

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: P1439073

Luminaire Tested: CB2-D-125U-030D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439073
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-030D-927-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

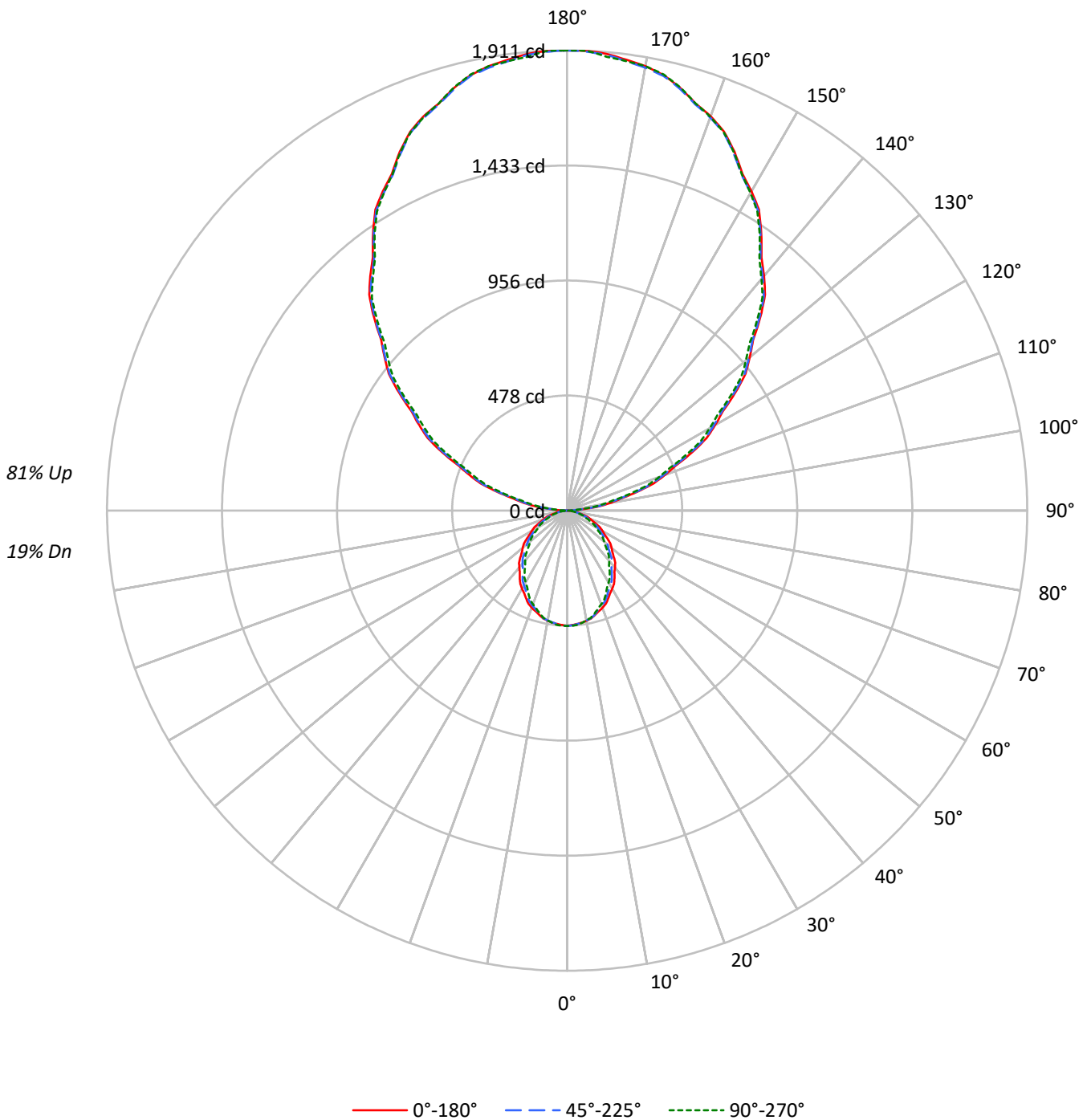
Lumens per Lamp: N/A
Luminaire Lumens: 5990.5 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.23
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 48.6
Input Voltage (V): 120
Input Current (A_{in}): 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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27	19				
1	91	87	83	80	80	77	74	71	58	56	54	40	39	38	24	24	23	16				
2	83	76	70	65	73	67	62	58	51	47	45	35	33	32	21	20	20	13				
3	75	67	60	54	66	59	53	49	45	41	38	31	29	27	19	18	17	11				
4	69	59	51	46	60	52	46	41	40	35	32	28	25	23	17	16	14	10				
5	63	52	45	39	55	46	40	35	35	31	27	25	22	20	15	14	13	9				
6	58	47	39	34	51	41	35	30	32	27	24	22	20	17	14	12	11	8				
7	53	42	34	29	47	37	31	26	29	24	21	20	17	15	13	11	10	7				
8	49	38	31	26	44	34	27	23	26	21	18	19	16	13	12	10	9	6				
9	46	34	27	23	40	31	25	20	24	19	16	17	14	12	11	9	8	5				
10	43	31	25	20	38	28	22	18	22	17	14	16	13	11	10	8	7	5				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8339	8339	8339
5°	8268	8280	8338
10°	8220	8201	8196
15°	8091	8039	7972
20°	7963	7787	7677
25°	7749	7531	7320
30°	7534	7202	6931
35°	7289	6868	6540
40°	7026	6550	6168
45°	6764	6222	5806
50°	6525	5899	5455
55°	6234	5566	5120
60°	5901	5250	4790
65°	5543	4896	4455
70°	5154	4497	4033
75°	4690	4071	3654
80°	4193	3571	3310
85°	3217	2938	2418

