

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: P1057112

Luminaire Tested: CB3-B-125U-085D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057112
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-085D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 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: 17858.8 lumens
Efficiency: N/A
Efficacy: 123.5 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

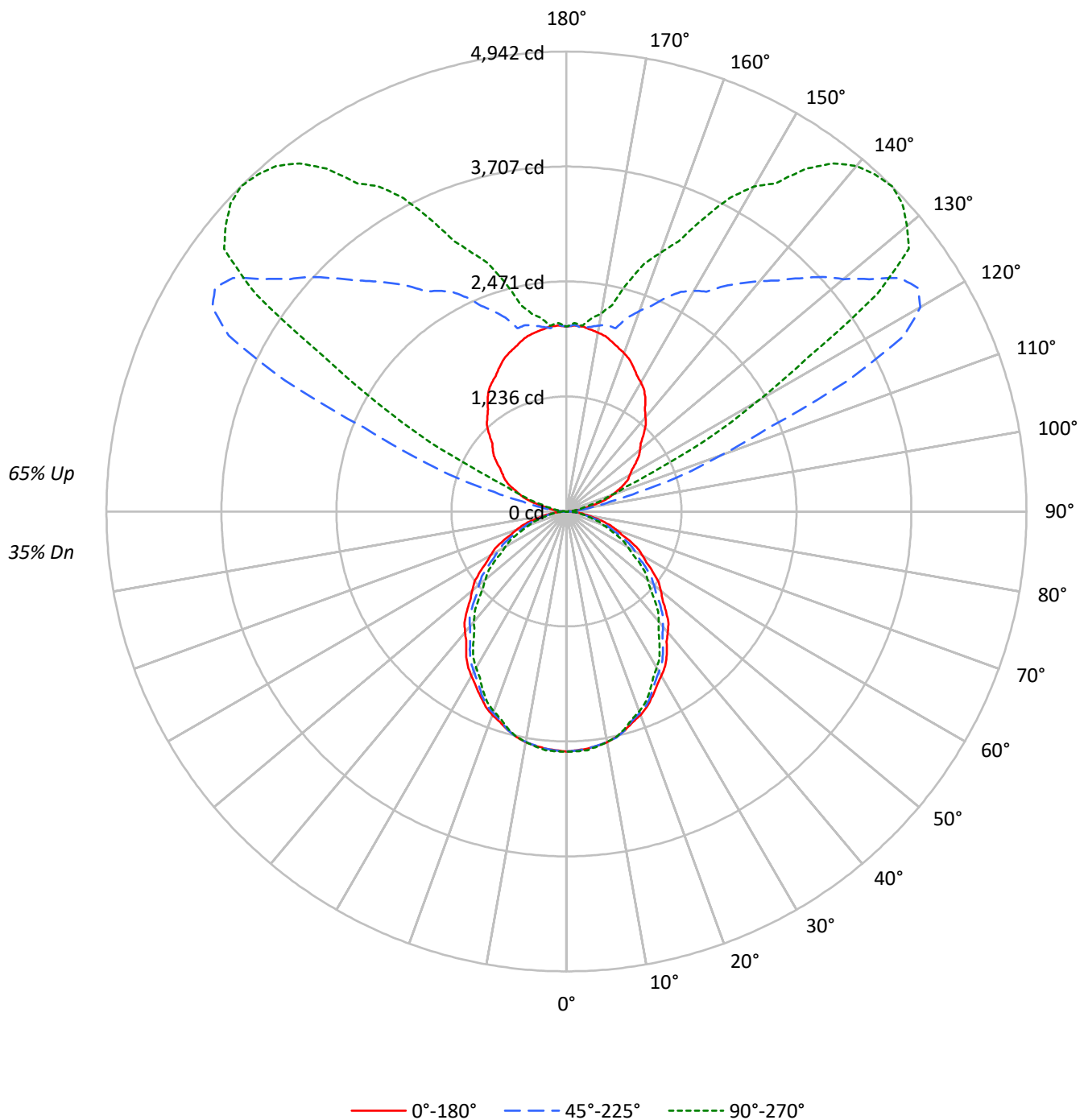
Input Watts (W): 144.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20					20				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	0
RCR																		
0	103	103	103	103	93	93	93	93	75	75	75	58	58	58	42	42	42	35
1	94	90	87	83	85	82	79	76	66	63	62	51	49	48	37	36	36	29
2	86	79	73	68	78	72	67	62	58	54	51	45	42	40	33	31	30	25
3	79	69	62	57	71	63	57	52	51	47	43	40	37	34	29	27	26	21
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22	18
5	66	55	47	41	59	50	43	38	40	35	32	32	28	25	24	21	20	16
6	61	49	41	36	55	45	38	33	36	31	28	29	25	22	21	19	17	14
7	56	44	36	31	51	40	34	29	33	28	24	26	22	20	20	17	15	13
8	52	40	33	27	47	37	30	25	30	25	21	24	20	18	18	16	14	11
9	48	36	29	24	44	33	27	23	27	23	19	22	18	16	17	14	12	10
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14602	14602	14602
5°	14533	14543	14627
10°	14469	14448	14448
15°	14247	14247	14161
20°	14016	13873	13751
25°	13663	13491	13251
30°	13328	12981	12670
35°	12977	12496	12052
40°	12509	11914	11399
45°	12085	11395	10692
50°	11648	10777	10003
55°	11174	10180	9347
60°	10661	9562	8608
65°	10061	8859	7828
70°	9369	8036	6974
75°	8494	7051	6210
80°	7405	5913	5493
85°	5712	4998	4998

