

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: P1438803

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438803
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-030D-935-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

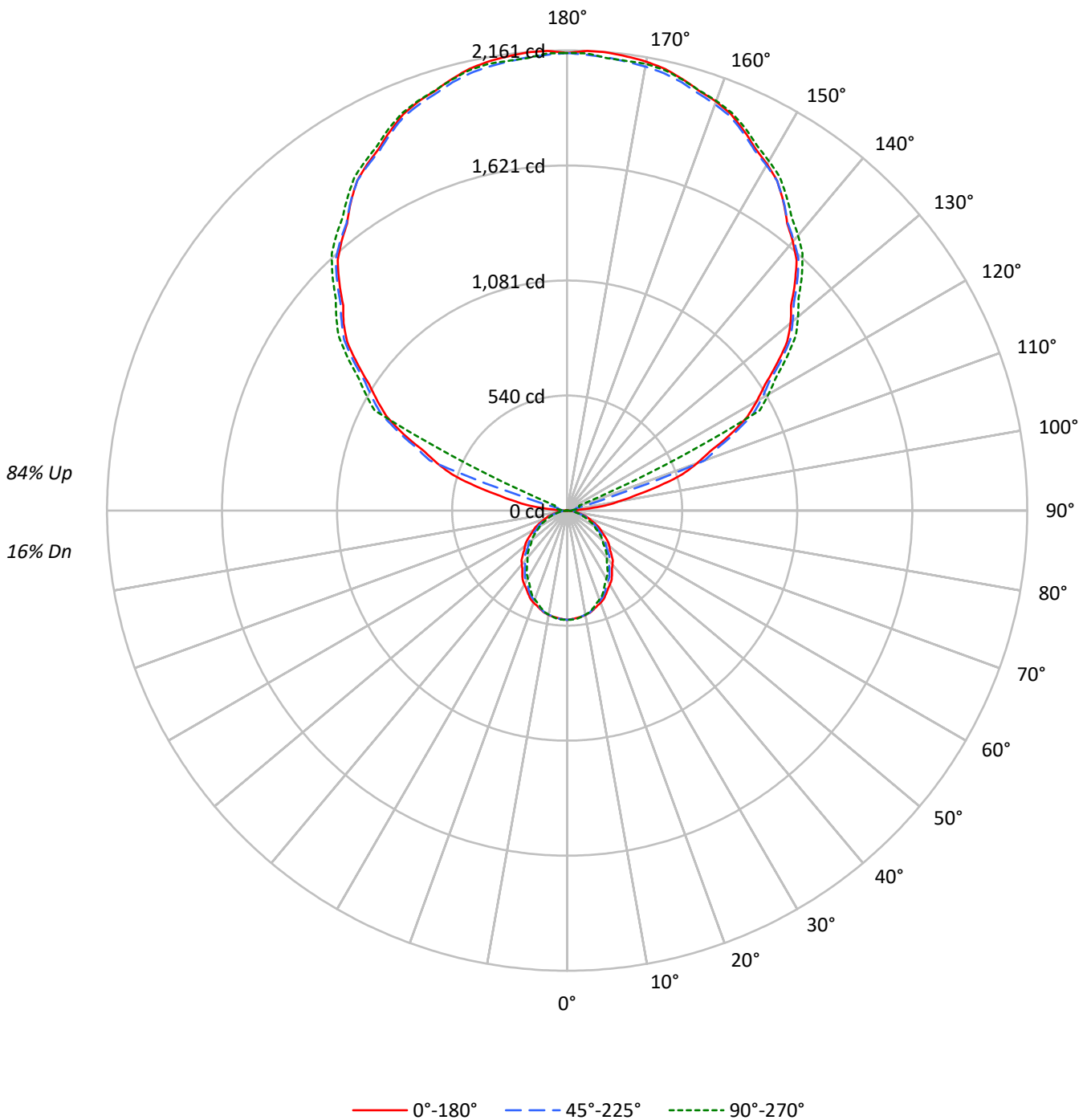
Lumens per Lamp: N/A
Luminaire Lumens: 7322.8 lumens
Efficiency: N/A
Efficacy: 150.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.23
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 48.6
Input Voltage (V): 120
Input Current (Ain): 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	99	99	99	99	87	87	87	87	65	65	65	44	44	44	25	25	25	16																				
1	90	86	83	79	79	76	73	70	57	55	53	39	38	37	22	22	21	14																				
2	82	75	70	65	72	66	62	58	50	46	44	34	32	31	20	19	18	12																				
3	75	66	59	54	66	58	53	48	44	40	37	30	28	26	17	16	15	10																				
4	68	58	51	45	60	52	45	41	39	35	31	27	24	22	16	14	13	9																				
5	63	52	44	39	55	46	39	35	34	30	27	24	21	19	14	13	12	8																				
6	58	46	39	33	50	41	35	30	31	26	23	22	19	17	13	11	10	7																				
7	53	42	34	29	47	37	30	26	28	23	20	19	17	15	12	10	9	6																				
8	49	38	30	25	43	33	27	23	25	21	18	18	15	13	11	9	8	5																				
9	46	34	27	22	40	30	24	20	23	19	16	16	13	11	10	8	7	5																				
10	42	31	24	20	37	28	22	18	21	17	14	15	12	10	9	8	7	4																				

