222.8	214.7	198.5	195.6
105°	301.1	296.8	289.2	272.7	269.8
107.5°	377.5	378.3	367.0	353.5	349.4
110°	432.3	430.9	421.9	408.4	405.5

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	488.4	485.7	476.7	463.3	460.3
115°	572.4	571.0	560.5	544.1	542.6
117.5°	652.3	657.0	644.6	627.3	626.7
120°	709.6	715.4	700.6	685.7	682.8
122.5°	765.6	772.6	757.9	740.6	741.2
125°	851.2	860.0	842.3	824.4	825.9
127.5°	933.8	944.6	928.1	910.0	911.7
130°	989.9	1003.0	985.4	966.1	969.0
132.5°	1047.1	1060.2	1042.6	1022.2	1027.4
135°	1134.5	1147.6	1128.5	1107.8	1115.1
137.5°	1216.7	1229.9	1209.0	1191.6	1200.3
140°	1271.6	1284.7	1262.7	1246.5	1255.2
142.5°	1325.3	1340.7	1317.5	1300.2	1311.3
145°	1405.8	1421.8	1399.8	1383.6	1393.8
147.5°	1482.1	1498.1	1475.8	1460.3	1470.8
150°	1531.0	1547.0	1523.5	1510.4	1522.0
152.5°	1576.3	1594.7	1570.0	1557.0	1572.1
155°	1644.3	1660.3	1636.8	1626.7	1639.8
157.5°	1703.3	1722.0	1698.5	1689.8	1700.3
160°	1742.7	1760.2	1736.7	1728.0	1739.7
162.5°	1772.5	1791.1	1768.9	1759.1	1773.1
165°	1817.2	1836.2	1812.7	1802.7	1818.7
167.5°	1852.4	1872.5	1848.8	1838.5	1854.8
170°	1873.9	1892.8	1867.9	1856.4	1873.9
172.5°	1888.2	1908.3	1882.2	1870.5	1882.2
175°	1903.7	1924.1	1899.2	1887.4	1891.7
177.5°	1911.1	1927.5	1907.6	1897.1	1911.1
180°	1911.1	1911.1	1911.1	1911.1	1911.1

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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	14.46	15.16	15.57	16.27	17.79	13.36	14.06	14.47	15.17	16.69
	3H	16.09	16.72	17.21	17.84	19.38	14.88	15.51	16.00	16.62	18.16
	4H	16.71	17.31	17.84	18.43	19.97	15.44	16.04	16.57	17.15	18.70
	6H	17.11	17.66	18.25	18.77	20.33	15.81	16.36	16.94	17.47	19.03
	8H	17.25	17.78	18.39	18.91	20.46	15.94	16.46	17.08	17.60	19.15
	12H	17.32	17.82	18.47	18.94	20.52	16.00	16.49	17.14	17.62	19.20
4H	2H	14.85	15.45	15.99	16.56	18.11	13.98	14.57	15.11	15.69	17.24
	3H	16.71	17.20	17.85	18.34	19.90	15.70	16.19	16.84	17.33	18.90
	4H	17.44	17.90	18.59	19.03	20.61	16.36	16.82	17.51	17.95	19.53
	6H	17.96	18.35	19.11	19.50	21.07	16.83	17.22	17.98	18.37	19.95
	8H	18.16	18.52	19.31	19.67	21.25	17.02	17.38	18.17	18.53	20.11
	12H	18.26	18.59	19.42	19.74	21.33	17.10	17.43	18.26	18.58	20.18
8H	4H	17.59	17.95	18.74	19.10	20.69	16.63	16.99	17.78	18.13	19.72
	6H	18.22	18.53	19.39	19.71	21.30	17.22	17.52	18.39	18.71	20.29
	8H	18.51	18.78	19.69	19.94	21.55	17.50	17.76	18.67	18.92	20.53
	12H	18.68	18.91	19.86	20.07	21.71	17.64	17.87	18.82	19.03	20.67
12H	4H	17.56	17.89	18.73	19.05	20.64	16.62	16.95	17.79	18.11	19.70
	6H	18.25	18.51	19.43	19.68	21.28	17.28	17.55	18.46	18.71	20.32
	8H	18.56	18.79	19.74	19.95	21.59	17.58	17.81	18.76	18.98	20.61