

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1057109

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

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057109
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-119-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-B-125U-055D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING 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: 15727.8 lumens
Efficiency: N/A
Efficacy: 125.5 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

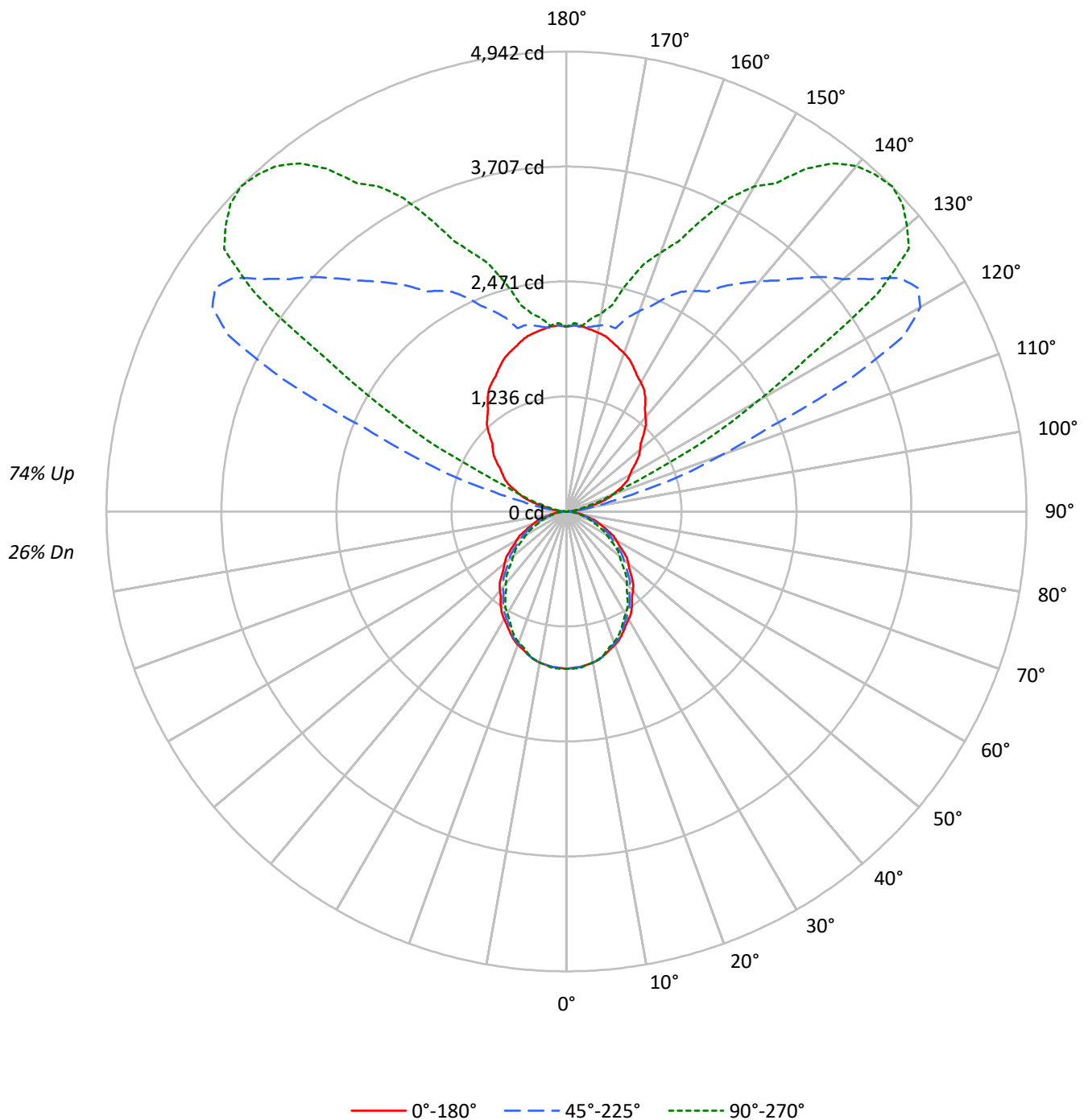
Input Watts (W): 125.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34
1	92	88	85	81	82	79	76	73	61	59	57	45	44	43	30	29	29
2	84	77	71	66	75	69	64	60	54	50	48	40	37	36	27	25	24
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	24	22	21
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	19	18
5	64	53	46	40	57	48	41	36	38	33	29	28	25	22	19	17	16
6	59	48	40	34	53	43	36	31	34	29	25	25	22	20	17	15	14
7	55	43	35	30	49	39	32	27	30	26	22	23	20	17	16	14	12
8	51	39	31	26	45	35	29	24	28	23	20	21	18	15	14	12	11
9	47	35	28	23	42	32	26	21	25	21	17	19	16	14	13	11	10
10	44	32	25	21	39	29	23	19	23	19	16	18	14	12	12	10	9