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	0.7
10°-20°	134.5	1.8
20°-30°	193.4	2.6
30°-40°	217.3	3.0
40°-50°	209.9	2.9
50°-60°	177.4	2.4
60°-70°	127.4	1.7
70°-80°	69.6	1.0
80°-90°	18.6	0.3
90°-100°	37.4	0.5
100°-110°	238.3	3.3
110°-120°	757.2	10.3
120°-130°	1098.8	15.0
130°-140°	1181.7	16.1
140°-150°	1112.6	15.2
150°-160°	906.4	12.4
160°-170°	590.0	8.1
170°-180°	203.9	2.8
0°-30°	376.1	5.1
0°-40°	593.4	8.1
0°-60°	980.7	13.4
0°-90°	1196.3	16.3
90°-120°	1033.0	14.1
90°-150°	4426.1	60.4
90°-180°	6126.0	83.7
0°-180°	7322.8	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	0	2	2	4
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°	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	4.4	4.1	4.1
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	10.01	10.63	11.21	11.80	13.49	8.91	9.53	10.11	10.71	12.39
	3H	11.63	12.19	12.84	13.38	15.07	10.42	10.97	11.63	12.16	13.85
	4H	12.25	12.78	13.47	13.96	15.66	10.98	11.51	12.19	12.69	14.39
	6H	12.64	13.13	13.86	14.31	16.02	11.34	11.82	12.56	13.01	14.72
	8H	12.78	13.24	14.01	14.45	16.15	11.47	11.93	12.69	13.13	14.84
	12H	12.85	13.28	14.07	14.48	16.20	11.53	11.96	12.75	13.16	14.88
4H	2H	10.39	10.91	11.61	12.10	13.80	9.51	10.04	10.74	11.23	12.93
	3H	12.23	12.67	13.46	13.88	15.60	11.23	11.66	12.45	12.88	14.59
	4H	12.97	13.38	14.20	14.57	16.30	11.89	12.29	13.12	13.49	15.22
	6H	13.48	13.82	14.70	15.04	16.76	12.35	12.70	13.58	13.92	15.63
	8H	13.67	14.00	14.90	15.21	16.94	12.53	12.86	13.76	14.07	15.80
	12H	13.77	14.06	15.01	15.28	17.02	12.61	12.91	13.85	14.13	15.86
8H	4H	13.11	13.43	14.33	14.64	16.37	12.14	12.47	13.37	13.68	15.41
	6H	13.74	14.00	14.98	15.26	16.99	12.74	13.00	13.98	14.26	15.99
	8H	14.03	14.26	15.28	15.49	17.24	13.01	13.24	14.26	14.47	16.22
	12H	14.19	14.39	15.44	15.62	17.40	13.15	13.35	14.40	14.58	16.36
12H	4H	13.07	13.37	14.32	14.59	16.33	12.13	12.43	13.38	13.65	15.39
	6H	13.77	14.00	15.01	15.22	16.98	12.80	13.03	14.05	14.26	16.01
	8H	14.07	14.27	15.32	15.50	17.28	13.09	13.30	14.35	14.52	16.30