

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: P1439328

Luminaire Tested: CB3-125U-055D-830-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439328
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-055D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

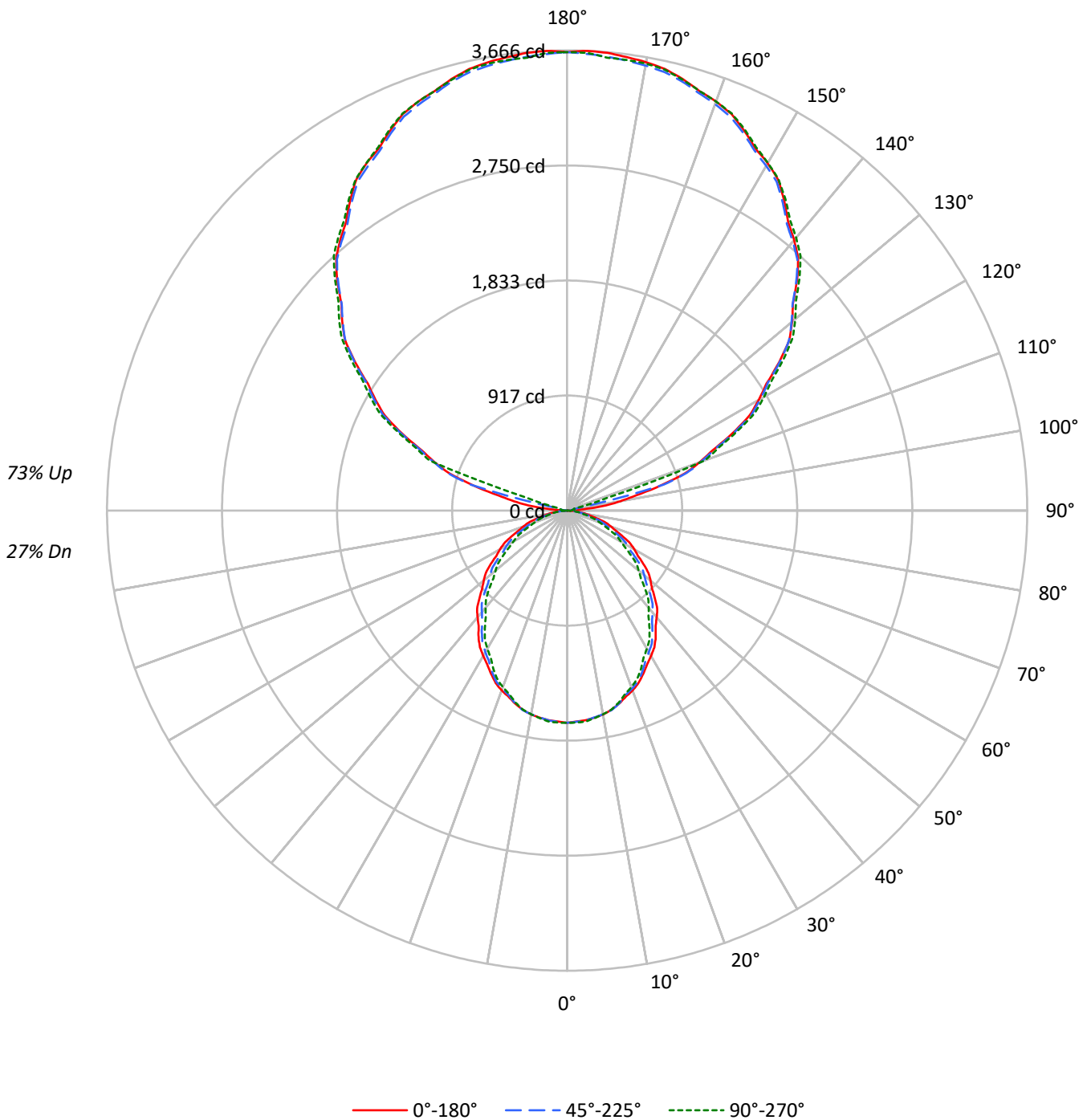
Lumens per Lamp: N/A
Luminaire Lumens: 14827.7 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 125.3
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			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	0
RCR																		
0	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27
1	93	89	85	82	83	79	76	74	62	60	58	46	45	44	31	31	30	23
2	85	77	72	67	75	69	65	60	54	51	48	40	38	36	28	26	25	20
3	77	68	61	56	69	61	55	50	48	44	41	36	33	31	25	23	22	17
4	71	60	53	47	63	54	48	43	43	38	34	32	29	26	22	20	19	14
5	65	54	46	40	58	48	42	37	38	33	30	29	25	23	20	18	16	13
6	59	48	40	35	53	43	36	32	34	29	26	26	23	20	18	16	14	11
7	55	43	36	30	49	39	32	28	31	26	23	23	20	18	16	14	13	10
8	51	39	32	27	45	35	29	24	28	23	20	21	18	16	15	13	11	9
9	47	36	28	23	42	32	26	22	26	21	18	20	16	14	14	12	10	8
10	44	32	26	21	39	29	23	19	24	19	16	18	15	13	13	11	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9566	9566	9566
5°	9521	9528	9583
10°	9479	9465	9465
15°	9334	9334	9278
20°	9182	9088	9009
25°	8951	8838	8681
30°	8732	8505	8300
35°	8502	8187	7896
40°	8195	7805	7468
45°	7917	7466	7005
50°	7631	7061	6553
55°	7320	6668	6124
60°	6984	6264	5639
65°	6591	5804	5128
70°	6138	5265	4569
75°	5565	4621	4070
80°	4851	3874	3600
85°	3739	3271	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7917 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	1.1
10°-20°	448.2	3.0
20°-30°	651.2	4.4
30°-40°	740.4	5.0
40°-50°	718.8	4.8
50°-60°	606.8	4.1
60°-70°	431.8	2.9
70°-80°	230.7	1.6
80°-90°	61.1	0.4
90°-100°	84.3	0.6
100°-110°	610.8	4.1
110°-120°	1452.2	9.8
120°-130°	1855.3	12.5
130°-140°	2001.3	13.5
140°-150°	1886.6	12.7
150°-160°	1539.1	10.4
160°-170°	1002.8	6.8
170°-180°	346.7	2.3
0°-30°	1259.0	8.5
0°-40°	1999.4	13.5
0°-60°	3325.0	22.4
0°-90°	4048.5	27.3
90°-120°	2147.4	14.5
90°-150°	7890.7	53.2
90°-180°	10779.0	72.7
0°-180°	14827.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1691	1691	1691	1691	1691	
5°	1677	1698	1678	1676	1687	159
15°	1594	1608	1594	1584	1584	449
25°	1434	1439	1416	1397	1391	661
