

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: P1057119

Luminaire Tested: CB3-D-030U-030D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057119
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-030U-030D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4620.2 lumens
Efficiency: N/A
Efficacy: 133.5 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

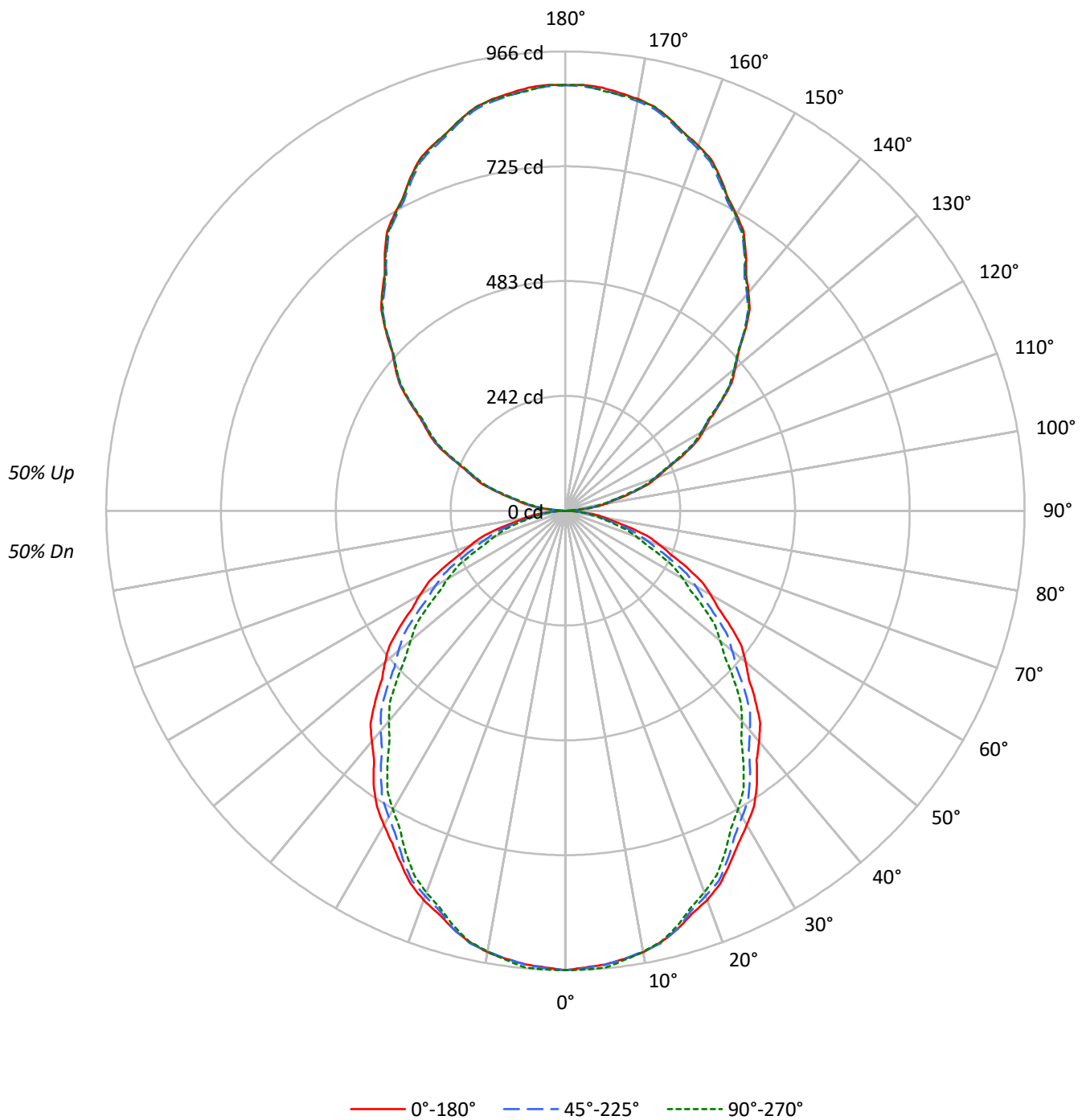
Input Watts (W): 34.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56
1	98	94	90	86	90	87	83	80	73	71	69	61	60	58	50	49	48
2	89	82	76	71	82	76	71	66	64	61	57	54	51	49	44	42	41
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35
4	75	64	56	50	69	59	53	47	51	46	41	43	39	36	35	32	30
5	69	57	49	43	63	53	46	41	46	40	36	38	34	31	32	29	26
6	63	51	43	38	58	48	41	35	41	35	31	35	30	27	29	26	23
7	59	46	38	33	54	43	36	31	37	32	28	32	27	24	26	23	21
8	54	42	34	29	50	39	32	28	34	29	25	29	25	22	24	21	19
9	51	39	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5467	5467	5467
5°	5442	5445	5480
10°	5418	5410	5410
15°	5335	5335	5303
20°	5249	5194	5145
25°	5112	5048	4958
30°	4987	4857	4741
35°	4855	4676	4510
40°	4681	4458	4265
45°	4522	4264	4000
50°	4358	4033	3742
55°	4181	3809	3497
60°	3988	3578	3220
65°	3764	3314	2929
70°	3505	3007	2610
75°	3178	2638	2324
80°	2769	2212	2056
85°	2136	1869	1869

