

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: P1057033

Luminaire Tested: CB2-D-055U-120D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057033
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-840-1D-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13866.5 lumens
Efficiency: N/A
Efficacy: 109.8 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

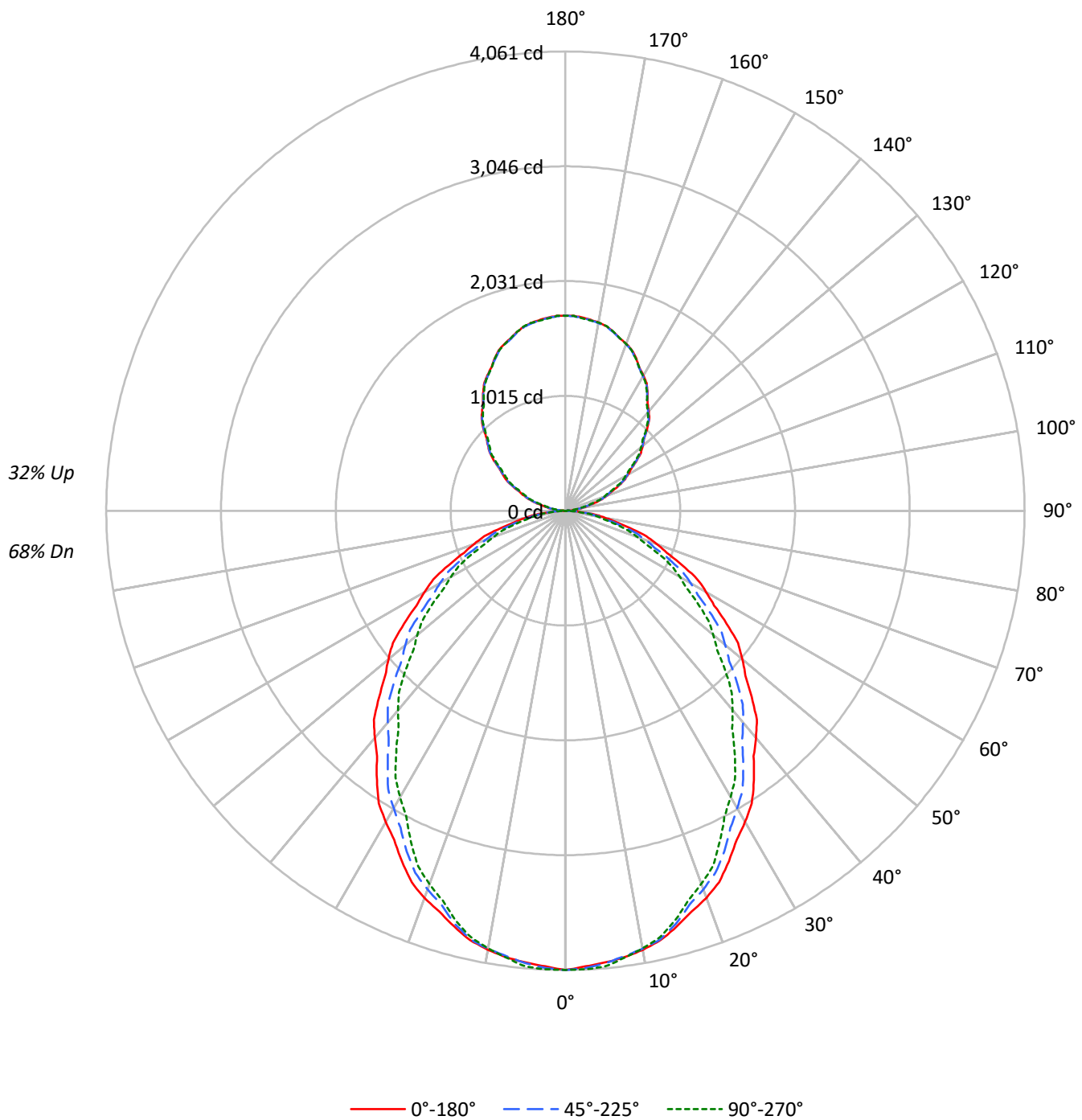
Input Watts (W): 126.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35368	35368	35368
5°	35067	35122	35366
10°	34868	34786	34758
15°	34316	34092	33811
20°	33776	33026	32565
25°	32868	31942	31046
30°	31958	30551	29393
35°	30911	29126	27737
40°	29801	27787	26160
45°	28685	26387	24626
50°	27679	25025	23130
55°	26440	23607	21718
60°	25022	22261	20310
65°	23516	20761	18902
70°	21854	19082	17103
75°	19879	17265	15485
80°	17779	15126	14037
85°	13669	12430	10252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28685 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.9	2.8
10°-20°	1064.6	7.7
20°-30°	1530.7	11.0
30°-40°	1720.5	12.4
40°-50°	1662.0	12.0
50°-60°	1404.2	10.1
60°-70°	1008.6	7.3
70°-80°	551.3	4.0
80°-90°	146.5	1.1
90°-100°	66.6	0.5
100°-110°	274.6	2.0
110°-120°	498.6	3.6
120°-130°	678.4	4.9
130°-140°	783.2	5.6
140°-150°	789.2	5.7
150°-160°	681.1	4.9
160°-170°	461.6	3.3
170°-180°	162.8	1.2
0°-30°	2977.2	21.5
0°-40°	4697.7	33.9
0°-60°	7763.9	56.0
0°-90°	9470.3	68.3
90°-120°	839.8	6.1
90°-150°	3090.7	22.3
90°-180°	4396.0	31.7
0°-180°	13866.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4061	4061	4061	4061	4061	
5°	4011	4066	4018	4018	4046	381
15°	3806	3840	3781	3744	3750	1073
25°	3421	3424	3324	3249	3231	1575
35°	2908	2874	2740	2633	2609	1816
45°	2329	2280	2142	2030	2000	1799
55°	1741	1678	1555	1458	1430	1557
65°	1141	1099	1008	936	917	1132
75°	591	554	513	472	460	632
85°	137	128	124	109	103	163
90°	0	0	1	0	1	8
95°	64	57	54	42	42	75
105°	272	268	261	246	243	288
115°	516	515	506	491	489	510
125°	768	776	760	744	745	686
135°	1023	1035	1018	999	1006	788
145°	1268	1282	1263	1248	1257	792
155°	1483	1498	1476	1467	1479	682
165°	1639	1656	1635	1626	1640	462
175°	1717	1736	1713	1702	1706	163
180°	1724	1724	1724	1724	1724	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4061.2	4061.2	4061.2	4061.2	4061.2
2.5°	4033.8	4082.4	4046.2	4051.4	4058.7
5°	4011.4	4066.1	4017.6	4018.3	4045.6
7.5°	3982.8	4034.5	3973.5	3962.2	3987.8
10°	3943.0	3994.7	3933.7	3912.3	3930.6
12.5°	3890.8	3940.0	3881.4	3847.6	3863.4
15°	3806.2	3839.6	3781.3	3744.1	3750.2
17.5°	3714.1	3734.8	3650.7	3619.5	3613.4