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6764 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	0.8
10°-20°	125.5	2.1
20°-30°	180.4	3.0
30°-40°	202.8	3.4
40°-50°	195.9	3.3
50°-60°	165.5	2.8
60°-70°	118.9	2.0
70°-80°	65.0	1.1
80°-90°	17.4	0.3
90°-100°	73.8	1.2
100°-110°	304.5	5.1
110°-120°	552.8	9.2
120°-130°	752.2	12.6
130°-140°	868.3	14.5
140°-150°	875.0	14.6
150°-160°	755.1	12.6
160°-170°	511.8	8.5
170°-180°	180.5	3.0
0°-30°	351.0	5.9
0°-40°	553.8	9.2
0°-60°	915.2	15.3
0°-90°	1116.5	18.6
90°-120°	931.1	15.5
90°-150°	3426.6	57.2
90°-180°	4874.0	81.4
0°-180°	5990.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	479	479	479	479	479	
5°	473	479	474	474	477	45
15°	449	453	446	441	442	126
25°	403	404	392	383	381	186
35°	343	339	323	310	308	214
45°	275	269	253	239	236	212
55°	205	198	183	172	169	184
65°	134	130	119	110	108	133
75°	70	65	60	56	54	75
85°	16	15	15	13	12	19
90°	0	0	2	0	2	3
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°	478.8	478.8	478.8	478.8	478.8
2.5°	475.5	481.3	477.0	477.6	478.5
5°	472.9	479.3	473.6	473.7	476.9
7.5°	469.5	475.6	468.4	467.1	470.1
10°	464.8	470.9	463.7	461.2	463.4
12.5°	458.7	464.5	457.6	453.6	455.4
15°	448.7	452.6	445.8	441.4	442.1
17.5°	437.8	440.3	430.4	426.7	426.0
20°	429.6	431.8	420.1	415.0	414.2
22.5°	419.1	420.9	408.7	402.3	401.3
25°	403.2	403.6	391.9	383.0	380.9
27.5°	386.7	385.5	372.5	362.0	359.2
30°	374.6	373.2	358.1	347.1	344.6
32.5°	361.7	359.2	344.1	332.1	329.6
35°	342.8	338.8	323.0	310.4	307.6
37.5°	322.5	318.1	302.5	288.9	285.6
40°	309.0	304.0	288.1	274.5	271.3
42.5°	295.5	289.9	273.8	260.1	256.6
45°	274.6	268.8	252.6	239.3	235.7
47.5°	254.6	247.3	231.5	218.3	214.7
50°	240.8	233.0	217.7	204.8	201.3
52.5°	226.8	218.6	204.0	191.6	188.1
55°	205.3	197.8	183.3	171.9	168.6
57.5°	184.0	176.8	163.6	152.6	149.5
60°	169.4	163.3	150.7	140.3	137.5
62.5°	155.3	149.8	137.8	128.3	125.4
65°	134.5	129.5	118.8	110.3	108.1
67.5°	114.4	109.4	100.7	93.1	90.6
70°	101.2	96.2	88.3	81.3	79.2
72.5°	88.6	83.3	76.9	70.5	68.9
75°	69.7	65.3	60.5	55.7	54.3
77.5°	52.9	48.8	45.2	41.9	41.5
80°	41.8	38.2	35.6	33.4	33.0
82.5°	31.2	28.5	26.8	25.1	25.1
85°	16.1	15.1	14.7	12.8	12.1
87.5°	4.7	4.7	4.4	3.5	3.8
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	10.27	10.90	11.46	12.07	13.73	9.17	9.80	10.36	10.97	12.63
	3H	11.90	12.46	13.09	13.64	15.31	10.68	11.24	11.87	12.42	14.09
	4H	12.52	13.05	13.72	14.23	15.91	11.24	11.78	12.44	12.96	14.63
	6H	12.91	13.40	14.12	14.58	16.27	11.60	12.10	12.81	13.27	14.96
	8H	13.05	13.52	14.26	14.71	16.39	11.74	12.21	12.95	13.40	15.08
	12H	13.11	13.56	14.33	14.74	16.44	11.79	12.24	13.01	13.42	15.12
4H	2H	10.65	11.19	11.86	12.36	14.04	9.77	10.31	10.99	11.49	13.16
	3H	12.50	12.95	13.71	14.15	15.84	11.49	11.94	12.70	13.14	14.83
	4H	13.24	13.65	14.45	14.84	16.54	12.15	12.57	13.37	13.76	15.46
	6H	13.74	14.10	14.96	15.31	17.00	12.62	12.97	13.83	14.18	15.87
	8H	13.94	14.27	15.16	15.47	17.18	12.80	13.13	14.02	14.33	16.04
	12H	14.04	14.34	15.27	15.55	17.26	12.88	13.18	14.11	14.39	16.10
8H	4H	13.37	13.70	14.59	14.90	16.62	12.41	12.74	13.62	13.94	15.65
	6H	14.01	14.28	15.24	15.52	17.23	13.01	13.28	14.24	14.52	16.23
	8H	14.29	14.53	15.53	15.75	17.48	13.28	13.51	14.52	14.73	16.46
	12H	14.46	14.67	15.70	15.88	17.64	13.42	13.62	14.66	14.84	16.60
12H	4H	13.34	13.64	14.57	14.85	16.57	12.40	12.70	13.63	13.91	15.63
	6H	14.03	14.27	15.27	15.49	17.22	13.07	13.30	14.30	14.52	16.25
	8H	14.34	14.55	15.58	15.76	17.52	13.36	13.57	14.60	14.79	16.54