

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: P1056964

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

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1056964
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-030U-030D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5330.3 lumens
Efficiency: N/A
Efficacy: 145.2 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

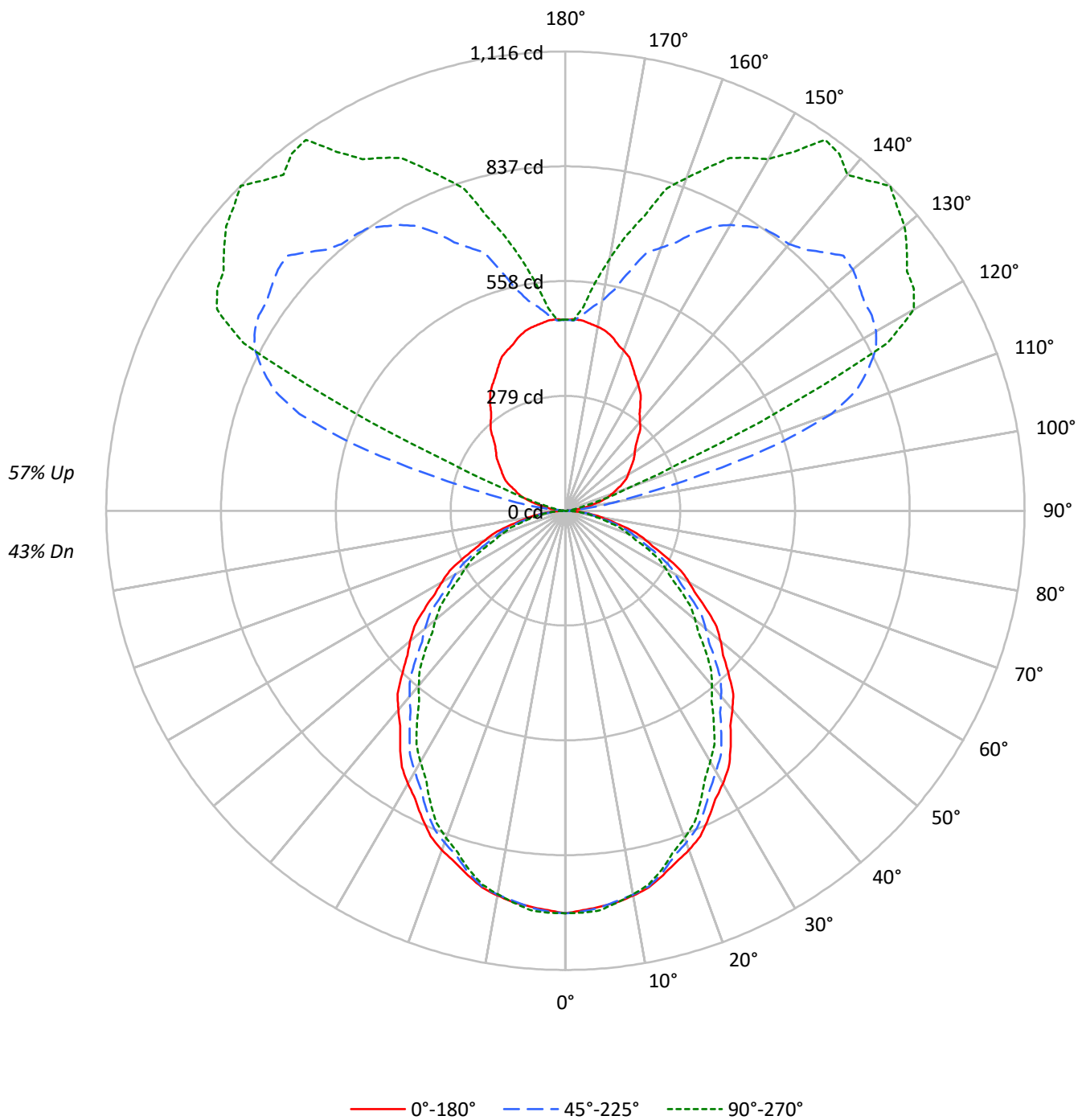
Input Watts (W): 36.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	64	64	64	50	50	50
1	96	92	88	85	88	84	81	78	70	67	65	56	55	53	44	43	42
2	88	81	75	70	80	74	69	64	61	58	54	50	47	45	39	37	36
3	80	71	64	58	73	65	59	54	54	50	46	44	41	38	35	32	31
4	73	63	55	49	67	58	51	46	48	43	39	39	36	33	31	29	26
5	67	56	48	42	61	52	45	39	43	38	34	35	31	28	28	25	23
6	62	50	42	37	57	46	39	34	39	34	30	32	28	25	25	23	20
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	21	19	16
9	50	38	30	25	45	35	28	24	30	24	21	25	21	18	20	17	15
10	46	34	27	23	42	32	26	21	27	22	19	23	19	16	18	16	13

