

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: P1057000

Luminaire Tested: CB2-B-125U-030D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057000
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-119-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-B-125U-030D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15616.8 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Indirect

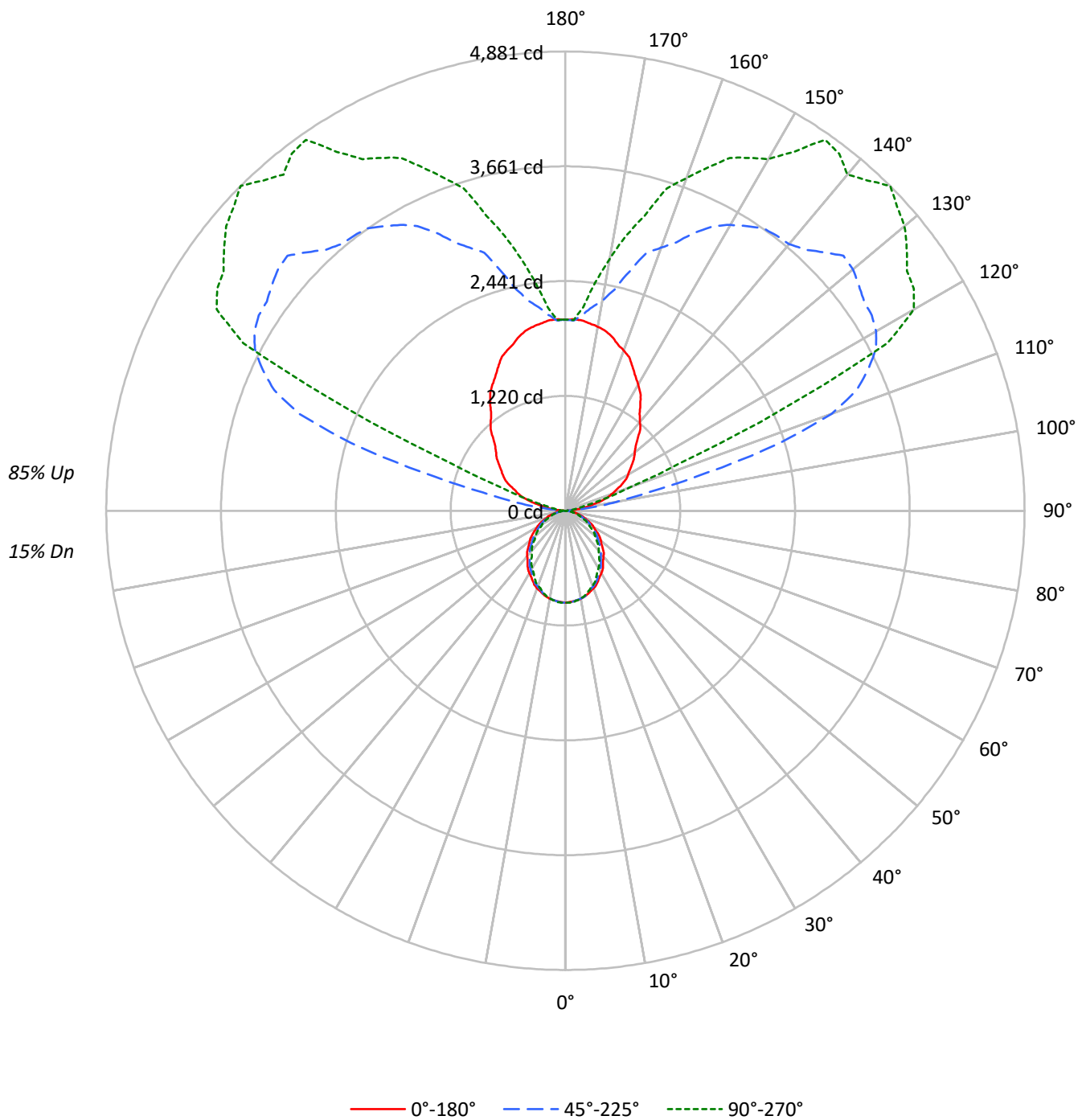
Input Watts (W): 114.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	86	86	86	86	64	64	64	43	43	43	24	24	24
1	90	86	82	79	79	75	72	70	56	54	52	38	36	35	21	20	20
2	82	75	69	64	71	66	61	57	49	46	43	33	31	30	18	18	17
3	75	66	59	54	65	58	52	48	43	39	36	29	27	25	16	15	14
4	68	58	51	45	59	51	45	40	38	34	31	26	23	21	15	13	12
5	62	52	44	38	54	45	39	34	34	30	26	23	21	18	13	12	11
6	57	46	38	33	50	41	34	30	30	26	23	21	18	16	12	11	9
7	53	41	34	29	46	37	30	26	27	23	20	19	16	14	11	9	8
8	49	37	30	25	43	33	27	23	25	21	17	17	14	12	10	9	7
9	45	34	27	22	40	30	24	20	23	18	15	16	13	11	9	8	7
10	42	31	24	20	37	27	22	18	21	17	14	14	12	10	8	7	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8521	8521	8521
5°	8448	8461	8520
10°	8400	8380	8373
15°	8267	8213	8145
20°	8137	7956	7845
25°	7918	7695	7479
30°	7699	7360	7081
35°	7446	7017	6682
40°	7179	6694	6303
45°	6910	6356	5933
50°	6668	6029	5572
55°	6369	5688	5232
60°	6028	5363	4893
65°	5665	5001	4554
70°	5266	4596	4120
75°	4788	4159	3732
80°	4283	3646	3380
85°	3297	2998	2468

