

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: P1057056

Luminaire Tested: CB2-D-125U-120D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057056
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-125U-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 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19693.2 lumens
Efficiency: N/A
Efficacy: 106.9 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

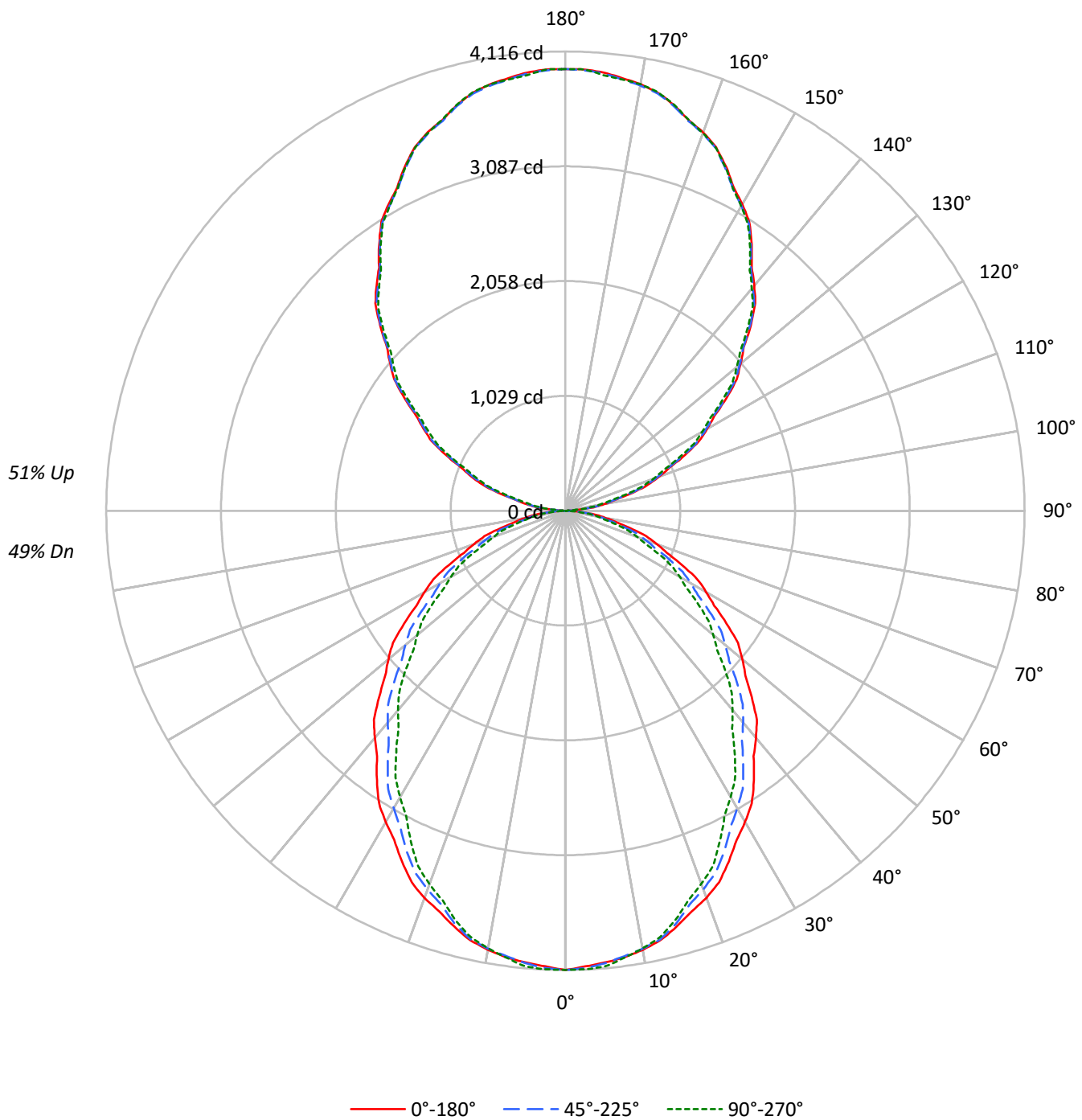
Input Watts (W): 184.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	98	98	98	98	83	83	83	68	68	68	55	55	55
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	40
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	38	36	34
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	34	32	29
5	68	57	49	43	63	53	46	40	45	40	35	38	34	31	31	28	26
6	63	51	43	37	58	48	40	35	41	35	31	34	30	27	28	25	23
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20
8	54	42	34	29	50	39	32	28	34	28	24	29	24	21	24	21	18
9	51	38	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17
10	47	35	28	23	44	33	26	22	29	23	20	24	20	17	20	17	15