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4522 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	2.0
10°-20°	256.2	5.5
20°-30°	372.0	8.1
30°-40°	422.9	9.2
40°-50°	410.5	8.9
50°-60°	346.6	7.5
60°-70°	246.6	5.3
70°-80°	131.7	2.9
80°-90°	34.8	0.8
90°-100°	37.8	0.8
100°-110°	148.0	3.2
110°-120°	263.8	5.7
120°-130°	357.0	7.7
130°-140°	410.5	8.9
140°-150°	411.9	8.9
150°-160°	354.2	7.7
160°-170°	239.8	5.2
170°-180°	84.6	1.8
0°-30°	719.4	15.6
0°-40°	1142.2	24.7
0°-60°	1899.3	41.1
0°-90°	2312.4	50.1
90°-120°	449.7	9.7
90°-150°	1629.1	35.3
90°-180°	2308.0	50.0
0°-180°	4620.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	966	966	966	966	966	
5°	958	970	959	958	965	91
15°	911	919	911	905	905	257
25°	819	822	809	798	794	377
35°	703	696	677	657	653	438
45°	565	556	533	507	500	436
55°	424	412	386	361	355	379
65°	281	271	248	226	219	279
75°	145	137	121	108	106	155
85°	33	30	29	29	29	39
90°	0	0	0	0	0	3
95°	36	33	30	28	28	42
105°	144	143	138	136	135	153
115°	269	270	264	264	263	267
125°	401	406	398	396	397	359
135°	534	540	531	527	532	412
145°	662	667	656	653	659	414
155°	772	779	766	763	771	355
165°	853	860	849	844	853	240
175°	893	901	889	884	887	85
180°	895	895	895	895	895	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	966.4	966.4	966.4	966.4	966.4
2.5°	961.5	971.1	962.6	963.7	965.9
5°	958.2	970.3	958.9	957.7	965.0
7.5°	950.8	961.8	950.0	947.2	953.2
10°	943.1	955.2	941.7	938.4	941.7
12.5°	929.4	942.0	931.3	925.7	928.6
15°	910.9	918.9	910.9	905.4	905.4
17.5°	888.2	896.7	881.5	877.6	876.0
20°	871.8	879.1	862.8	857.3	854.6
22.5°	849.8	856.7	843.1	833.2	830.5
25°	818.9	821.6	808.7	797.6	794.3
27.5°	788.6	789.3	771.5	758.1	753.7
30°	763.4	764.1	743.5	729.0	725.7
32.5°	738.2	736.1	716.6	699.4	697.1
35°	703.0	696.3	677.0	657.0	653.0
37.5°	660.6	656.6	633.8	613.7	607.7
40°	633.8	627.1	603.6	583.6	577.5
42.5°	606.9	599.1	575.0	552.8	546.2
45°	565.2	556.5	532.9	507.4	500.0
47.5°	523.2	513.7	487.8	463.1	454.9
50°	495.2	485.2	458.2	434.0	425.2
52.5°	466.7	456.1	429.1	404.4	397.3
55°	423.9	412.5	386.2	361.3	354.6
57.5°	381.1	369.8	343.6	320.1	312.1
60°	352.5	341.8	316.2	292.7	284.6
62.5°	323.5	313.3	288.2	265.3	257.8
65°	281.2	271.2	247.6	225.5	218.8
67.5°	239.4	230.8	207.5	187.3	181.9
70°	211.9	203.9	181.8	163.1	157.8
72.5°	185.6	177.0	156.0	140.1	136.4
75°	145.4	137.4	120.7	108.3	106.3
77.5°	108.6	102.1	87.7	80.6	79.6
80°	85.0	79.0	67.9	63.1	63.1
82.5°	63.1	58.1	50.9	48.8	48.8
85°	32.9	30.2	28.8	28.8	28.8
87.5°	9.9	9.9	9.3	8.8	8.8
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.9	8.8	5.5	4.4	4.4
95°	36.4	33.0	29.5	27.5	28.1
97.5°	67.1	63.9	59.6	57.5	58.1
100°	88.6	85.9	81.0	79.0	79.0
102.5°	109.4	107.8	103.0	100.9	101.5
105°	143.5	142.8	138.0	135.9	134.6
107.5°	181.1	179.9	174.5	174.4	173.2
110°	205.3	204.6	199.8	199.1	198.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	230.0	230.9	225.6	224.9	224.2
115°	269.1	270.5	264.3	263.6	263.0
117.5°	309.2	311.1	304.6	303.8	302.6
120°	335.0	339.1	330.9	330.2	329.6
122.5°	361.4	364.9	357.3	356.1	355.9
125°	401.0	405.7	397.5	396.2	396.8
127.5°	440.5	445.3	437.8	435.0	436.5
130°	466.9	472.2	464.1	461.4	463.4
132.5°	493.8	499.2	491.0	488.4	491.4
135°	534.2	539.5	530.7	526.7	532.1
137.5°	573.6	578.3	568.6	565.9	571.5
140°	599.4	604.1	593.9	590.6	597.3
142.5°	624.6	629.9	618.6	615.3	622.6
145°	661.9	667.2	656.4	653.1	659.1
147.5°	697.6	703.1	692.1	688.2	694.4
150°	719.5	725.6	714.0	710.8	717.5
152.5°	740.9	747.5	735.5	731.7	740.0
155°	772.4	779.1	766.2	763.0	771.0
157.5°	800.7	806.9	795.2	791.9	798.9
160°	817.7	824.4	812.2	809.0	817.0
162.5°	832.5	839.3	828.1	823.8	831.9
165°	852.7	860.1	848.6	844.0	852.7
167.5°	869.6	877.5	865.4	861.2	869.9
170°	879.5	886.9	874.7	869.4	878.1
172.5°	886.1	893.5	881.3	875.9	882.0
175°	893.2	901.3	889.1	883.7	887.1
177.5°	896.4	902.8	893.1	888.3	895.8
180°	895.3	895.3	895.3	895.3	895.3

(END OF REPORT)