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12085 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.5	1.4
10°-20°	684.2	3.8
20°-30°	994.0	5.6
30°-40°	1130.1	6.3
40°-50°	1097.1	6.1
50°-60°	926.3	5.2
60°-70°	659.0	3.7
70°-80°	352.1	2.0
80°-90°	93.0	0.5
90°-100°	134.3	0.8
100°-110°	703.7	3.9
110°-120°	1771.4	9.9
120°-130°	2732.7	15.3
130°-140°	2501.7	14.0
140°-150°	1846.3	10.3
150°-160°	1176.9	6.6
160°-170°	619.6	3.5
170°-180°	192.9	1.1
0°-30°	1921.7	10.8
0°-40°	3051.9	17.1
0°-60°	5075.2	28.4
0°-90°	6179.4	34.6
90°-120°	2609.3	14.6
90°-150°	9690.0	54.3
90°-180°	11679.0	65.4
0°-180°	17858.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2581	2581	2581	2581	2581	
5°	2559	2591	2561	2558	2576	243
15°	2433	2454	2433	2418	2418	685
25°	2189	2196	2161	2132	2123	1008
35°	1879	1861	1809	1756	1745	1171
45°	1510	1487	1424	1356	1336	1165
55°	1133	1102	1032	966	948	1013
65°	752	725	662	603	585	744
75°	389	367	323	290	284	414
85°	88	81	77	77	77	104
90°	0	0	0	0	0	6
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°	2581.1	2581.1	2581.1	2581.1	2581.1
2.5°	2567.9	2593.7	2570.8	2573.9	2579.6
5°	2559.1	2591.3	2560.9	2557.6	2575.6
7.5°	2539.3	2568.7	2537.1	2529.7	2545.9
10°	2518.7	2551.0	2515.1	2506.1	2515.1
12.5°	2482.1	2515.8	2487.2	2472.3	2479.9
15°	2432.6	2454.1	2432.6	2417.9	2417.9
17.5°	2372.1	2394.7	2354.1	2343.8	2339.8
20°	2328.1	2347.8	2304.3	2289.5	2284.1
22.5°	2269.4	2287.7	2251.5	2226.4	2219.6
25°	2188.8	2195.9	2161.3	2131.7	2122.8
27.5°	2107.7	2109.5	2061.9	2026.1	2014.3
30°	2040.3	2042.1	1987.1	1948.4	1939.5
32.5°	1972.8	1967.4	1915.3	1869.3	1863.2
35°	1879.0	1861.0	1809.3	1755.9	1745.1
37.5°	1765.7	1754.9	1693.8	1640.3	1624.2
40°	1693.8	1675.9	1613.2	1559.6	1543.5
42.5°	1622.0	1601.2	1536.9	1477.5	1459.9
45°	1510.5	1487.2	1424.3	1356.1	1336.4
47.5°	1398.3	1372.9	1303.7	1237.6	1215.7
50°	1323.5	1296.6	1224.5	1159.8	1136.5
52.5°	1247.3	1218.9	1146.8	1080.8	1061.8
55°	1132.9	1102.4	1032.1	965.7	947.7
57.5°	1018.5	988.4	918.4	855.6	834.1
60°	942.2	913.6	845.1	782.3	760.8
62.5°	864.5	837.3	770.3	709.0	688.9
65°	751.6	724.7	661.8	602.7	584.8
67.5°	639.8	616.8	554.7	500.5	486.1
70°	566.4	544.9	485.8	436.0	421.6
72.5°	496.0	473.1	416.9	374.5	364.4
75°	388.6	367.1	322.6	289.5	284.1
77.5°	290.4	272.8	234.3	215.5	212.6
80°	227.3	211.2	181.5	168.6	168.6
82.5°	168.6	155.4	136.0	130.5	130.5
85°	88.0	80.8	77.0	77.0	77.0
87.5°	26.4	26.4	24.9	23.5	23.5
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)