

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: P1439313

Luminaire Tested: CB3-125U-030D-830-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439313
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-125U-030D-830-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

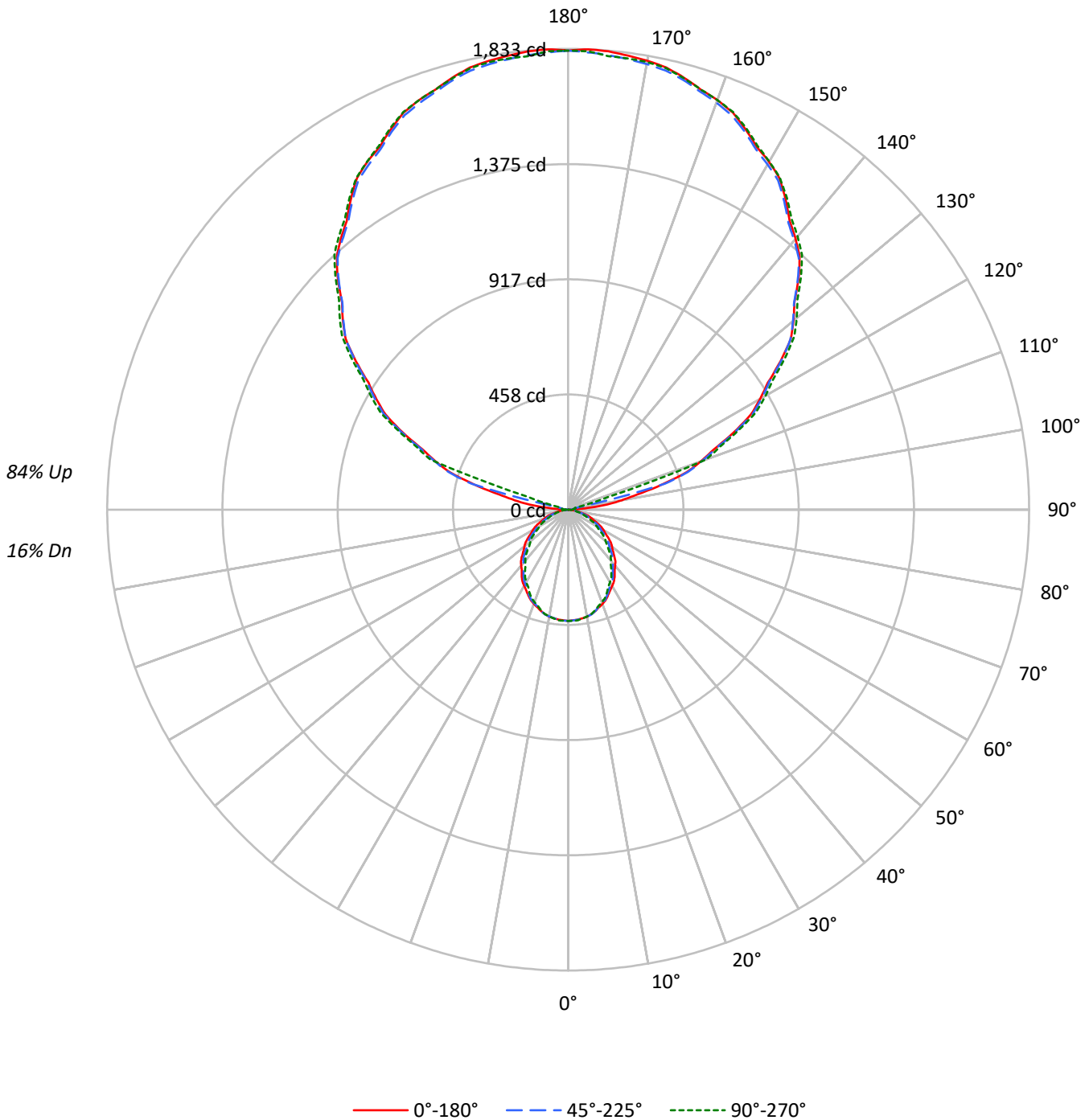
Lumens per Lamp: N/A
Luminaire Lumens: 6449.2 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 45.8
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	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	18	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°	5008	5008	5008
5°	4984	4987	5016
10°	4962	4955	4955
15°	4886	4886	4857
20°	4807	4757	4716
25°	4685	4627	4544
30°	4571	4451	4345
35°	4450	4285	4133
40°	4289	4085	3910
45°	4144	3907	3666
50°	3994	3696	3431
55°	3833	3492	3206
60°	3657	3279	2951
65°	3451	3039	2685
70°	3212	2756	2392
75°	2911	2418	2129
80°	2541	2026	1883
85°	1960	1714	1714