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	1.7
10°-20°	256.5	4.8
20°-30°	368.8	6.9
30°-40°	414.5	7.8
40°-50°	400.4	7.5
50°-60°	338.3	6.3
60°-70°	243.0	4.6
70°-80°	132.8	2.5
80°-90°	35.3	0.7
90°-100°	34.8	0.7
100°-110°	215.3	4.0
110°-120°	543.0	10.2
120°-130°	652.7	12.2
130°-140°	591.8	11.1
140°-150°	471.9	8.9
150°-160°	321.9	6.0
160°-170°	170.2	3.2
170°-180°	47.4	0.9
0°-30°	717.2	13.5
0°-40°	1131.7	21.2
0°-60°	1870.4	35.1
0°-90°	2281.4	42.8
90°-120°	793.0	14.9
90°-150°	2509.4	47.1
90°-180°	3049.0	57.2
0°-180°	5330.3	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	2
95°	18	45	14	10	10	23
105°	88	246	356	89	60	92
115°	152	336	812	756	576	149
125°	198	407	886	1008	1014	177
135°	248	451	888	1040	1116	193
145°	318	474	838	1010	1100	199
155°	386	484	746	899	946	178
165°	438	479	602	709	742	123
175°	464	470	478	486	496	44
180°	464	464	464	464	464	

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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°	4.8	7.9	3.2	3.2	3.2
95°	18.0	45.4	14.0	10.0	10.0
97.5°	37.6	108.8	75.6	20.3	17.6
100°	52.0	157.6	130.0	29.9	24.0
102.5°	66.4	200.2	205.2	47.4	36.8
105°	88.0	246.4	356.0	89.3	60.0
107.5°	109.2	276.6	545.6	184.3	111.2
110°	122.0	294.1	688.0	287.4	172.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	134.8	311.6	766.4	460.7	296.8
115°	152.0	335.8	812.0	755.9	576.0
117.5°	166.4	358.1	851.2	934.8	882.0
120°	176.0	375.5	872.0	960.4	978.0
122.5°	185.6	388.2	883.2	970.4	1003.6
125°	198.0	407.3	886.0	1008.2	1014.0
127.5°	210.4	421.6	899.2	1042.9	1045.6
130°	220.0	431.2	912.0	1054.5	1076.0
132.5°	231.2	439.3	916.8	1061.2	1093.6
135°	248.0	451.4	888.0	1039.8	1116.0
137.5°	269.2	460.1	860.4	1039.1	1088.4
140°	282.0	461.9	846.0	1062.1	1066.0
142.5°	296.4	466.9	842.8	1059.6	1093.2
145°	318.0	474.5	838.0	1010.1	1100.0
147.5°	339.6	479.2	819.6	955.4	1034.0
150°	354.0	481.1	802.0	937.1	986.0
152.5°	368.4	483.0	779.6	925.8	966.8
155°	386.0	483.8	746.0	899.1	946.0
157.5°	404.4	481.5	705.6	850.4	901.6
160°	414.0	478.5	680.0	815.0	860.0
162.5°	423.6	477.2	657.6	768.8	821.6
165°	438.0	479.1	602.0	708.8	742.0
167.5°	447.6	477.3	550.0	637.5	684.4
170°	454.0	477.5	518.0	582.9	622.0
172.5°	458.8	469.8	498.8	533.0	559.6
175°	464.0	469.9	478.0	486.2	496.0
177.5°	465.6	468.7	462.4	460.9	464.0
180°	464.0	464.0	464.0	464.0	464.0

(END OF REPORT)