

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: P1057009

Luminaire Tested: CB2-B-125U-120D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057009
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-120D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 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: 22805.6 lumens
Efficiency: N/A
Efficacy: 123.7 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: General Diffuse

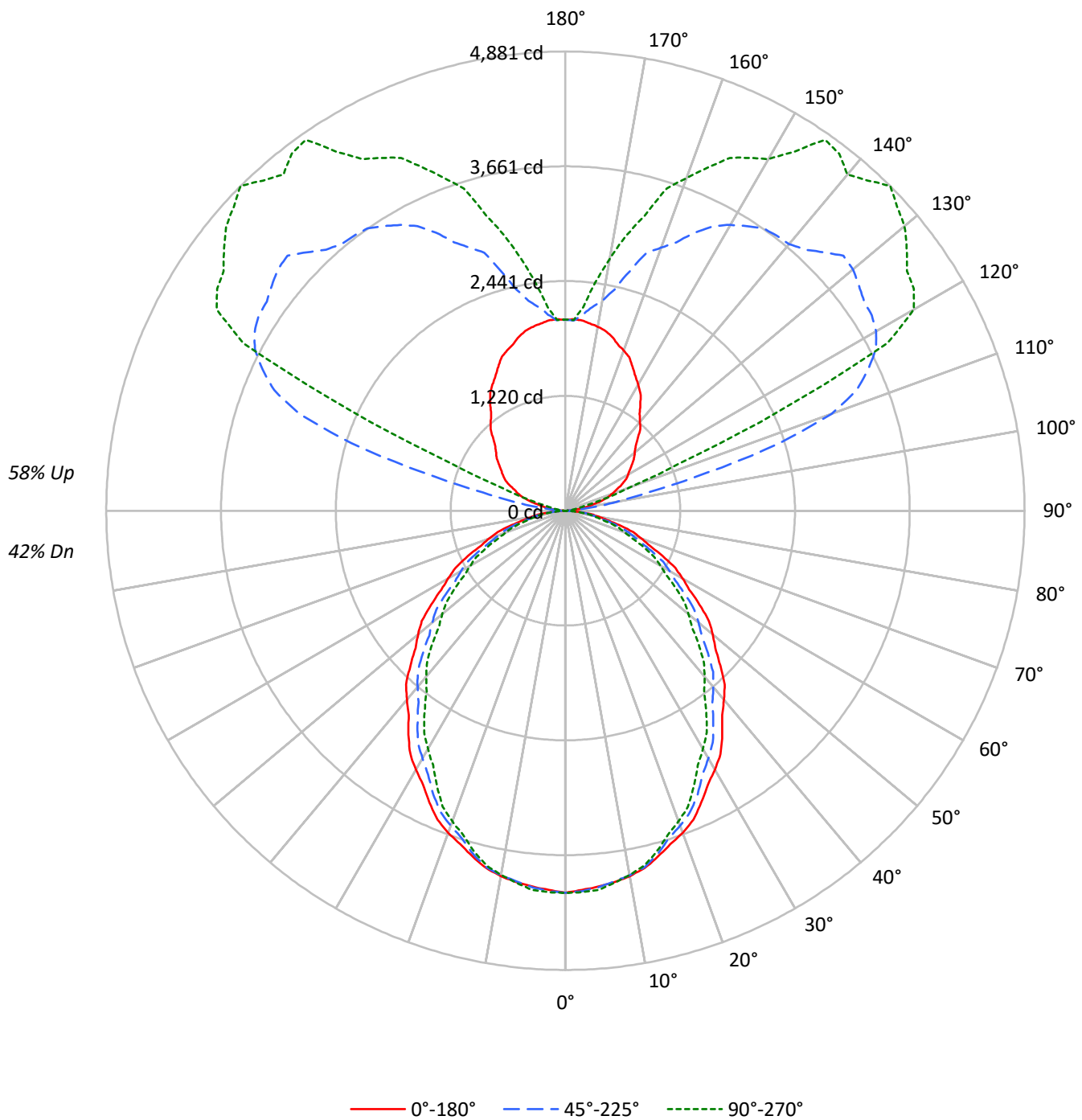
Input Watts (W): 184.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	48	48	48
1	96	92	88	85	87	84	81	78	69	67	65	55	54	53	43	42	41
2	88	80	74	69	80	74	68	64	61	57	54	49	46	44	38	36	35
3	80	71	64	58	73	65	59	54	54	49	45	43	40	37	34	32	30
4	73	63	55	49	67	57	51	46	48	43	39	39	35	32	30	28	26
5	67	56	48	42	61	51	44	39	43	38	34	35	31	28	27	25	23
6	62	50	42	36	56	46	39	34	39	33	29	31	28	25	25	22	20
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	23	20	18
8	53	41	33	28	48	38	31	26	32	27	23	26	22	19	21	18	16
9	49	37	30	25	45	35	28	24	29	24	21	24	20	17	19	17	14
10	46	34	27	23	42	32	25	21	27	22	18	22	18	16	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35368	35368	35368
5°	35067	35122	35366
10°	34868	34786	34758
15°	34316	34092	33811
20°	33776	33026	32565
25°	32868	31942	31046
30°	31958	30551	29393
35°	30911	29126	27737
40°	29801	27787	26160
45°	28685	26387	24626
50°	27679	25025	23130
55°	26440	23607	21718
60°	25022	22261	20310
65°	23516	20761	18902
70°	21854	19082	17103
75°	19879	17265	15485
80°	17779	15126	14037
85°	13669	12430	10252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28685 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.9	1.7
10°-20°	1064.6	4.7
20°-30°	1530.7	6.7
30°-40°	1720.5	7.5
40°-50°	1662.0	7.3
50°-60°	1404.2	6.2
60°-70°	1008.6	4.4
70°-80°	551.3	2.4
80°-90°	146.4	0.6
90°-100°	152.1	0.7
100°-110°	941.7	4.1
110°-120°	2374.8	10.4
120°-130°	2854.8	12.5
130°-140°	2588.3	11.3
140°-150°	2064.0	9.1
150°-160°	1407.9	6.2
160°-170°	744.6	3.3
170°-180°	207.2	0.9
0°-30°	2977.2	13.1
