

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: P1057032

Luminaire Tested: CB2-D-055U-120D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057032
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-055U-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 550 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14053.9 lumens
Efficiency: N/A
Efficacy: 111.3 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

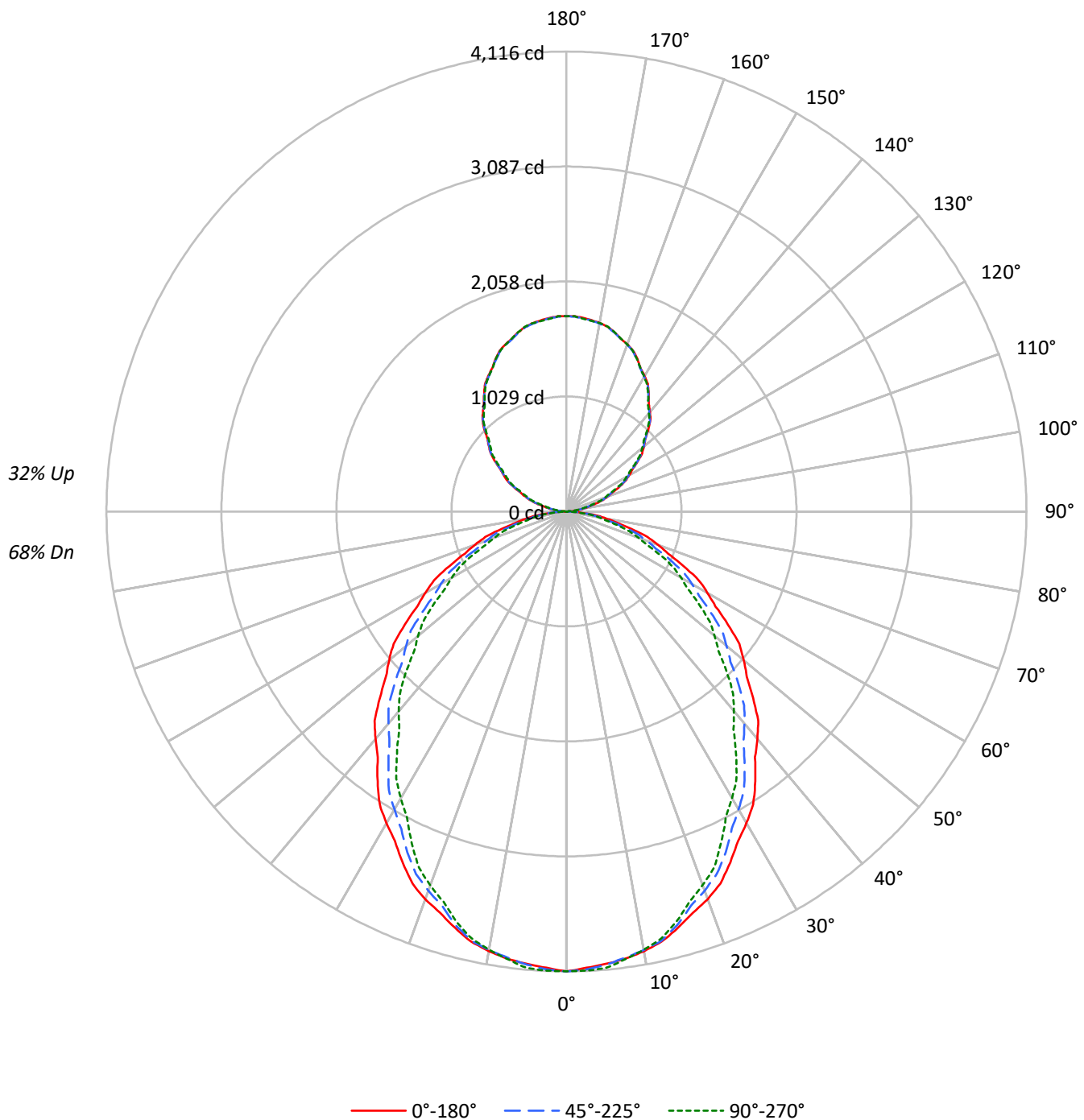
Input Watts (W): 126.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0
RCR																		
0	111	111	111	111	105	105	105	105	93	93	93	83	83	83	73	73	73	68
1	102	98	94	90	96	92	89	86	82	80	77	73	71	70	65	63	62	58
2	93	86	79	74	88	81	76	71	73	68	65	65	61	58	57	55	53	49
3	85	76	68	62	80	72	65	60	64	59	55	57	53	50	51	48	45	42
4	78	67	59	53	74	64	57	51	57	52	47	51	47	43	46	42	39	36
5	72	60	52	46	68	57	50	44	52	45	41	46	41	37	41	37	34	32
6	66	54	46	40	63	52	44	39	47	40	36	42	37	33	38	34	30	28
7	62	49	41	35	58	47	39	34	42	36	32	38	33	29	35	30	27	25
8	57	45	37	31	54	43	35	30	39	33	28	35	30	26	32	28	24	22
9	54	41	33	28	51	39	32	27	36	30	26	33	27	24	29	25	22	20
10	50	38	30	26	47	36	29	25	33	27	23	30	25	22	27	23	20	18