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	2.0
10°-20°	1079.0	5.5
20°-30°	1551.4	7.9
30°-40°	1743.7	8.9
40°-50°	1684.4	8.6
50°-60°	1423.2	7.2
60°-70°	1022.3	5.2
70°-80°	558.7	2.8
80°-90°	148.6	0.8
90°-100°	152.9	0.8
100°-110°	630.7	3.2
110°-120°	1144.9	5.8
120°-130°	1557.9	7.9
130°-140°	1798.4	9.1
140°-150°	1812.3	9.2
150°-160°	1564.0	7.9
160°-170°	1060.0	5.4
170°-180°	373.9	1.9
0°-30°	3017.4	15.3
0°-40°	4761.1	24.2
0°-60°	7868.8	40.0
0°-90°	9598.4	48.7
90°-120°	1928.4	9.8
90°-150°	7097.0	36.0
90°-180°	10095.0	51.3
0°-180°	19693.2	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	3	0	3	11
95°	148	130	124	96	96	172
105°	624	615	599	565	559	662
115°	1186	1183	1161	1127	1124	1170
125°	1763	1781	1744	1708	1710	1574
135°	2350	2377	2337	2294	2310	1809
145°	2912	2945	2899	2866	2887	1819
155°	3406	3439	3390	3369	3396	1566
165°	3764	3803	3754	3734	3767	1060
175°	3943	3985	3934	3909	3918	374
180°	3958	3958	3958	3958	3958	

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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	35.9	30.3	30.9
90°	0.0	0.0	3.1	0.1	3.1
92.5°	37.1	32.2	30.3	19.8	22.8
95°	148.2	130.1	123.5	95.7	95.7
97.5°	279.7	261.6	251.9	223.4	217.4
100°	373.6	355.5	345.8	314.8	308.8
102.5°	469.9	461.5	444.6	411.1	405.1
105°	623.7	614.6	599.0	564.9	558.8
107.5°	781.8	783.6	760.2	732.2	723.7
110°	895.4	892.4	873.8	845.9	839.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1011.5	1006.1	987.4	959.5	953.4
115°	1185.6	1182.6	1160.9	1126.9	1123.9
117.5°	1351.1	1360.8	1335.1	1299.2	1298.0
120°	1469.7	1481.8	1451.2	1420.1	1414.1
122.5°	1585.8	1600.3	1569.7	1533.9	1535.1
125°	1763.0	1781.1	1744.5	1707.5	1710.5
127.5°	1934.1	1956.4	1922.3	1884.7	1888.4
130°	2050.1	2077.3	2040.9	2000.9	2006.9
132.5°	2168.7	2195.9	2159.4	2117.1	2128.0
135°	2349.6	2376.8	2337.3	2294.4	2309.5
137.5°	2520.1	2547.2	2504.0	2468.0	2486.1
140°	2633.7	2660.9	2615.2	2581.6	2599.7
142.5°	2744.8	2776.8	2728.8	2692.9	2715.8
145°	2911.6	2944.8	2899.2	2865.7	2886.9
147.5°	3069.7	3102.9	3056.7	3024.5	3046.2
150°	3170.9	3204.1	3155.5	3128.3	3152.4
152.5°	3264.8	3302.8	3251.8	3224.8	3256.1
155°	3405.6	3438.8	3390.1	3369.2	3396.3
157.5°	3527.9	3566.5	3518.0	3499.9	3521.7
160°	3609.4	3645.6	3597.0	3579.0	3603.2
162.5°	3671.1	3709.8	3663.7	3643.4	3672.4
165°	3763.7	3803.0	3754.5	3733.6	3766.8
167.5°	3836.6	3878.3	3829.2	3807.7	3841.6
170°	3881.1	3920.3	3868.7	3844.8	3881.1
172.5°	3910.7	3952.4	3898.4	3874.2	3898.4
175°	3942.8	3985.1	3933.6	3909.1	3918.1
177.5°	3958.3	3992.1	3950.9	3929.3	3958.3
180°	3958.3	3958.3	3958.3	3958.3	3958.3

(END OF REPORT)