

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: P1439325

Luminaire Tested: CB3-125U-030D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439325  
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-940-1D-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: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

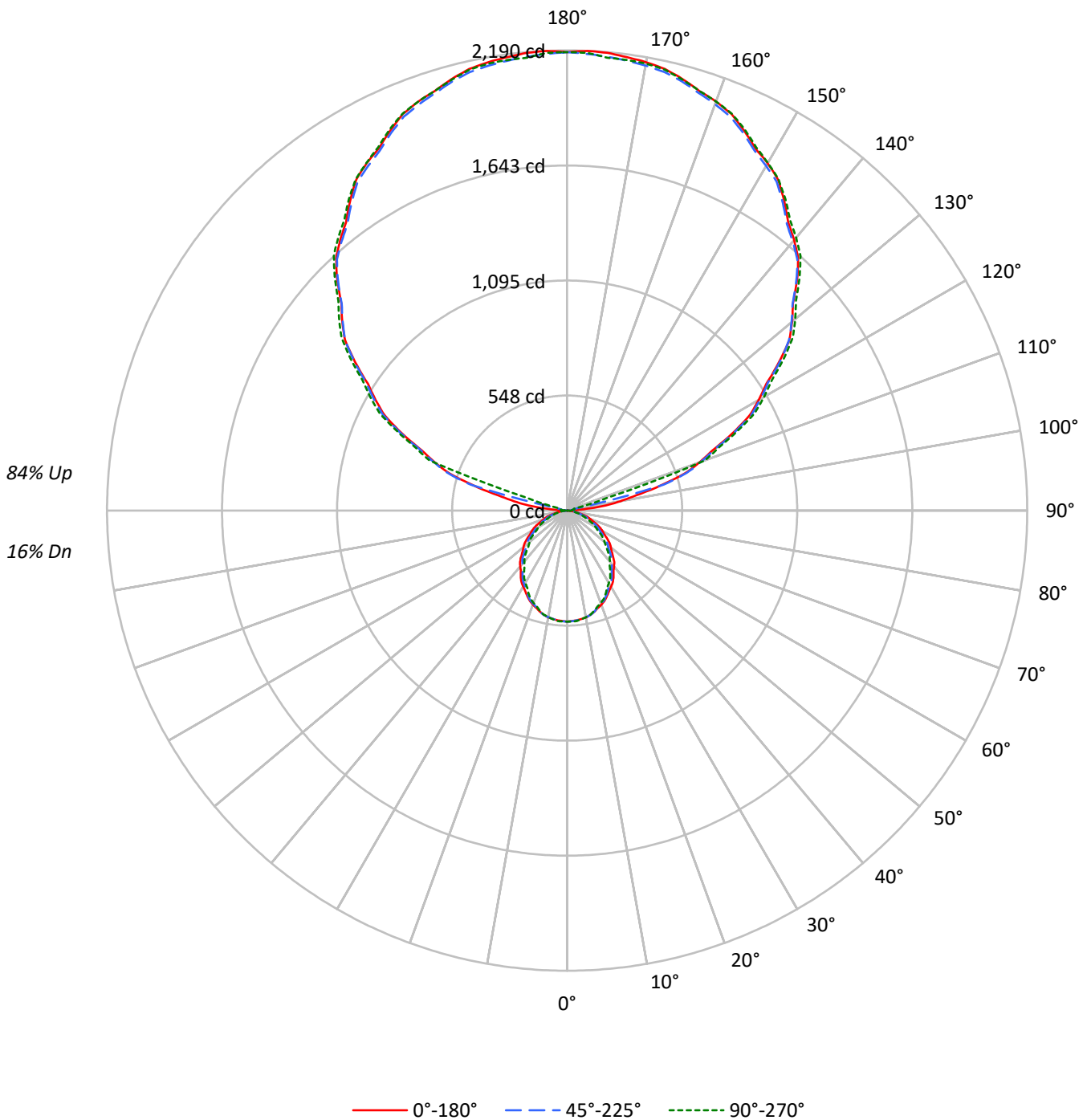
Lumens per Lamp: N/A  
Luminaire Lumens: 7705.2 lumens  
Efficiency: N/A  
Efficacy: 168.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 45.8  
Input Voltage (V): 120  
Input Current (A<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										
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°	5983	5983	5983
5°	5955	5958	5992
10°	5928	5919	5919
15°	5837	5837	5802
20°	5742	5684	5634
25°	5598	5528	5429
30°	5461	5319	5191
35°	5316	5120	4938
40°	5125	4882	4670
45°	4951	4669	4381
50°	4772	4416	4098
55°	4578	4170	3831
60°	4367	3917	3528
65°	4123	3630	3207
70°	3837	3292	2858
75°	3480	2890	2544
80°	3036	2424	2248
85°	2337	2051	2051

