

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: P1057070

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

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057070
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-030U-030D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-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: 4789.5 lumens
Efficiency: N/A
Efficacy: 138.4 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: General Diffuse

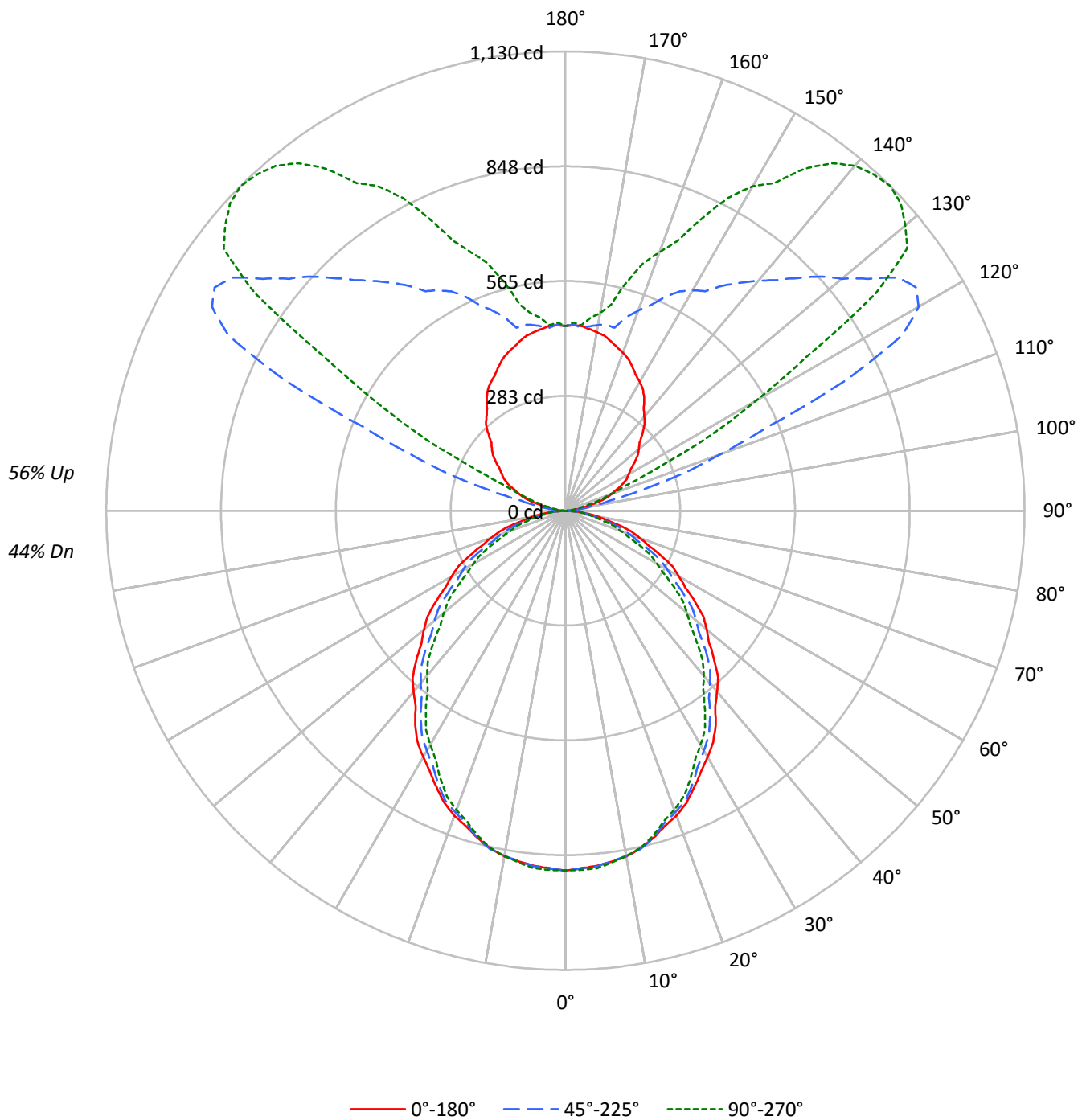
Input Watts (W): 34.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057070