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	1.0
10°-20°	448.2	2.8
20°-30°	651.2	4.1
30°-40°	740.4	4.7
40°-50°	718.8	4.6
50°-60°	606.8	3.9
60°-70°	431.8	2.7
70°-80°	230.7	1.5
80°-90°	60.9	0.4
90°-100°	134.3	0.9
100°-110°	703.7	4.5
110°-120°	1771.4	11.3
120°-130°	2732.7	17.4
130°-140°	2501.7	15.9
140°-150°	1846.3	11.7
150°-160°	1176.9	7.5
160°-170°	619.6	3.9
170°-180°	192.9	1.2
0°-30°	1259.0	8.0
0°-40°	1999.4	12.7
0°-60°	3325.0	21.1
0°-90°	4048.4	25.7
90°-120°	2609.3	16.6
90°-150°	9690.0	61.6
90°-180°	11679.0	74.3
0°-180°	15727.8	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	0	0	5
95°	70	198	79	44	44	89
105°	359	1111	805	331	271	383
115°	682	1392	3342	1453	1102	664
125°	910	1406	4374	4410	4076	814
135°	1172	1566	3543	4831	4942	906
145°	1478	1709	2957	4111	4496	919
155°	1706	1834	2537	3139	3464	786
165°	1890	1941	2038	2383	2546	533
175°	1994	2037	1977	1986	2003	189
180°	1986	1986	1986	1986	1986	

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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	15.4	15.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	21.0	48.4	14.0	7.2	14.0
95°	70.0	198.3	78.7	43.7	43.7
97.5°	145.2	442.9	202.9	108.2	98.0
100°	201.2	628.9	314.9	157.1	140.0
102.5°	264.2	815.0	475.9	212.7	181.9
105°	358.7	1111.3	804.8	331.0	271.2
107.5°	463.6	1313.8	1326.1	510.4	411.1
110°	533.6	1397.5	1767.0	670.1	516.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	596.6	1419.4	2354.8	913.8	705.1
115°	682.3	1392.2	3341.6	1452.9	1102.2
117.5°	745.3	1325.2	4090.4	2311.3	1782.8
120°	787.3	1326.1	4391.3	2960.8	2370.6
122.5°	836.3	1334.1	4475.3	3605.7	3063.4
125°	909.7	1405.8	4373.8	4409.9	4076.4
127.5°	983.2	1458.8	4100.9	4740.6	4636.2
130°	1032.2	1494.1	3883.9	4853.2	4776.2
132.5°	1081.2	1529.4	3730.0	4855.8	4895.1
135°	1172.2	1565.6	3542.8	4831.2	4942.4
137.5°	1264.9	1610.4	3367.8	4678.2	4909.1
140°	1320.9	1645.9	3227.9	4512.6	4846.2
142.5°	1383.9	1674.7	3094.9	4359.1	4713.2
145°	1478.3	1709.3	2956.7	4111.4	4496.3
147.5°	1551.8	1728.0	2801.0	3861.4	4179.6
150°	1600.8	1729.1	2738.0	3639.2	4032.6
152.5°	1642.8	1764.3	2661.0	3435.5	3794.7
155°	1705.8	1834.1	2536.8	3139.0	3464.0
157.5°	1768.8	1891.9	2389.8	2918.0	3138.6
160°	1810.7	1913.4	2291.9	2811.3	2956.7
162.5°	1845.7	1934.7	2186.9	2629.8	2795.7
165°	1889.5	1940.8	2038.2	2383.0	2545.5
167.5°	1929.7	1955.4	2050.4	2140.9	2272.6
170°	1950.7	1976.4	2029.4	2117.9	2160.7
172.5°	1971.7	2011.0	2001.4	2061.7	2097.7
175°	1994.4	2037.2	1977.0	1986.1	2003.2
177.5°	1999.7	2020.2	2006.7	2007.2	2027.7
180°	1985.7	1985.7	1985.7	1985.7	1985.7

(END OF REPORT)