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4951 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.9	0.6
10°-20°	140.2	1.8
20°-30°	203.6	2.6
30°-40°	231.5	3.0
40°-50°	224.8	2.9
50°-60°	189.8	2.5
60°-70°	135.0	1.8
70°-80°	72.1	0.9
80°-90°	19.1	0.2
90°-100°	50.4	0.7
100°-110°	364.9	4.7
110°-120°	867.5	11.3
120°-130°	1108.3	14.4
130°-140°	1195.5	15.5
140°-150°	1127.0	14.6
150°-160°	919.4	11.9
160°-170°	599.0	7.8
170°-180°	207.1	2.7
0°-30°	393.7	5.1
0°-40°	625.2	8.1
0°-60°	1039.7	13.5
0°-90°	1266.0	16.4
90°-120°	1282.8	16.6
90°-150°	4713.7	61.2
90°-180°	6439.0	83.6
0°-180°	7705.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	529	529	529	529	529	
5°	524	531	525	524	528	50
15°	498	503	498	495	495	140
25°	448	450	443	437	435	207
35°	385	381	371	360	358	240
45°	309	305	292	278	274	239
55°	232	226	211	198	194	207
65°	154	148	136	124	120	153
75°	80	75	66	59	58	85
85°	18	17	16	16	16	21
90°	0	0	0	2	0	4
95°	92	16	21	23	23	114
105°	462	468	475	35	36	487
115°	866	873	875	888	893	855
125°	1232	1240	1236	1250	1258	1099
135°	1547	1555	1542	1554	1564	1192
145°	1800	1812	1789	1801	1810	1126
155°	1994	2010	1983	1988	2001	920
165°	2126	2137	2114	2108	2123	600
175°	2187	2198	2169	2157	2164	208
180°	2182	2182	2182	2182	2182	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	528.8	528.8	528.8	528.8	528.8
2.5°	526.1	531.3	526.7	527.3	528.5
5°	524.3	530.9	524.6	524.0	527.6
7.5°	520.2	526.2	519.8	518.2	521.6
10°	516.0	522.6	515.2	513.4	515.2
12.5°	508.5	515.4	509.5	506.5	508.0
15°	498.3	502.8	498.3	495.3	495.3
17.5°	486.0	490.6	482.3	480.2	479.3
20°	476.9	481.0	472.1	469.0	467.9
22.5°	464.9	468.7	461.2	456.1	454.7
25°	448.4	449.9	442.8	436.7	434.9
27.5°	431.8	432.2	422.4	415.1	412.6
30°	418.0	418.3	407.1	399.2	397.3
32.5°	404.2	403.1	392.4	383.0	381.7
35°	384.9	381.3	370.7	359.7	357.5
37.5°	361.7	359.5	347.0	336.0	332.7
40°	347.0	343.3	330.5	319.5	316.2
42.5°	332.3	328.0	314.9	302.7	299.1
45°	309.4	304.7	291.8	277.8	273.8
47.5°	286.5	281.3	267.1	253.5	249.1
50°	271.1	265.6	250.9	237.6	232.8
52.5°	255.5	249.7	234.9	221.4	217.5
55°	232.1	225.8	211.4	197.8	194.2
57.5°	208.7	202.5	188.1	175.3	170.9
60°	193.0	187.2	173.1	160.3	155.9
62.5°	177.1	171.5	157.8	145.2	141.1
65°	154.0	148.5	135.6	123.5	119.8
67.5°	131.1	126.4	113.6	102.5	99.6
70°	116.0	111.6	99.5	89.3	86.4
72.5°	101.6	96.9	85.4	76.7	74.7
75°	79.6	75.2	66.1	59.3	58.2
77.5°	59.5	55.9	48.0	44.2	43.6
80°	46.6	43.3	37.2	34.5	34.5
82.5°	34.5	31.8	27.9	26.7	26.7
85°	18.0	16.6	15.8	15.8	15.8
87.5°	5.4	5.4	5.1	5.1	4.8
90°	0.0	0.0	0.0	1.6	0.0
92.5°	25.0	9.6	7.9	9.5	9.2
95°	92.1	16.5	21.4	23.0	23.0
97.5°	185.5	181.9	25.0	29.9	30.3
100°	256.5	264.5	26.3	31.3	32.9
102.5°	335.4	342.2	48.7	32.6	34.2
105°	462.0	468.5	475.2	34.6	36.2
107.5°	588.0	592.8	597.2	537.6	201.3
110°	670.8	675.7	677.4	693.9	697.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	748.4	754.5	757.6	771.6	777.4
115°	866.5	872.9	874.7	888.0	892.8
117.5°	978.6	985.4	988.5	999.2	1006.9
120°	1052.3	1060.3	1062.2	1075.5	1081.9
122.5°	1124.6	1134.0	1133.2	1145.2	1154.2
125°	1231.5	1239.5	1236.4	1249.8	1257.8
127.5°	1333.1	1337.9	1331.1	1347.4	1354.2
130°	1397.6	1402.4	1394.3	1409.3	1417.3
132.5°	1456.8	1464.2	1454.8	1468.5	1476.5
135°	1547.2	1555.2	1542.3	1554.0	1563.6
137.5°	1627.8	1637.4	1621.8	1635.5	1643.9
140°	1680.4	1690.0	1670.5	1685.5	1695.2
142.5°	1729.0	1741.3	1717.9	1731.6	1742.5
145°	1800.4	1811.7	1788.9	1800.6	1810.3
147.5°	1868.1	1877.8	1856.0	1864.3	1871.1
150°	1908.9	1918.6	1894.1	1902.5	1910.6
152.5°	1941.8	1955.3	1930.9	1936.8	1948.7
155°	1994.4	2010.5	1982.9	1988.1	2001.0
157.5°	2042.8	2057.2	2029.6	2034.1	2045.4
160°	2071.7	2086.2	2058.5	2060.4	2071.7
162.5°	2094.1	2107.2	2083.5	2080.2	2094.1
165°	2126.0	2137.2	2114.4	2108.2	2122.7
167.5°	2152.6	2165.4	2137.5	2132.2	2148.6
170°	2167.1	2179.9	2150.6	2142.8	2160.5
172.5°	2176.3	2187.8	2159.8	2149.3	2163.1
175°	2186.8	2198.0	2168.7	2157.3	2163.8
177.5°	2189.7	2198.7	2175.3	2165.1	2180.5
180°	2181.9	2181.9	2181.9	2181.9	2181.9