0°-40°	4697.7	20.6
0°-60°	7763.9	34.0
0°-90°	9470.2	41.5
90°-120°	3468.6	15.2
90°-150°	10975.6	48.1
90°-180°	13335.0	58.5
0°-180°	22805.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4061	4061	4061	4061	4061	
5°	4011	4066	4018	4018	4046	381
15°	3806	3840	3781	3744	3750	1073
25°	3421	3424	3324	3249	3231	1575
35°	2908	2874	2740	2633	2609	1816
45°	2329	2280	2142	2030	2000	1799
55°	1741	1678	1555	1458	1430	1557
65°	1141	1099	1008	936	917	1132
75°	591	554	513	472	460	632
85°	137	128	124	109	103	163
90°	0	0	0	0	0	8
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°	4061.2	4061.2	4061.2	4061.2	4061.2
2.5°	4033.8	4082.4	4046.2	4051.4	4058.7
5°	4011.4	4066.1	4017.6	4018.3	4045.6
7.5°	3982.8	4034.5	3973.5	3962.2	3987.8
10°	3943.0	3994.7	3933.7	3912.3	3930.6
12.5°	3890.8	3940.0	3881.4	3847.6	3863.4
15°	3806.2	3839.6	3781.3	3744.1	3750.2
17.5°	3714.1	3734.8	3650.7	3619.5	3613.4
20°	3644.5	3662.7	3563.6	3520.0	3513.9
22.5°	3554.9	3570.7	3466.6	3412.9	3404.4
25°	3420.6	3423.6	3324.2	3249.1	3230.9
27.5°	3280.0	3270.3	3160.0	3071.1	3047.4
30°	3178.0	3165.9	3038.1	2944.3	2923.0
32.5°	3068.6	3046.7	2918.7	2817.5	2796.2
35°	2907.5	2874.0	2739.6	2633.3	2609.0
37.5°	2735.8	2698.1	2566.1	2450.4	2423.0
40°	2621.4	2578.8	2444.2	2328.5	2301.1
42.5°	2507.0	2459.5	2322.3	2206.5	2176.7
45°	2329.1	2280.5	2142.5	2029.9	1999.5
47.5°	2159.9	2097.9	1964.0	1852.0	1821.6
50°	2043.0	1976.1	1847.1	1737.6	1707.2
52.5°	1923.6	1854.3	1730.2	1625.6	1595.2
55°	1741.4	1677.5	1554.8	1457.8	1430.4
57.5°	1561.0	1499.6	1387.5	1294.9	1268.1
60°	1436.6	1385.0	1278.1	1190.4	1166.1
62.5°	1317.2	1270.4	1168.6	1088.4	1064.1
65°	1141.2	1098.7	1007.5	935.6	917.3
67.5°	970.2	927.6	853.9	789.4	768.7
70°	858.3	815.7	749.4	689.9	671.7
72.5°	751.3	706.3	652.4	598.0	584.6
75°	590.8	554.3	513.1	472.4	460.2
77.5°	449.0	413.8	383.7	355.0	352.0
80°	354.5	324.1	301.6	282.9	279.9
82.5°	264.9	241.8	227.0	213.3	212.7
85°	136.8	127.7	124.4	108.7	102.6
87.5°	39.8	39.8	34.8	29.9	29.9
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)