CATALOG NUMBER: CB3-B-030U-030D-830-1D-UNV-STD-W-8

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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51
1	97	92	89	85	88	85	82	79	70	68	66	57	56	54	45	44	43
2	88	81	75	70	80	74	69	65	62	58	55	50	48	46	40	38	37
3	80	71	64	58	73	65	59	54	55	50	46	45	41	39	36	33	31
4	74	63	55	49	67	58	51	46	49	44	40	40	36	33	32	29	27
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24
6	62	50	42	37	57	47	40	34	39	34	30	32	28	25	26	23	21
7	58	46	38	32	53	42	35	30	36	30	26	30	26	22	24	21	19
8	53	41	34	29	49	38	32	27	33	27	23	27	23	20	22	19	17
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	20	17	15
10	46	35	28	23	43	32	26	21	27	22	19	23	19	16	19	16	14

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

TEST NUMBER: P1057070

CATALOG NUMBER: CB3-B-030U-030D-830-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	1.7
10°-20°	234.6	4.9
20°-30°	340.9	7.1
30°-40°	387.6	8.1
40°-50°	376.2	7.9
50°-60°	317.7	6.6
60°-70°	226.0	4.7
70°-80°	120.7	2.5
80°-90°	31.9	0.7
90°-100°	30.7	0.6
100°-110°	160.9	3.4
110°-120°	405.0	8.5
120°-130°	624.8	13.0
130°-140°	572.0	11.9
140°-150°	422.1	8.8
150°-160°	269.1	5.6
160°-170°	141.7	3.0
170°-180°	44.1	0.9
0°-30°	659.0	13.8
0°-40°	1046.6	21.9
0°-60°	1740.5	36.3
0°-90°	2119.2	44.2
90°-120°	596.6	12.5
90°-150°	2215.5	46.3
90°-180°	2670.0	55.7
0°-180°	4789.5	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	2
95°	16	45	18	10	10	20
105°	82	254	184	76	62	88
115°	156	318	764	332	252	152
125°	208	321	1000	1008	932	186
135°	268	358	810	1105	1130	207
145°	338	391	676	940	1028	210
155°	390	419	580	718	792	180
165°	432	444	466	545	582	122
175°	456	466	452	454	458	43
180°	454	454	454	454	454	

TEST NUMBER: P1057070

CATALOG NUMBER: CB3-B-030U-030D-830-1D-UNV-STD-W-8

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°	4.8	11.1	3.2	1.6	3.2
95°	16.0	45.3	18.0	10.0	10.0
97.5°	33.2	101.3	46.4	24.7	22.4
100°	46.0	143.8	72.0	35.9	32.0
102.5°	60.4	186.3	108.8	48.6	41.6
105°	82.0	254.1	184.0	75.7	62.0
107.5°	106.0	300.4	303.2	116.7	94.0
110°	122.0	319.5	404.0	153.2	118.0

TEST NUMBER: P1057070

CATALOG NUMBER: CB3-B-030U-030D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	136.4	324.5	538.4	208.9	161.2
115°	156.0	318.3	764.0	332.2	252.0
117.5°	170.4	303.0	935.2	528.5	407.6
120°	180.0	303.2	1004.0	676.9	542.0
122.5°	191.2	305.0	1023.2	824.4	700.4
125°	208.0	321.4	1000.0	1008.3	932.0
127.5°	224.8	333.5	937.6	1083.9	1060.0
130°	236.0	341.6	888.0	1109.6	1092.0
132.5°	247.2	349.7	852.8	1110.2	1119.2
135°	268.0	358.0	810.0	1104.6	1130.0
137.5°	289.2	368.2	770.0	1069.6	1122.4
140°	302.0	376.3	738.0	1031.7	1108.0
142.5°	316.4	382.9	707.6	996.6	1077.6
145°	338.0	390.8	676.0	940.0	1028.0
147.5°	354.8	395.1	640.4	882.8	955.6
150°	366.0	395.3	626.0	832.0	922.0
152.5°	375.6	403.4	608.4	785.5	867.6
155°	390.0	419.3	580.0	717.7	792.0
157.5°	404.4	432.6	546.4	667.1	717.6
160°	414.0	437.5	524.0	642.8	676.0
162.5°	422.0	442.3	500.0	601.3	639.2
165°	432.0	443.7	466.0	544.8	582.0
167.5°	441.2	447.1	468.8	489.5	519.6
170°	446.0	451.9	464.0	484.2	494.0
172.5°	450.8	459.8	457.6	471.4	479.6
175°	456.0	465.8	452.0	454.1	458.0
177.5°	457.2	461.9	458.8	458.9	463.6
180°	454.0	454.0	454.0	454.0	454.0

(END OF REPORT)