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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	8.78	9.41	9.99	10.58	12.27	7.71	8.33	8.91	9.51	11.19
	3H	10.43	10.99	11.64	12.17	13.87	9.10	9.66	10.31	10.84	12.54
	4H	11.05	11.58	12.27	12.77	14.46	9.61	10.14	10.82	11.32	13.02
	6H	11.42	11.91	12.65	13.10	14.81	9.91	10.40	11.13	11.58	13.29
	8H	11.55	12.02	12.78	13.22	14.92	10.03	10.49	11.25	11.69	13.39
	12H	11.61	12.05	12.84	13.25	14.97	10.09	10.53	11.32	11.73	13.45
4H	2H	9.16	9.69	10.39	10.88	12.58	8.30	8.83	9.53	10.02	11.72
	3H	11.03	11.47	12.26	12.68	14.39	9.90	10.34	11.13	11.55	13.26
	4H	11.77	12.17	12.99	13.37	15.10	10.50	10.90	11.72	12.10	13.83
	6H	12.26	12.60	13.49	13.82	15.54	10.90	11.24	12.12	12.46	14.18
	8H	12.44	12.77	13.67	13.98	15.71	11.06	11.38	12.29	12.59	14.33
	12H	12.53	12.82	13.77	14.04	15.78	11.15	11.45	12.40	12.67	14.41
8H	4H	11.88	12.20	13.10	13.41	15.15	10.74	11.06	11.97	12.27	14.01
	6H	12.49	12.75	13.73	14.01	15.74	11.26	11.52	12.50	12.78	14.51
	8H	12.76	12.99	14.01	14.22	15.97	11.51	11.74	12.76	12.97	14.72
	12H	12.91	13.12	14.17	14.34	16.12	11.67	11.88	12.93	13.10	14.88
12H	4H	11.84	12.13	13.08	13.35	15.09	10.73	11.02	11.97	12.24	13.98
	6H	12.50	12.73	13.75	13.96	15.71	11.31	11.54	12.56	12.77	14.52
	8H	12.79	12.99	14.04	14.22	16.00	11.58	11.79	12.84	13.01	14.79