

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: P1056962

Luminaire Tested: CB2-B-030U-030D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1056962
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4951.7 lumens
Efficiency: N/A
Efficacy: 134.9 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

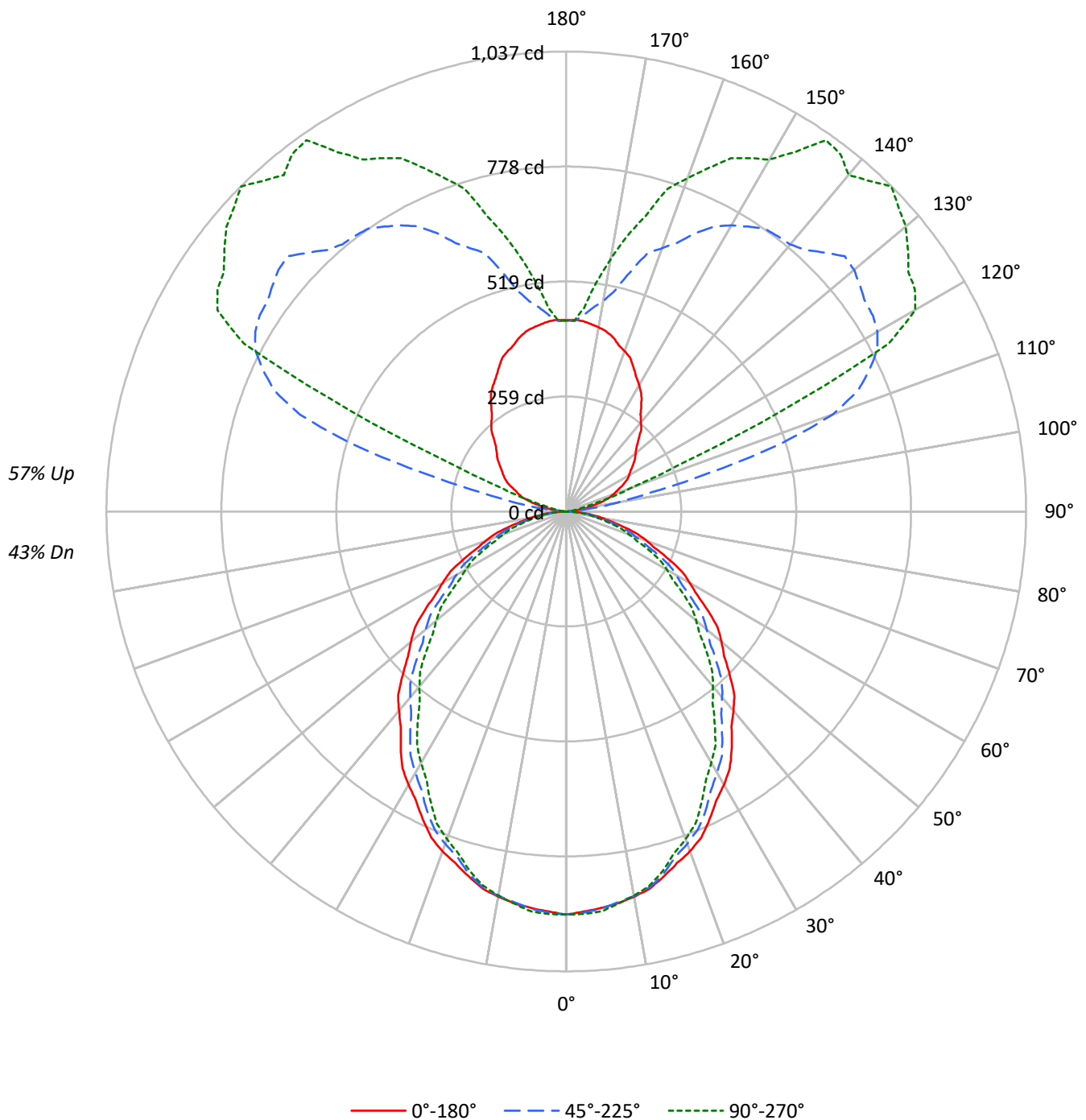
Input Watts (W): 36.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	7915	7915	7915
5°	7848	7860	7915
10°	7803	7785	7778
15°	7680	7629	7567
20°	7559	7391	7288
25°	7356	7148	6947
30°	7152	6837	6579
35°	6918	6518	6208
40°	6669	6218	5855
45°	6419	5905	5511
50°	6194	5601	5177
55°	5917	5284	4860
60°	5600	4981	4546
65°	5263	4647	4231
70°	4891	4270	3827
75°	4448	3863	3466
80°	3977	3385	3139
85°	3058	2778	2298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6419 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	1.7
10°-20°	238.2	4.8
20°-30°	342.6	6.9
30°-40°	385.0	7.8
40°-50°	371.9	7.5
50°-60°	314.3	6.3
60°-70°	225.7	4.6
70°-80°	123.4	2.5
80°-90°	32.8	0.7
90°-100°	32.3	0.7
100°-110°	200.0	4.0
110°-120°	504.4	10.2
120°-130°	606.3	12.2
130°-140°	549.7	11.1
140°-150°	438.4	8.9
150°-160°	299.0	6.0
160°-170°	158.1	3.2
170°-180°	44.0	0.9
0°-30°	666.3	13.5
0°-40°	1051.3	21.2
0°-60°	1737.5	35.1
0°-90°	2119.3	42.8
90°-120°	736.7	14.9
90°-150°	2331.1	47.1
90°-180°	2832.0	57.2
0°-180°	4951.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	909	909	909	909	909	
5°	898	910	899	899	905	85
15°	852	859	846	838	839	240
25°	766	766	744	727	723	352
35°	651	643	613	589	584	406
45°	521	510	480	454	448	403
55°	390	375	348	326	320	348
65°	255	246	226	209	205	253
75°	132	124	115	106	103	141
85°	31	29	28	24	23	36
90°	0	0	0	0	0	2
95°	17	42	13	9	9	21
105°	82	229	331	83	56	86
115°	141	312	754	702	535	138
125°	184	378	823	936	942	165
135°	230	419	825	966	1037	179
145°	295	441	778	938	1022	185
155°	359	449	693	835	879	165
165°	407	445	559	658	689	114
175°	431	436	444	452	461	41
180°	431	431	431	431	431	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	908.9	908.9	908.9	908.9	908.9
2.5°	902.7	913.6	905.5	906.7	908.3
5°	897.7	910.0	899.1	899.2	905.4
7.5°	891.3	902.9	889.2	886.7	892.4
10°	882.4	894.0	880.3	875.5	879.6
12.5°	870.7	881.7	868.6	861.1	864.6
15°	851.8	859.3	846.2	837.9	839.3
17.5°	831.2	835.8	817.0	810.0	808.6
20°	815.6	819.7	797.5	787.7	786.4