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4144 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.8	0.6
10°-20°	117.3	1.8
20°-30°	170.4	2.6
30°-40°	193.8	3.0
40°-50°	188.1	2.9
50°-60°	158.8	2.5
60°-70°	113.0	1.8
70°-80°	60.4	0.9
80°-90°	16.0	0.2
90°-100°	42.2	0.7
100°-110°	305.4	4.7
110°-120°	726.1	11.3
120°-130°	927.7	14.4
130°-140°	1000.6	15.5
140°-150°	943.3	14.6
150°-160°	769.5	11.9
160°-170°	501.4	7.8
170°-180°	173.3	2.7
0°-30°	329.5	5.1
0°-40°	523.3	8.1
0°-60°	870.2	13.5
0°-90°	1059.6	16.4
90°-120°	1073.7	16.6
90°-150°	3945.3	61.2
90°-180°	5390.0	83.6
0°-180°	6449.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	443	443	443	443	443	
5°	439	444	439	439	442	42
15°	417	421	417	415	415	117
25°	375	376	371	366	364	173
35°	322	319	310	301	299	201
45°	259	255	244	232	229	200
55°	194	189	177	166	162	174
65°	129	124	114	103	100	128
75°	67	63	55	50	49	71
85°	15	14	13	13	13	18
90°	0	0	0	1	0	3
95°	77	14	18	19	19	95
105°	387	392	398	29	30	408
115°	725	731	732	743	747	715
125°	1031	1038	1035	1046	1053	920
135°	1295	1302	1291	1301	1309	997
145°	1507	1516	1497	1507	1515	943
155°	1669	1683	1660	1664	1675	770
165°	1779	1789	1770	1765	1777	502
175°	1830	1840	1815	1806	1811	174
180°	1826	1826	1826	1826	1826	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	442.6	442.6	442.6	442.6	442.6
2.5°	440.3	444.7	440.8	441.3	442.3
5°	438.8	444.3	439.1	438.6	441.6
7.5°	435.4	440.5	435.0	433.8	436.5
10°	431.9	437.4	431.3	429.7	431.3
12.5°	425.6	431.4	426.5	423.9	425.2
15°	417.1	420.8	417.1	414.6	414.6
17.5°	406.7	410.6	403.7	401.9	401.2
20°	399.2	402.6	395.1	392.6	391.7
22.5°	389.1	392.3	386.1	381.8	380.6
25°	375.3	376.5	370.6	365.5	364.0
27.5°	361.4	361.7	353.6	347.4	345.4
30°	349.9	350.2	340.7	334.1	332.6
32.5°	338.3	337.4	328.4	320.5	319.5
35°	322.2	319.1	310.2	301.1	299.2
37.5°	302.8	300.9	290.4	281.3	278.5
40°	290.4	287.4	276.6	267.4	264.7
42.5°	278.1	274.6	263.5	253.3	250.3
45°	259.0	255.0	244.2	232.5	229.1
47.5°	239.8	235.4	223.6	212.2	208.5
50°	226.9	222.3	210.0	198.9	194.9
52.5°	213.9	209.0	196.6	185.3	182.1
55°	194.3	189.0	177.0	165.6	162.5
57.5°	174.6	169.5	157.5	146.7	143.0
60°	161.6	156.6	144.9	134.1	130.4
62.5°	148.2	143.6	132.1	121.6	118.1
65°	128.9	124.3	113.5	103.3	100.3
67.5°	109.7	105.8	95.1	85.8	83.4
70°	97.1	93.4	83.3	74.8	72.3
72.5°	85.1	81.1	71.5	64.2	62.5
75°	66.6	63.0	55.3	49.6	48.7
77.5°	49.8	46.8	40.2	37.0	36.5
80°	39.0	36.2	31.1	28.9	28.9
82.5°	28.9	26.6	23.3	22.4	22.4
85°	15.1	13.9	13.2	13.2	13.2
87.5°	4.5	4.5	4.3	4.3	4.0
90°	0.0	0.0	0.0	1.3	0.0
92.5°	20.9	8.0	6.6	8.0	7.7
95°	77.1	13.8	17.9	19.3	19.3
97.5°	155.2	152.3	20.9	25.1	25.3
100°	214.7	221.4	22.0	26.2	27.5
102.5°	280.7	286.4	40.7	27.3	28.6
105°	386.7	392.1	397.7	28.9	30.3
107.5°	492.1	496.2	499.8	450.0	168.4
110°	561.5	565.5	567.0	580.8	583.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	626.4	631.6	634.2	645.8	650.7
115°	725.3	730.6	732.1	743.2	747.3
117.5°	819.1	824.8	827.4	836.3	842.8
120°	880.8	887.5	889.0	900.2	905.5
122.5°	941.3	949.1	948.5	958.6	966.1
125°	1030.8	1037.5	1034.9	1046.1	1052.8
127.5°	1115.8	1119.9	1114.2	1127.8	1133.4
130°	1169.8	1173.8	1167.0	1179.6	1186.3
132.5°	1219.3	1225.5	1217.7	1229.1	1235.8
135°	1295.0	1301.7	1290.9	1300.7	1308.8
137.5°	1362.4	1370.5	1357.5	1368.9	1375.9
140°	1406.5	1414.6	1398.2	1410.8	1418.9
142.5°	1447.2	1457.4	1437.9	1449.3	1458.5
145°	1506.9	1516.4	1497.3	1507.1	1515.2
147.5°	1563.6	1571.7	1553.5	1560.5	1566.1
150°	1597.8	1605.8	1585.4	1592.4	1599.1
152.5°	1625.3	1636.6	1616.2	1621.1	1631.1
155°	1669.3	1682.8	1659.7	1664.1	1674.8
157.5°	1709.8	1721.9	1698.8	1702.6	1712.0
160°	1734.0	1746.1	1723.0	1724.6	1734.0
162.5°	1752.7	1763.8	1743.9	1741.2	1752.7
165°	1779.4	1788.8	1769.8	1764.6	1776.7
167.5°	1801.7	1812.5	1789.1	1784.7	1798.4
170°	1813.8	1824.6	1800.1	1793.5	1808.3
172.5°	1821.5	1831.2	1807.8	1799.0	1810.5
175°	1830.3	1839.8	1815.2	1805.7	1811.1
177.5°	1832.8	1840.4	1820.7	1812.2	1825.1
180°	1826.2	1826.2	1826.2	1826.2	1826.2