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6910 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.0	0.6
10°-20°	256.5	1.6
20°-30°	368.8	2.4
30°-40°	414.5	2.7
40°-50°	400.4	2.6
50°-60°	338.3	2.2
60°-70°	243.0	1.6
70°-80°	132.8	0.9
80°-90°	35.3	0.2
90°-100°	152.1	1.0
100°-110°	941.7	6.0
110°-120°	2374.8	15.2
120°-130°	2854.8	18.3
130°-140°	2588.3	16.6
140°-150°	2064.0	13.2
150°-160°	1407.9	9.0
160°-170°	744.6	4.8
170°-180°	207.2	1.3
0°-30°	717.2	4.6
0°-40°	1131.7	7.2
0°-60°	1870.4	12.0
0°-90°	2281.4	14.6
90°-120°	3468.6	22.2
90°-150°	10975.6	70.3
90°-180°	13335.0	85.4
0°-180°	15616.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	978	978	978	978	978	
5°	966	980	968	968	975	92
15°	917	925	911	902	903	258
25°	824	825	801	783	778	379
35°	700	692	660	634	628	438
45°	561	549	516	489	482	433
55°	420	404	375	351	345	375
65°	275	265	243	225	221	273
75°	142	134	124	114	111	152
85°	33	31	30	26	25	39
90°	0	0	0	0	0	4
95°	79	198	61	44	44	100
105°	385	1078	1557	391	262	404
115°	665	1469	3552	3306	2519	652
125°	866	1781	3875	4410	4435	775
135°	1085	1974	3884	4548	4881	843
145°	1391	2075	3665	4418	4811	870
155°	1688	2116	3263	3932	4138	777
165°	1916	2095	2633	3100	3246	538
175°	2030	2055	2091	2127	2170	192
180°	2030	2030	2030	2030	2030	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	978.4	978.4	978.4	978.4	978.4
2.5°	971.8	983.5	974.8	976.0	977.8
5°	966.4	979.6	967.9	968.0	974.6
7.5°	959.5	971.9	957.2	954.5	960.7
10°	949.9	962.3	947.6	942.5	946.9
12.5°	937.3	949.2	935.1	926.9	930.7
15°	916.9	925.0	910.9	902.0	903.4
17.5°	894.8	899.7	879.5	872.0	870.5
20°	878.0	882.4	858.5	848.0	846.5
22.5°	856.4	860.2	835.1	822.2	820.1
25°	824.0	824.8	800.8	782.7	778.3
27.5°	790.2	787.8	761.3	739.9	734.1
30°	765.6	762.7	731.9	709.3	704.2
32.5°	739.2	734.0	703.1	678.7	673.6
35°	700.4	692.4	660.0	634.4	628.5
37.5°	659.1	650.0	618.2	590.3	583.7
40°	631.5	621.3	588.8	560.9	554.4
42.5°	603.9	592.5	559.4	531.6	524.4
45°	561.1	549.4	516.1	489.0	481.7
47.5°	520.3	505.4	473.1	446.2	438.8
50°	492.2	476.1	445.0	418.6	411.3