22.5°	795.6	799.1	775.8	763.8	761.9
25°	765.5	766.2	743.9	727.1	723.0
27.5°	734.0	731.9	707.2	687.3	682.0
30°	711.2	708.5	679.9	658.9	654.2
32.5°	686.7	681.8	653.2	630.5	625.8
35°	650.7	643.2	613.1	589.3	583.9
37.5°	612.3	603.8	574.3	548.4	542.2
40°	586.6	577.1	547.0	521.1	515.0
42.5°	561.0	550.4	519.7	493.8	487.1
45°	521.2	510.3	479.5	454.3	447.5
47.5°	483.4	469.5	439.5	414.5	407.7
50°	457.2	442.2	413.4	388.9	382.1
52.5°	430.5	415.0	387.2	363.8	357.0
55°	389.7	375.4	348.0	326.2	320.1
57.5°	349.3	335.6	310.5	289.8	283.8
60°	321.5	309.9	286.0	266.4	261.0
62.5°	294.8	284.3	261.5	243.6	238.1
65°	255.4	245.9	225.5	209.4	205.3
67.5°	217.1	207.6	191.1	176.7	172.0
70°	192.1	182.5	167.7	154.4	150.3
72.5°	168.1	158.1	146.0	133.8	130.8
75°	132.2	124.1	114.8	105.7	103.0
77.5°	100.5	92.6	85.9	79.5	78.8
80°	79.3	72.5	67.5	63.3	62.6
82.5°	59.3	54.1	50.8	47.7	47.6
85°	30.6	28.6	27.8	24.3	23.0
87.5°	8.9	8.9	7.8	6.7	6.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	4.5	7.4	3.0	3.0	3.0
95°	16.7	42.2	13.0	9.3	9.3
97.5°	34.9	101.1	70.2	18.9	16.4
100°	48.3	146.4	120.8	27.7	22.3
102.5°	61.7	185.9	190.6	44.0	34.2
105°	81.8	228.9	330.7	83.0	55.7
107.5°	101.4	257.0	506.9	171.2	103.3
110°	113.3	273.2	639.1	267.0	159.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	125.2	289.5	712.0	428.0	275.7
115°	141.2	312.0	754.3	702.2	535.1
117.5°	154.6	332.6	790.7	868.4	819.4
120°	163.5	348.8	810.1	892.2	908.5
122.5°	172.4	360.6	820.5	901.4	932.3
125°	183.9	378.3	823.1	936.5	942.0
127.5°	195.5	391.7	835.3	968.8	971.3
130°	204.4	400.6	847.2	979.6	999.6
132.5°	214.8	408.1	851.7	985.8	1015.9
135°	230.4	419.3	824.9	965.9	1036.7
137.5°	250.1	427.4	799.3	965.3	1011.1
140°	262.0	429.1	785.9	986.7	990.3
142.5°	275.3	433.8	782.9	984.3	1015.6
145°	295.4	440.7	778.5	938.3	1021.9
147.5°	315.5	445.2	761.4	887.5	960.6
150°	328.9	446.9	745.0	870.6	916.0
152.5°	342.2	448.7	724.2	860.0	898.1
155°	358.6	449.4	693.0	835.2	878.8
157.5°	375.7	447.3	655.5	790.0	837.6
160°	384.6	444.5	631.7	757.1	798.9
162.5°	393.5	443.3	610.9	714.2	763.2
165°	406.9	445.0	559.2	658.4	689.3
167.5°	415.8	443.4	510.9	592.2	635.8
170°	421.8	443.6	481.2	541.5	577.8
172.5°	426.2	436.4	463.4	495.1	519.9
175°	431.0	436.5	444.1	451.7	460.8
177.5°	432.5	435.4	429.6	428.1	431.0
180°	431.0	431.0	431.0	431.0	431.0

(END OF REPORT)