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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	8.17	8.79	9.37	9.96	11.65	7.09	7.71	8.29	8.89	10.57
	3H	9.81	10.37	11.02	11.56	13.25	8.48	9.04	9.69	10.22	11.92
	4H	10.43	10.96	11.65	12.15	13.85	8.99	9.52	10.20	10.70	12.40
	6H	10.81	11.29	12.03	12.48	14.19	9.29	9.78	10.52	10.97	12.68
	8H	10.94	11.40	12.16	12.60	14.30	9.41	9.87	10.63	11.07	12.77
	12H	10.99	11.43	12.22	12.63	14.35	9.48	9.91	10.70	11.11	12.83
4H	2H	8.54	9.07	9.77	10.26	11.96	7.68	8.21	8.91	9.40	11.10
	3H	10.41	10.85	11.64	12.06	13.77	9.28	9.72	10.51	10.93	12.64
	4H	11.15	11.56	12.38	12.75	14.48	9.88	10.28	11.10	11.48	13.21
	6H	11.64	11.99	12.87	13.21	14.92	10.28	10.62	11.51	11.84	13.56
	8H	11.82	12.15	13.05	13.36	15.09	10.44	10.77	11.67	11.98	13.71
	12H	11.91	12.20	13.15	13.43	15.16	10.54	10.83	11.78	12.05	13.79
8H	4H	11.26	11.58	12.49	12.79	14.53	10.12	10.44	11.35	11.66	13.39
	6H	11.87	12.14	13.11	13.39	15.12	10.64	10.91	11.88	12.16	13.89
	8H	12.14	12.37	13.39	13.60	15.35	10.89	11.12	12.14	12.35	14.10
	12H	12.30	12.50	13.55	13.73	15.50	11.06	11.26	12.31	12.49	14.26
12H	4H	11.22	11.52	12.46	12.74	14.47	10.11	10.41	11.35	11.63	13.36
	6H	11.88	12.12	13.13	13.34	15.09	10.70	10.93	11.94	12.15	13.91
	8H	12.17	12.38	13.42	13.60	15.38	10.97	11.17	12.22	12.40	14.17