

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: P1057011

Luminaire Tested: CB2-D-030U-030D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057011
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-030U-030D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-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: 4620.3 lumens
Efficiency: N/A
Efficacy: 125.9 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

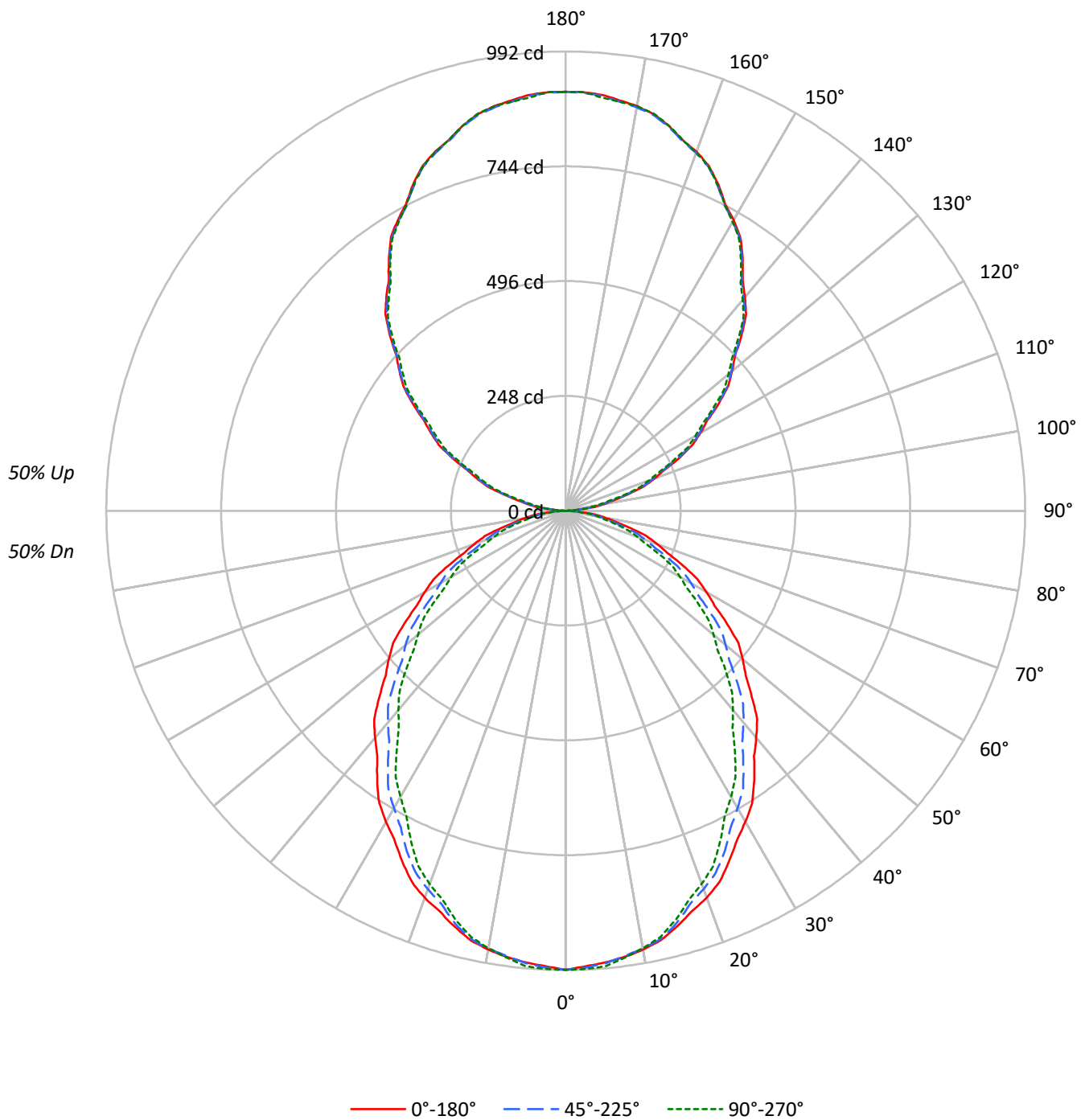
Input Watts (W): 36.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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	36	31	35	31	27	29	26	23
7	59	46	39	33	54	43	36	31	37	32	28	32	27	24	26	23	21
8	54	42	35	29	50	39	33	28	34	29	25	29	25	22	24	21	19
9	51	39	31	26	47	36	29	25	31	26	22	27	23	19	23	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°	8636	8636	8636
5°	8562	8576	8635
10°	8513	8494	8487
15°	8378	8323	8256
20°	8246	8064	7952
25°	8025	7799	7581
30°	7803	7459	7177
35°	7547	7111	6772
40°	7276	6785	6387
45°	7004	6442	6013
50°	6758	6110	5647
55°	6456	5764	5303
60°	6110	5436	4959
65°	5741	5069	4616
70°	5337	4660	4176
75°	4855	4216	3782
80°	4343	3691	3425
85°	3337	3038	2508