52.5°	463.4	446.7	416.8	391.6	384.3
55°	419.5	404.1	374.6	351.2	344.6
57.5°	376.1	361.3	334.3	311.9	305.5
60°	346.1	333.6	307.9	286.8	280.9
62.5°	317.3	306.1	281.5	262.2	256.4
65°	274.9	264.7	242.7	225.4	221.0
67.5°	233.7	223.5	205.7	190.2	185.2
70°	206.8	196.5	180.5	166.2	161.8
72.5°	181.0	170.1	157.2	144.1	140.8
75°	142.3	133.5	123.6	113.8	110.9
77.5°	108.2	99.7	92.4	85.5	84.8
80°	85.4	78.1	72.7	68.2	67.4
82.5°	63.8	58.3	54.7	51.4	51.2
85°	33.0	30.8	30.0	26.2	24.7
87.5°	9.6	9.6	8.4	7.2	7.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	21.0	34.7	14.0	14.0	14.0
95°	78.7	198.5	61.2	43.7	43.7
97.5°	164.5	475.8	330.7	89.0	77.0
100°	227.4	689.3	568.6	130.6	105.0
102.5°	290.4	875.5	897.5	207.1	161.0
105°	384.9	1077.7	1557.1	390.7	262.4
107.5°	477.6	1209.8	2386.4	806.3	486.4
110°	533.6	1286.3	3009.3	1257.0	752.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	589.6	1362.8	3352.2	2015.0	1298.2
115°	664.8	1468.9	3551.6	3306.3	2519.4
117.5°	727.8	1566.1	3723.1	4088.8	3857.8
120°	769.8	1642.3	3814.1	4200.7	4277.7
122.5°	811.8	1697.9	3863.1	4244.3	4389.7
125°	866.0	1781.3	3875.3	4409.5	4435.2
127.5°	920.3	1844.0	3933.0	4561.4	4573.4
130°	962.3	1886.0	3989.0	4612.3	4706.4
132.5°	1011.3	1921.3	4010.0	4641.3	4783.3
135°	1084.7	1974.3	3884.1	4547.7	4881.3
137.5°	1177.5	2012.3	3763.3	4545.0	4760.6
140°	1233.4	2020.4	3700.3	4645.5	4662.6
142.5°	1296.4	2042.3	3686.3	4634.5	4781.6
145°	1390.9	2075.2	3665.4	4417.9	4811.3
147.5°	1485.4	2096.1	3584.9	4178.8	4522.6
150°	1548.4	2104.3	3507.9	4098.9	4312.7
152.5°	1611.4	2112.6	3409.9	4049.1	4228.7
155°	1688.3	2116.0	3263.0	3932.5	4137.7
157.5°	1768.8	2105.8	3086.2	3719.4	3943.5
160°	1810.8	2093.1	2974.3	3564.9	3761.6
162.5°	1852.8	2087.2	2876.3	3362.7	3593.6
165°	1915.8	2095.4	2633.1	3100.0	3245.5
167.5°	1957.8	2087.8	2405.7	2788.2	2993.5
170°	1985.8	2088.4	2265.7	2549.5	2720.6
172.5°	2006.8	2054.7	2181.7	2331.3	2447.7
175°	2029.5	2055.2	2090.7	2126.7	2169.5
177.5°	2036.5	2050.2	2022.5	2015.8	2029.5
180°	2029.5	2029.5	2029.5	2029.5	2029.5

(END OF REPORT)