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	2.8
10°-20°	1079.0	7.7
20°-30°	1551.4	11.0
30°-40°	1743.7	12.4
40°-50°	1684.4	12.0
50°-60°	1423.2	10.1
60°-70°	1022.3	7.3
70°-80°	558.7	4.0
80°-90°	148.5	1.1
90°-100°	67.5	0.5
100°-110°	278.4	2.0
110°-120°	505.3	3.6
120°-130°	687.6	4.9
130°-140°	793.8	5.6
140°-150°	799.9	5.7
150°-160°	690.3	4.9
160°-170°	467.9	3.3
170°-180°	165.0	1.2
0°-30°	3017.4	21.5
0°-40°	4761.1	33.9
0°-60°	7868.8	56.0
0°-90°	9598.2	68.3
90°-120°	851.2	6.1
90°-150°	3132.5	22.3
90°-180°	4456.0	31.7
0°-180°	14053.9	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	8
95°	65	57	54	42	42	76
105°	275	271	264	249	247	292
115°	523	522	512	497	496	516
125°	778	786	770	754	755	695
135°	1037	1049	1032	1013	1019	799
145°	1285	1300	1280	1265	1274	803
155°	1503	1518	1496	1487	1499	691
165°	1661	1679	1657	1648	1663	468
175°	1740	1759	1736	1725	1729	165
180°	1747	1747	1747	1747	1747	

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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	35.6	30.3	30.5
90°	0.0	0.0	1.4	0.0	1.4
92.5°	16.4	14.2	13.4	8.8	10.1
95°	65.4	57.4	54.5	42.2	42.2
97.5°	123.5	115.5	111.2	98.6	95.9
100°	164.9	156.9	152.6	138.9	136.3
102.5°	207.4	203.7	196.2	181.5	178.8
105°	275.3	271.3	264.4	249.3	246.7
107.5°	345.1	345.9	335.5	323.2	319.4
110°	395.2	393.9	385.7	373.3	370.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	446.5	444.1	435.8	423.5	420.8
115°	523.3	522.0	512.4	497.4	496.1
117.5°	596.4	600.6	589.3	573.5	572.9
120°	648.7	654.0	640.5	626.8	624.2
122.5°	699.9	706.3	692.8	677.0	677.6
125°	778.2	786.1	770.0	753.7	755.0
127.5°	853.7	863.5	848.5	831.9	833.5
130°	904.9	916.9	900.8	883.1	885.8
132.5°	957.2	969.2	953.1	934.4	939.2
135°	1037.1	1049.1	1031.6	1012.7	1019.4
137.5°	1112.3	1124.3	1105.2	1089.3	1097.3
140°	1162.5	1174.5	1154.3	1139.5	1147.5
142.5°	1211.5	1225.6	1204.4	1188.6	1198.7
145°	1285.1	1299.8	1279.7	1264.9	1274.2
147.5°	1354.9	1369.5	1349.2	1334.9	1344.5
150°	1399.6	1414.2	1392.8	1380.8	1391.4
152.5°	1441.0	1457.8	1435.3	1423.3	1437.2
155°	1503.2	1517.8	1496.3	1487.1	1499.1
157.5°	1557.1	1574.2	1552.8	1544.8	1554.4
160°	1593.1	1609.1	1587.7	1579.7	1590.4
162.5°	1620.4	1637.4	1617.1	1608.1	1620.9
165°	1661.2	1678.6	1657.2	1647.9	1662.6
167.5°	1693.4	1711.8	1690.1	1680.7	1695.6
170°	1713.0	1730.4	1707.6	1697.0	1713.0
172.5°	1726.1	1744.5	1720.7	1710.0	1720.7
175°	1740.3	1758.9	1736.2	1725.4	1729.4
177.5°	1747.1	1762.0	1743.8	1734.3	1747.1
180°	1747.1	1747.1	1747.1	1747.1	1747.1

(END OF REPORT)