

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: P1057106

Luminaire Tested: CB3-B-125U-030D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057106
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-030D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING 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: 13798.6 lumens
Efficiency: N/A
Efficacy: 126.2 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

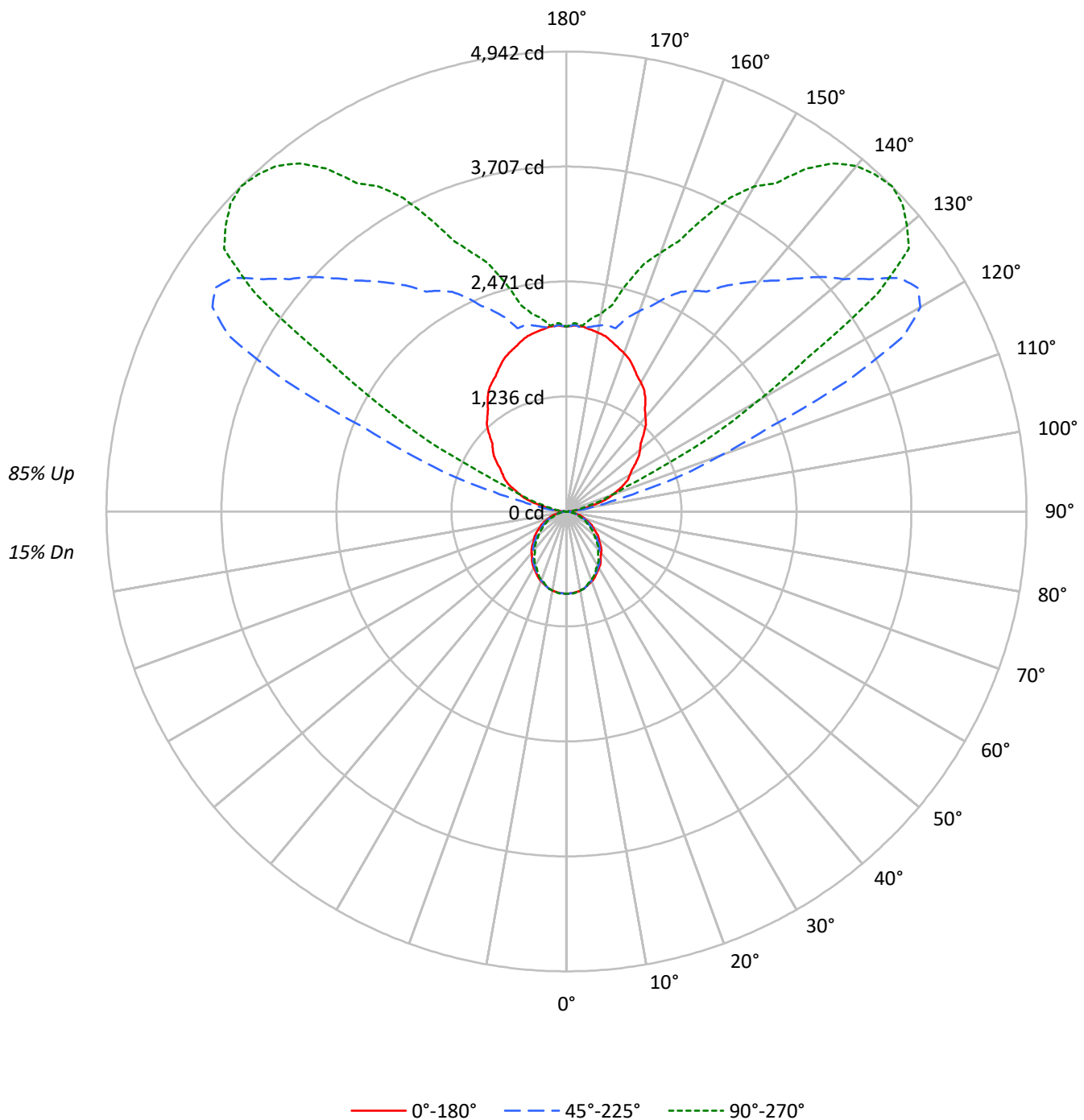
Input Watts (W): 109.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	99	99	99	99	87	87	87	87	64	64	64	43	43	43	24	24	24
1	90	86	82	79	79	76	73	70	56	54	52	38	37	36	21	21	21
2	82	75	69	65	72	66	61	57	49	46	43	33	32	30	19	18	17
3	75	66	59	54	65	58	52	48	43	40	36	30	27	25	17	16	15
4	68	58	51	45	60	51	45	40	38	34	31	26	24	22	15	14	13
5	63	52	44	38	55	46	39	34	34	30	26	23	21	19	14	12	11
6	57	46	39	33	50	41	34	30	31	26	23	21	18	16	12	11	10
7	53	41	34	29	46	37	30	26	28	23	20	19	16	14	11	10	9
8	49	37	30	25	43	33	27	23	25	21	18	17	15	13	10	9	8
9	45	34	27	22	40	30	24	20	23	19	16	16	13	11	9	8	7
10	42	31	24	20	37	27	22	18	21	17	14	15	12	10	9	7	6