35°	1231	1219	1185	1150	1143	767
45°	990	974	933	888	876	763
55°	742	722	676	633	621	664
65°	492	475	434	395	383	488
75°	255	240	211	190	186	271
85°	58	53	50	50	50	68
90°	0	0	0	3	0	8
95°	154	28	36	38	38	190
105°	773	784	795	58	61	816
115°	1450	1461	1464	1486	1495	1431
125°	2062	2075	2070	2092	2106	1840
135°	2590	2604	2582	2601	2618	1995
145°	3014	3033	2995	3014	3030	1886
155°	3339	3366	3319	3328	3350	1540
165°	3559	3578	3540	3529	3553	1005
175°	3661	3680	3630	3611	3622	348
180°	3652	3652	3652	3652	3652	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1691.0	1691.0	1691.0	1691.0	1691.0
2.5°	1682.3	1699.2	1684.2	1686.3	1690.0
5°	1676.6	1697.7	1677.8	1675.6	1687.4
7.5°	1663.6	1682.8	1662.1	1657.3	1667.9
10°	1650.1	1671.3	1647.7	1641.9	1647.7
12.5°	1626.1	1648.2	1629.5	1619.7	1624.7
15°	1593.7	1607.8	1593.7	1584.1	1584.1
17.5°	1554.1	1568.9	1542.3	1535.5	1532.9
20°	1525.2	1538.2	1509.6	1499.9	1496.4
22.5°	1486.8	1498.8	1475.0	1458.6	1454.1
25°	1434.0	1438.7	1415.9	1396.6	1390.7
27.5°	1380.9	1382.1	1350.9	1327.4	1319.6
30°	1336.7	1337.9	1301.9	1276.5	1270.6
32.5°	1292.5	1289.0	1254.8	1224.7	1220.7
35°	1231.0	1219.3	1185.4	1150.4	1143.3
37.5°	1156.8	1149.7	1109.7	1074.6	1064.1
40°	1109.7	1098.0	1056.9	1021.8	1011.2
42.5°	1062.6	1049.0	1006.9	968.0	956.5
45°	989.6	974.3	933.2	888.4	875.5
47.5°	916.1	899.4	854.1	810.8	796.5
50°	867.1	849.5	802.3	759.9	744.6
52.5°	817.1	798.6	751.3	708.1	695.6
55°	742.2	722.2	676.1	632.6	620.9
57.5°	667.3	647.5	601.7	560.5	546.4
60°	617.3	598.5	553.6	512.5	498.4
62.5°	566.4	548.5	504.6	464.5	451.3
65°	492.4	474.8	433.6	394.9	383.1
67.5°	419.1	404.1	363.4	327.9	318.5
70°	371.1	357.0	318.3	285.6	276.2
72.5°	325.0	310.0	273.1	245.3	238.8
75°	254.6	240.5	211.4	189.7	186.2
77.5°	190.2	178.7	153.5	141.2	139.3
80°	148.9	138.4	118.9	110.5	110.5
82.5°	110.5	101.8	89.1	85.5	85.5
85°	57.6	52.9	50.4	50.4	50.4
87.5°	17.3	17.3	16.3	15.9	15.4
90°	0.0	0.0	0.0	2.7	0.0
92.5°	41.8	16.0	13.2	16.0	15.4
95°	154.1	27.6	35.8	38.5	38.5
97.5°	310.5	304.6	41.8	50.1	50.6
100°	429.4	442.8	44.0	52.4	55.0
102.5°	561.5	572.8	81.5	54.6	57.3
105°	773.4	784.2	795.4	57.9	60.6
107.5°	984.3	992.3	999.7	899.9	336.9
110°	1123.0	1131.1	1134.0	1161.6	1167.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1252.9	1263.1	1268.3	1291.6	1301.3
115°	1450.5	1461.3	1464.3	1486.5	1494.6
117.5°	1638.2	1649.5	1654.7	1672.7	1685.6
