

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: P1057020

Luminaire Tested: CB2-D-030U-120D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057020
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-120D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 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: 11906.2 lumens
Efficiency: N/A
Efficacy: 111.6 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: Semi-Direct

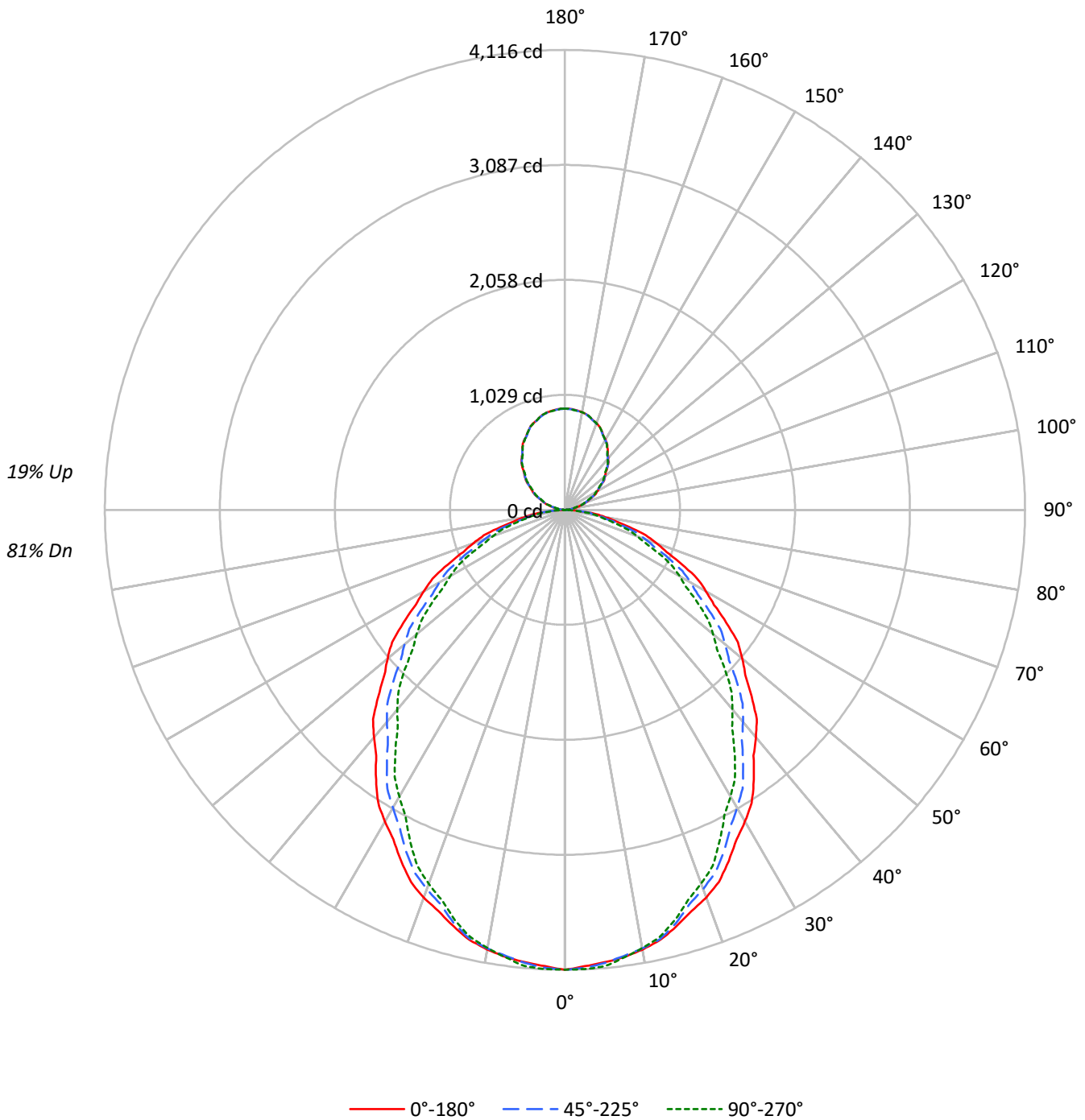
Input Watts (W): 106.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	114	114	114	114	110	110	110	110	100	100	100	92	92	92	84	84	84	81
1	105	100	97	93	100	96	93	90	89	86	83	82	79	77	75	73	72	68
2	96	88	82	77	91	85	79	74	78	73	70	72	68	65	66	63	61	58
3	88	78	70	64	84	75	68	62	69	64	59	64	59	55	59	55	52	49
4	80	69	61	55	77	67	59	53	62	56	51	57	52	48	53	49	45	43
5	74	62	54	47	71	60	52	46	56	49	44	52	46	42	48	43	40	37
6	69	56	48	42	65	54	46	41	50	44	39	47	41	37	44	39	35	33
7	64	51	43	37	61	49	41	36	46	39	34	43	37	33	40	35	31	29
8	59	46	38	33	57	45	37	32	42	36	31	39	34	30	37	32	28	26
9	55	43	35	30	53	41	34	29	39	32	28	36	31	27	34	29	26	24
10	52	39	32	27	50	38	31	26	36	30	25	34	28	24	32	27	23	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35845	35845	35845
5°	35541	35596	35845
10°	35339	35255	35228
15°	34780	34552	34268
20°	34232	33473	33005
25°	33312	32374	31465
30°	32390	30963	29791
35°	31328	29519	28111
40°	30203	28162	26513
45°	29073	26744	24958
50°	28053	25364	23441
55°	26797	23926	22012
60°	25361	22561	20586
65°	23833	21041	19158
70°	22150	19339	17335
75°	20148	17497	15693
80°	18019	15331	14223
85°	13859	12600	10392

