

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: P1439077

Luminaire Tested: CB2-D-125U-030D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439077
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-935-1D-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

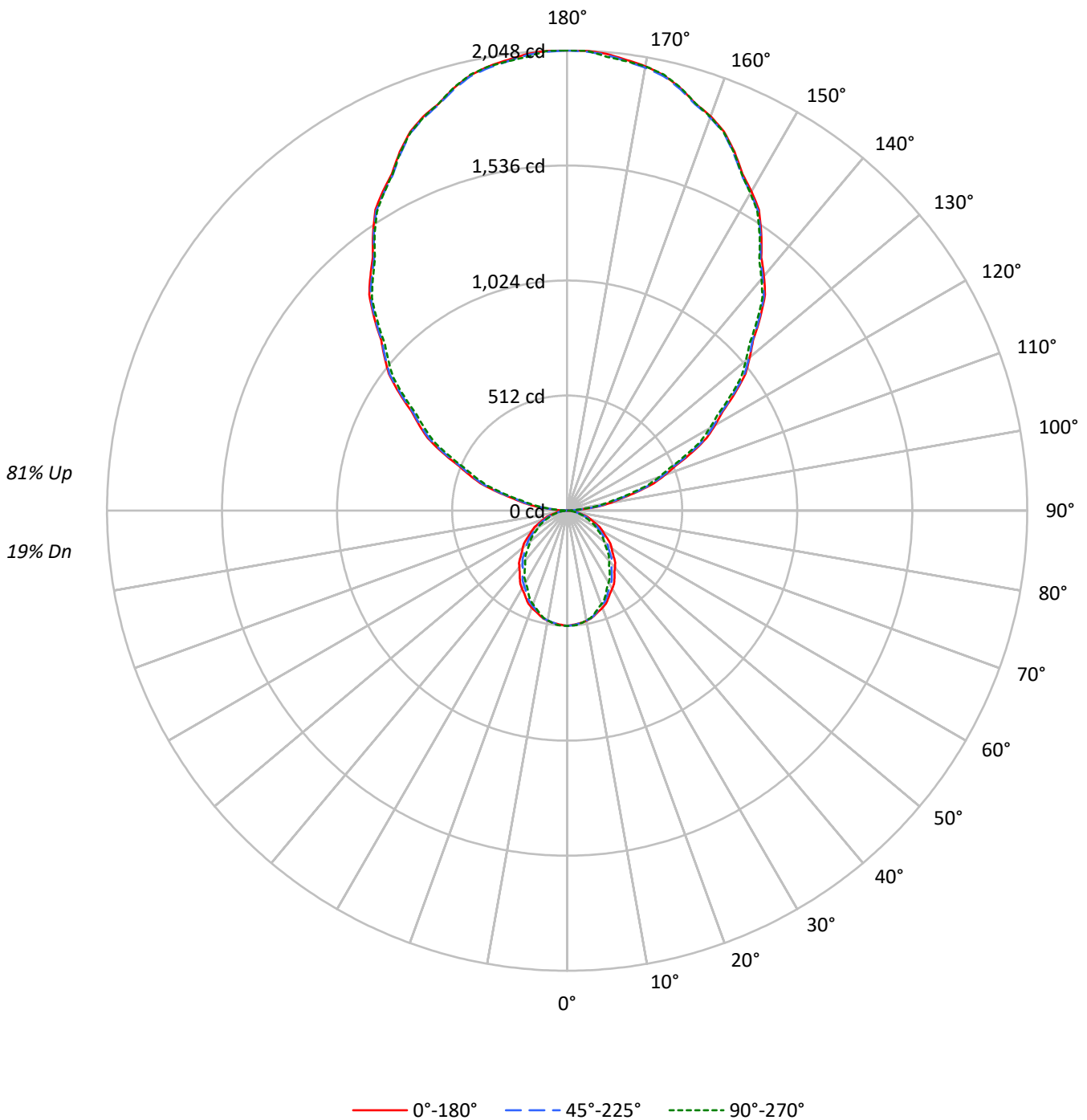
Lumens per Lamp: N/A
Luminaire Lumens: 6418.9 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.23
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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										
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	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°	8935	8935	8935
5°	8859	8873	8934
10°	8809	8788	8781
15°	8670	8612	8542
20°	8534	8343	8228
25°	8304	8070	7843
30°	8073	7719	7425
35°	7810	7359	7008
40°	7528	7019	6610
45°	7247	6665	6222
50°	6994	6322	5842
55°	6681	5964	5487
60°	6322	5622	5131
65°	5943	5246	4777
70°	5520	4823	4318
75°	5020	4361	3910
80°	4494	3822	3551
85°	3457	3138	2598