120°	1761.5	1775.0	1778.1	1800.3	1811.1
122.5°	1882.6	1898.3	1897.0	1917.1	1932.2
125°	2061.6	2075.0	2069.8	2092.1	2105.6
127.5°	2231.6	2239.7	2228.3	2255.6	2266.9
130°	2339.5	2347.6	2334.0	2359.1	2372.6
132.5°	2438.6	2451.0	2435.3	2458.2	2471.7
135°	2590.0	2603.5	2581.8	2601.4	2617.5
137.5°	2724.9	2741.0	2715.0	2737.9	2751.9
140°	2813.0	2829.1	2796.4	2821.6	2837.7
142.5°	2894.4	2914.9	2875.7	2898.7	2917.0
145°	3013.9	3032.7	2994.6	3014.2	3030.4
147.5°	3127.3	3143.4	3106.9	3120.9	3132.2
150°	3195.5	3211.7	3170.8	3184.8	3198.3
152.5°	3250.6	3273.2	3232.4	3242.2	3262.1
155°	3338.7	3365.6	3319.4	3328.1	3349.7
157.5°	3419.6	3443.8	3397.6	3405.2	3424.0
160°	3468.0	3492.3	3446.0	3449.2	3468.0
162.5°	3505.5	3527.5	3487.8	3482.3	3505.5
165°	3558.9	3577.7	3539.6	3529.1	3553.4
167.5°	3603.4	3625.0	3578.1	3569.4	3596.8
170°	3627.7	3649.2	3600.1	3587.1	3616.7
172.5°	3643.1	3662.5	3615.6	3597.9	3621.1
175°	3660.7	3679.5	3630.4	3611.4	3622.2
177.5°	3665.7	3680.7	3641.4	3624.4	3650.2
180°	3652.4	3652.4	3652.4	3652.4	3652.4



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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	12.39	13.08	13.53	14.20	15.76	11.32	12.00	12.45	13.12	14.69
	3H	14.05	14.66	15.19	15.79	17.37	12.72	13.33	13.86	14.46	16.04
	4H	14.67	15.25	15.82	16.38	17.97	13.23	13.81	14.37	14.94	16.52
	6H	15.05	15.58	16.20	16.71	18.31	13.53	14.07	14.69	15.20	16.80
	8H	15.18	15.69	16.34	16.83	18.42	13.65	14.16	14.81	15.31	16.90
	12H	15.24	15.72	16.40	16.86	18.47	13.72	14.20	14.88	15.35	16.96
4H	2H	12.78	13.36	13.94	14.49	16.08	11.92	12.50	13.08	13.63	15.22
	3H	14.65	15.14	15.82	16.30	17.89	13.52	14.01	14.69	15.17	16.76
	4H	15.40	15.84	16.56	16.99	18.60	14.12	14.57	15.29	15.71	17.33
	6H	15.89	16.27	17.06	17.44	19.04	14.53	14.91	15.70	16.08	17.68
	8H	16.07	16.43	17.24	17.59	19.21	14.69	15.05	15.86	16.21	17.83
	12H	16.16	16.49	17.35	17.66	19.28	14.79	15.11	15.97	16.28	17.91
8H	4H	15.51	15.87	16.68	17.03	18.65	14.37	14.73	15.54	15.89	17.51
	6H	16.12	16.42	17.31	17.62	19.24	14.89	15.19	16.08	16.39	18.01
	8H	16.40	16.65	17.59	17.83	19.47	15.14	15.40	16.34	16.58	18.22
	12H	16.55	16.78	17.75	17.95	19.63	15.31	15.54	16.51	16.71	18.38
12H	4H	15.48	15.80	16.66	16.97	18.60	14.37	14.69	15.55	15.86	17.49
	6H	16.14	16.39	17.33	17.57	19.21	14.95	15.20	16.14	16.38	18.02
	8H	16.43	16.65	17.63	17.83	19.50	15.22	15.45	16.42	16.62	18.30