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29073 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.1	3.3
10°-20°	1079.0	9.1
20°-30°	1551.4	13.0
30°-40°	1743.7	14.6
40°-50°	1684.4	14.1
50°-60°	1423.2	12.0
60°-70°	1022.3	8.6
70°-80°	558.7	4.7
80°-90°	148.4	1.2
90°-100°	35.0	0.3
100°-110°	144.2	1.2
110°-120°	261.8	2.2
120°-130°	356.2	3.0
130°-140°	411.2	3.5
140°-150°	414.4	3.5
150°-160°	357.6	3.0
160°-170°	242.3	2.0
170°-180°	85.5	0.7
0°-30°	3017.4	25.3
0°-40°	4761.1	40.0
0°-60°	7868.8	66.1
0°-90°	9598.2	80.6
90°-120°	440.9	3.7
90°-150°	1622.6	13.6
90°-180°	2308.0	19.4
0°-180°	11906.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4116	4116	4116	4116	4116	
5°	4066	4121	4072	4072	4100	386
15°	3858	3892	3832	3795	3801	1087
25°	3467	3470	3369	3293	3274	1596
35°	2947	2913	2777	2669	2644	1841
45°	2361	2311	2172	2057	2026	1824
55°	1765	1700	1576	1478	1450	1578
65°	1157	1114	1021	948	930	1147
75°	599	562	520	479	466	641
85°	139	129	126	110	104	165
90°	0	0	1	0	1	7
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°	4116.0	4116.0	4116.0	4116.0	4116.0
2.5°	4088.3	4137.6	4100.9	4106.1	4113.5
5°	4065.6	4121.1	4071.9	4072.5	4100.3
7.5°	4036.6	4089.0	4027.2	4015.8	4041.7
10°	3996.3	4048.7	3986.8	3965.2	3983.7
12.5°	3943.3	3993.2	3933.9	3899.6	3915.6
15°	3857.6	3891.5	3832.4	3794.7	3800.9
17.5°	3764.3	3785.3	3700.0	3668.4	3662.2
20°	3693.7	3712.2	3611.8	3567.5	3561.3
22.5°	3602.9	3619.0	3513.4	3459.0	3450.4
25°	3466.8	3469.9	3369.1	3293.0	3274.5
27.5°	3324.3	3314.5	3202.7	3112.6	3088.6
30°	3221.0	3208.6	3079.1	2984.1	2962.5
32.5°	3110.0	3087.8	2958.1	2855.5	2833.9
35°	2946.8	2912.9	2776.6	2668.9	2644.2
37.5°	2772.8	2734.6	2600.7	2483.5	2455.8
40°	2656.8	2613.7	2477.2	2359.9	2332.2
42.5°	2540.8	2492.8	2353.6	2236.3	2206.1
45°	2360.6	2311.3	2171.5	2057.3	2026.5
47.5°	2189.1	2126.3	1990.6	1877.0	1846.2
50°	2070.6	2002.8	1872.1	1761.1	1730.2
52.5°	1949.6	1879.3	1753.6	1647.6	1616.8
55°	1764.9	1700.2	1575.8	1477.5	1449.8
57.5°	1582.1	1519.9	1406.3	1312.4	1285.2
60°	1456.1	1403.7	1295.3	1206.5	1181.9
62.5°	1335.0	1287.6	1184.4	1103.1	1078.5
65°	1156.6	1113.5	1021.1	948.2	929.7
67.5°	983.3	940.2	865.4	800.0	779.1
70°	869.9	826.7	759.5	699.2	680.8
72.5°	761.4	715.8	661.2	606.1	592.5
75°	598.8	561.8	520.0	478.8	466.4
77.5°	455.1	419.3	388.9	359.8	356.8
80°	359.3	328.5	305.7	286.7	283.6
82.5°	268.5	245.1	230.1	216.2	215.6
85°	138.7	129.4	126.1	110.2	104.0
87.5°	40.3	40.3	35.4	30.3	30.4
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)