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	4452	4345
35°	4450	4285	4133
40°	4290	4085	3909
45°	4144	3908	3667
50°	3995	3696	3431
55°	3832	3491	3206
60°	3656	3279	2952
65°	3451	3037	2684
70°	3214	2756	2392
75°	2914	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°	83.5	0.6
10°-20°	234.6	1.7
20°-30°	340.9	2.5
30°-40°	387.6	2.8
40°-50°	376.2	2.7
50°-60°	317.7	2.3
60°-70°	226.0	1.6
70°-80°	120.7	0.9
80°-90°	31.9	0.2
90°-100°	134.3	1.0
100°-110°	703.7	5.1
110°-120°	1771.4	12.8
120°-130°	2732.7	19.8
130°-140°	2501.7	18.1
140°-150°	1846.3	13.4
150°-160°	1176.9	8.5
160°-170°	619.6	4.5
170°-180°	192.9	1.4
0°-30°	659.0	4.8
0°-40°	1046.6	7.6
0°-60°	1740.5	12.6
0°-90°	2119.2	15.4
90°-120°	2609.3	18.9
90°-150°	9690.0	70.2
90°-180°	11679.0	84.6
0°-180°	13798.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	885	885	885	885	885	
5°	878	889	878	877	883	83
15°	834	842	834	829	829	235
25°	751	753	741	731	728	346
35°	644	638	620	602	598	402
45°	518	510	488	465	458	400
55°	388	378	354	331	325	347
65°	258	248	227	207	200	255
75°	133	126	111	99	97	142
85°	30	28	26	26	26	36
90°	0	0	0	0	0	4
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°	885.2	885.2	885.2	885.2	885.2
2.5°	880.6	889.5	881.6	882.7	884.7
5°	877.6	888.7	878.2	877.1	883.3
7.5°	870.8	880.9	870.1	867.6	873.1
10°	863.8	874.8	862.5	859.5	862.5
12.5°	851.2	862.8	853.0	847.9	850.5
15°	834.2	841.6	834.2	829.2	829.2
17.5°	813.5	821.2	807.3	803.8	802.4
20°	798.4	805.2	790.2	785.2	783.3
22.5°	778.3	784.6	772.1	763.5	761.2
25°	750.6	753.1	741.2	731.1	728.0
27.5°	722.8	723.5	707.1	694.8	690.8
30°	699.7	700.3	681.5	668.2	665.1
32.5°	676.6	674.7	656.8	641.1	639.0
35°	644.4	638.2	620.5	602.2	598.5
37.5°	605.5	601.8	580.9	562.5	557.0
40°	580.9	574.7	553.2	534.9	529.3
42.5°	556.2	549.1	527.1	506.7	500.7
45°	518.0	510.0	488.5	465.1	458.3
47.5°	479.5	470.8	447.1	424.4	416.9
50°	453.9	444.7	419.9	397.8	389.8
52.5°	427.7	418.0	393.3	370.6	364.1
55°	388.5	378.1	353.9	331.2	325.0
57.5°	349.3	339.0	315.0	293.4	286.0
60°	323.1	313.3	289.8	268.3	260.9
62.5°	296.5	287.1	264.2	243.1	236.3
65°	257.8	248.5	226.9	206.7	200.5
67.5°	219.4	211.5	190.2	171.6	166.7
70°	194.3	186.9	166.6	149.5	144.6
72.5°	170.1	162.2	143.0	128.4	125.0
75°	133.3	125.9	110.6	99.3	97.4
77.5°	99.6	93.6	80.3	73.9	72.9
80°	78.0	72.4	62.2	57.8	57.8
82.5°	57.8	53.3	46.6	44.8	44.8
85°	30.2	27.7	26.4	26.4	26.4
87.5°	9.1	9.1	8.5	8.0	8.0
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)