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7247 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.2	0.8
10°-20°	134.5	2.1
20°-30°	193.4	3.0
30°-40°	217.3	3.4
40°-50°	209.9	3.3
50°-60°	177.4	2.8
60°-70°	127.4	2.0
70°-80°	69.6	1.1
80°-90°	18.6	0.3
90°-100°	79.1	1.2
100°-110°	326.3	5.1
110°-120°	592.3	9.2
120°-130°	806.0	12.6
130°-140°	930.4	14.5
140°-150°	937.6	14.6
150°-160°	809.1	12.6
160°-170°	548.4	8.5
170°-180°	193.4	3.0
0°-30°	376.1	5.9
0°-40°	593.4	9.2
0°-60°	980.7	15.3
0°-90°	1196.3	18.6
90°-120°	997.7	15.5
90°-150°	3671.6	57.2
90°-180°	5223.0	81.4
0°-180°	6418.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	513	513	513	513	513	
5°	507	514	508	508	511	48
15°	481	485	478	473	474	136
25°	432	432	420	410	408	199
35°	367	363	346	333	330	229
45°	294	288	271	256	253	227
55°	220	212	196	184	181	197
65°	144	139	127	118	116	143
75°	75	70	65	60	58	80
85°	17	16	16	14	13	21
90°	0	0	2	0	2	3
95°	77	67	64	50	50	89
105°	323	318	310	292	289	342
115°	613	612	601	583	581	605
125°	912	922	902	883	885	814
135°	1216	1230	1209	1187	1195	936
145°	1506	1524	1500	1483	1494	941
155°	1762	1779	1754	1743	1757	810
165°	1947	1968	1942	1932	1949	548
175°	2040	2062	2035	2022	2027	194
180°	2048	2048	2048	2048	2048	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	513.0	513.0	513.0	513.0	513.0
2.5°	509.5	515.7	511.1	511.8	512.7
5°	506.7	513.6	507.5	507.6	511.0
7.5°	503.1	509.6	501.9	500.5	503.7
10°	498.1	504.6	496.9	494.2	496.5
12.5°	491.5	497.7	490.3	486.0	488.0
15°	480.8	485.0	477.6	472.9	473.7
17.5°	469.2	471.8	461.1	457.2	456.4
20°	460.4	462.7	450.1	444.6	443.9
22.5°	449.0	451.0	437.9	431.1	430.0
25°	432.1	432.5	419.9	410.4	408.1
27.5°	414.3	413.1	399.2	387.9	384.9
30°	401.4	399.9	383.8	371.9	369.2
32.5°	387.6	384.8	368.7	355.9	353.2
35°	367.3	363.0	346.1	332.6	329.6
37.5°	345.6	340.8	324.1	309.5	306.1
40°	331.1	325.8	308.7	294.1	290.7
42.5°	316.7	310.7	293.3	278.7	275.0
45°	294.2	288.1	270.6	256.4	252.6
47.5°	272.8	265.0	248.1	233.9	230.1
50°	258.1	249.6	233.3	219.5	215.6
52.5°	243.0	234.2	218.6	205.3	201.5
55°	220.0	211.9	196.4	184.1	180.7
57.5°	197.2	189.4	175.3	163.6	160.2
60°	181.5	174.9	161.4	150.4	147.3
62.5°	166.4	160.5	147.6	137.5	134.4
65°	144.2	138.8	127.3	118.2	115.9
67.5°	122.6	117.2	107.9	99.7	97.1
70°	108.4	103.0	94.7	87.1	84.8
72.5°	94.9	89.2	82.4	75.5	73.8
75°	74.6	70.0	64.8	59.7	58.1
77.5°	56.7	52.3	48.5	44.8	44.5
80°	44.8	40.9	38.1	35.7	35.4
82.5°	33.5	30.5	28.7	26.9	26.9
85°	17.3	16.1	15.7	13.7	13.0
87.5°	5.0	5.0	4.7	3.8	4.1
90°	0.0	0.0	1.6	0.0	1.6
92.5°	19.2	16.7	15.7	10.3	11.8
95°	76.7	67.3	63.9	49.5	49.5
97.5°	144.7	135.3	130.3	115.6	112.5
100°	193.3	183.9	178.9	162.9	159.7
102.5°	243.1	238.7	230.0	212.7	209.6
105°	322.7	318.0	309.9	292.2	289.1
107.5°	404.5	405.4	393.3	378.8	374.4
110°	463.2	461.7	452.1	437.6	434.5