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7004 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	2.0
10°-20°	259.9	5.6
20°-30°	373.7	8.1
30°-40°	420.1	9.1
40°-50°	405.8	8.8
50°-60°	342.9	7.4
60°-70°	246.3	5.3
70°-80°	134.6	2.9
80°-90°	35.8	0.8
90°-100°	35.0	0.8
100°-110°	144.2	3.1
110°-120°	261.8	5.7
120°-130°	356.2	7.7
130°-140°	411.2	8.9
140°-150°	414.4	9.0
150°-160°	357.6	7.7
160°-170°	242.3	5.2
170°-180°	85.5	1.9
0°-30°	726.9	15.7
0°-40°	1147.0	24.8
0°-60°	1895.6	41.0
0°-90°	2312.3	50.0
90°-120°	440.9	9.5
90°-150°	1622.6	35.1
90°-180°	2308.0	50.0
0°-180°	4620.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	992	992	992	992	992	
5°	979	993	981	981	988	93
15°	929	938	923	914	916	262
25°	835	836	812	793	789	384
35°	710	702	669	643	637	443
45°	569	557	523	496	488	439
55°	425	410	380	356	349	380
65°	279	268	246	228	224	276
75°	144	135	125	115	112	154
85°	33	31	30	26	25	40
90°	0	0	1	0	1	2
95°	34	30	28	22	22	39
105°	143	140	137	129	128	151
115°	271	270	265	258	257	268
125°	403	407	399	390	391	360
135°	537	543	534	525	528	414
145°	666	673	663	655	660	416
155°	779	786	775	770	776	358
165°	860	870	858	854	861	242
175°	902	911	899	894	896	86
180°	905	905	905	905	905	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	991.6	991.6	991.6	991.6	991.6
2.5°	984.9	996.8	987.9	989.2	991.0
5°	979.4	992.8	981.0	981.1	987.8
7.5°	972.4	985.1	970.2	967.4	973.7
10°	962.7	975.3	960.5	955.2	959.7
12.5°	950.0	962.0	947.7	939.4	943.3
15°	929.3	937.5	923.2	914.2	915.7
17.5°	906.8	911.9	891.4	883.7	882.2
20°	889.8	894.3	870.1	859.4	858.0
22.5°	868.0	871.8	846.4	833.3	831.2
25°	835.2	835.9	811.6	793.3	788.9
27.5°	800.9	798.5	771.5	749.9	744.1
30°	776.0	773.0	741.8	718.9	713.7
32.5°	749.2	743.9	712.6	687.9	682.7
35°	709.9	701.7	668.9	642.9	637.0
37.5°	668.0	658.8	626.5	598.3	591.6
40°	640.0	629.7	596.8	568.5	561.8
42.5°	612.1	600.5	567.0	538.8	531.5
45°	568.7	556.8	523.1	495.6	488.2
47.5°	527.4	512.2	479.5	452.2	444.8
50°	498.8	482.5	451.0	424.3	416.8
52.5°	469.7	452.7	422.4	396.9	389.5
55°	425.2	409.6	379.6	355.9	349.3
57.5°	381.1	366.1	338.8	316.2	309.6
60°	350.8	338.2	312.1	290.7	284.7
62.5°	321.6	310.2	285.3	265.8	259.8
65°	278.6	268.3	246.0	228.4	224.0
67.5°	236.9	226.5	208.5	192.7	187.7
70°	209.6	199.2	183.0	168.5	164.0
72.5°	183.4	172.4	159.3	146.0	142.7
75°	144.3	135.3	125.3	115.3	112.4
77.5°	109.6	101.0	93.7	86.7	85.9
80°	86.6	79.1	73.6	69.1	68.3
82.5°	64.7	59.0	55.4	52.1	51.9
85°	33.4	31.2	30.4	26.5	25.1
87.5°	9.7	9.7	8.6	7.3	7.4
90°	0.0	0.0	0.7	0.0	0.7
92.5°	8.5	7.4	6.9	4.5	5.2
95°	33.9	29.7	28.2	21.9	21.9
97.5°	64.0	59.8	57.6	51.1	49.7
100°	85.4	81.3	79.1	72.0	70.6
102.5°	107.4	105.5	101.7	94.0	92.6
105°	142.6	140.5	136.9	129.2	127.8
107.5°	178.7	179.2	173.8	167.4	165.5
110°	204.7	204.0	199.8	193.4	192.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	231.3	230.0	225.8	219.4	218.0
115°	271.1	270.4	265.4	257.6	257.0
117.5°	308.9	311.1	305.2	297.0	296.8
120°	336.0	338.8	331.8	324.7	323.3
122.5°	362.6	365.9	358.9	350.7	351.0
125°	403.1	407.2	398.8	390.4	391.1
127.5°	442.2	447.3	439.5	430.9	431.7
130°	468.7	474.9	466.6	457.5	458.8
132.5°	495.8	502.1	493.7	484.0	486.5
135°	537.2	543.4	534.4	524.6	528.0
137.5°	576.2	582.4	572.5	564.3	568.4
140°	602.2	608.4	597.9	590.2	594.4
142.5°	627.6	634.9	623.9	615.7	620.9
145°	665.7	673.3	662.9	655.2	660.0
147.5°	701.8	709.4	698.9	691.5	696.5
150°	725.0	732.6	721.5	715.2	720.7
152.5°	746.4	755.1	743.5	737.3	744.5
155°	778.6	786.2	775.1	770.3	776.5
157.5°	806.6	815.4	804.3	800.2	805.2
160°	825.2	833.5	822.4	818.3	823.8
162.5°	839.3	848.2	837.6	833.0	839.6
165°	860.5	869.5	858.4	853.6	861.2
167.5°	877.2	886.7	875.5	870.6	878.3
170°	887.3	896.3	884.5	879.1	887.3
172.5°	894.1	903.6	891.3	885.8	891.3
175°	901.5	911.1	899.3	893.7	895.8
177.5°	905.0	912.7	903.3	898.4	905.0
180°	905.0	905.0	905.0	905.0	905.0

(END OF REPORT)