TEST NUMBER: P1439077

CATALOG NUMBER: CB2-D-125U-030D-935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	523.3	520.5	510.8	496.4	493.3
115°	613.4	611.8	600.6	583.0	581.4
117.5°	699.0	704.0	690.7	672.2	671.5
120°	760.3	766.6	750.8	734.7	731.6
122.5°	820.4	827.9	812.1	793.6	794.2
125°	912.1	921.5	902.5	883.4	884.9
127.5°	1000.6	1012.1	994.5	975.1	976.9
130°	1060.6	1074.7	1055.9	1035.2	1038.3
132.5°	1122.0	1136.0	1117.2	1095.3	1100.9
135°	1215.6	1229.6	1209.2	1187.0	1194.8
137.5°	1303.8	1317.8	1295.5	1276.8	1286.2
140°	1362.5	1376.6	1353.0	1335.6	1345.0
142.5°	1420.1	1436.6	1411.7	1393.2	1405.0
145°	1506.3	1523.5	1499.9	1482.6	1493.5
147.5°	1588.1	1605.3	1581.4	1564.7	1576.0
150°	1640.5	1657.7	1632.5	1618.4	1630.9
152.5°	1689.1	1708.7	1682.3	1668.3	1684.6
155°	1761.9	1779.1	1753.9	1743.0	1757.1
157.5°	1825.1	1845.1	1820.0	1810.7	1822.0
160°	1867.3	1886.1	1860.9	1851.6	1864.1
162.5°	1899.3	1919.3	1895.4	1884.9	1899.9
165°	1947.2	1967.5	1942.4	1931.6	1948.8
167.5°	1984.9	2006.4	1981.0	1969.9	1987.4
170°	2007.9	2028.2	2001.5	1989.1	2007.9
172.5°	2023.2	2044.8	2016.8	2004.3	2016.8
175°	2039.8	2061.7	2035.0	2022.4	2027.1
177.5°	2047.8	2065.3	2044.0	2032.8	2047.8
180°	2047.8	2047.8	2047.8	2047.8	2047.8



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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	10.51	11.14	11.70	12.31	13.97	9.41	10.04	10.60	11.21	12.87
	3H	12.14	12.70	13.33	13.88	15.55	10.92	11.49	12.11	12.66	14.33
	4H	12.75	13.29	13.96	14.47	16.14	11.48	12.02	12.68	13.20	14.87
	6H	13.14	13.64	14.35	14.82	16.50	11.84	12.34	13.05	13.51	15.20
	8H	13.29	13.76	14.50	14.95	16.63	11.98	12.45	13.19	13.64	15.32
	12H	13.35	13.80	14.57	14.98	16.68	12.03	12.48	13.25	13.66	15.36
4H	2H	10.89	11.43	12.10	12.60	14.28	10.02	10.56	11.23	11.73	13.41
	3H	12.74	13.19	13.95	14.39	16.08	11.73	12.18	12.94	13.38	15.07
	4H	13.47	13.89	14.69	15.08	16.78	12.39	12.81	13.61	14.00	15.70
	6H	13.98	14.33	15.20	15.54	17.24	12.86	13.21	14.07	14.42	16.11
	8H	14.18	14.51	15.40	15.71	17.42	13.04	13.37	14.26	14.57	16.28
	12H	14.28	14.58	15.51	15.79	17.50	13.12	13.42	14.35	14.63	16.34
8H	4H	13.61	13.94	14.83	15.14	16.85	12.65	12.98	13.86	14.18	15.89
	6H	14.25	14.52	15.48	15.76	17.47	13.24	13.52	14.48	14.76	16.47
	8H	14.53	14.77	15.77	15.99	17.72	13.52	13.75	14.76	14.97	16.70
	12H	14.70	14.90	15.94	16.12	17.88	13.66	13.86	14.90	15.08	16.84
12H	4H	13.58	13.88	14.81	15.09	16.81	12.64	12.94	13.87	14.15	15.87
	6H	14.27	14.51	15.51	15.73	17.46	13.31	13.54	14.54	14.76	16.49
	8H	14.58	14.79	15.82	16.00	17.76	13.60	13.81	14.84	15.03	16.78