20°	3644.5	3662.7	3563.6	3520.0	3513.9
22.5°	3554.9	3570.7	3466.6	3412.9	3404.4
25°	3420.6	3423.6	3324.2	3249.1	3230.9
27.5°	3280.0	3270.3	3160.0	3071.1	3047.4
30°	3178.0	3165.9	3038.1	2944.3	2923.0
32.5°	3068.6	3046.7	2918.7	2817.5	2796.2
35°	2907.5	2874.0	2739.6	2633.3	2609.0
37.5°	2735.8	2698.1	2566.1	2450.4	2423.0
40°	2621.4	2578.8	2444.2	2328.5	2301.1
42.5°	2507.0	2459.5	2322.3	2206.5	2176.7
45°	2329.1	2280.5	2142.5	2029.9	1999.5
47.5°	2159.9	2097.9	1964.0	1852.0	1821.6
50°	2043.0	1976.1	1847.1	1737.6	1707.2
52.5°	1923.6	1854.3	1730.2	1625.6	1595.2
55°	1741.4	1677.5	1554.8	1457.8	1430.4
57.5°	1561.0	1499.6	1387.5	1294.9	1268.1
60°	1436.6	1385.0	1278.1	1190.4	1166.1
62.5°	1317.2	1270.4	1168.6	1088.4	1064.1
65°	1141.2	1098.7	1007.5	935.6	917.3
67.5°	970.2	927.6	853.9	789.4	768.7
70°	858.3	815.7	749.4	689.9	671.7
72.5°	751.3	706.3	652.4	598.0	584.6
75°	590.8	554.3	513.1	472.4	460.2
77.5°	449.0	413.8	383.7	355.0	352.0
80°	354.5	324.1	301.6	282.9	279.9
82.5°	264.9	241.8	227.0	213.3	212.7
85°	136.8	127.7	124.4	108.7	102.6
87.5°	39.8	39.8	35.1	29.9	30.1
90°	0.0	0.0	1.3	0.0	1.3
92.5°	16.1	14.0	13.2	8.6	10.0
95°	64.5	56.7	53.8	41.7	41.7
97.5°	121.8	113.9	109.7	97.3	94.7
100°	162.7	154.8	150.6	137.1	134.5
102.5°	204.7	201.0	193.6	179.0	176.4
105°	271.6	267.7	260.9	246.0	243.4
107.5°	340.5	341.2	331.0	318.9	315.2
110°	389.9	388.6	380.5	368.4	365.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	440.5	438.1	430.0	417.8	415.2
115°	516.3	515.0	505.6	490.8	489.4
117.5°	588.4	592.6	581.4	565.8	565.3
120°	640.0	645.3	632.0	618.5	615.8
122.5°	690.6	696.9	683.6	668.0	668.5
125°	767.8	775.7	759.7	743.6	744.9
127.5°	842.3	852.0	837.2	820.8	822.4
130°	892.8	904.7	888.8	871.4	874.0
132.5°	944.5	956.3	940.4	922.0	926.7
135°	1023.3	1035.1	1017.9	999.2	1005.8
137.5°	1097.5	1109.3	1090.5	1074.8	1082.7
140°	1147.0	1158.8	1138.9	1124.3	1132.2
142.5°	1195.4	1209.3	1188.4	1172.7	1182.7
145°	1268.0	1282.4	1262.6	1248.0	1257.2
147.5°	1336.8	1351.3	1331.2	1317.1	1326.6
150°	1380.9	1395.4	1374.2	1362.3	1372.9
152.5°	1421.8	1438.4	1416.2	1404.4	1418.0
155°	1483.1	1497.6	1476.4	1467.3	1479.1
157.5°	1536.4	1553.2	1532.1	1524.2	1533.7
160°	1571.9	1587.6	1566.5	1558.7	1569.2
162.5°	1598.8	1615.6	1595.5	1586.7	1599.3
165°	1639.1	1656.2	1635.1	1626.0	1640.4
167.5°	1670.8	1689.0	1667.6	1658.3	1673.0
170°	1690.2	1707.3	1684.8	1674.4	1690.2
172.5°	1703.1	1721.2	1697.7	1687.2	1697.7
175°	1717.1	1735.5	1713.1	1702.4	1706.3
177.5°	1723.8	1738.5	1720.6	1711.2	1723.8
180°	1723.8	1723.8	1723.8	1723.8	1723.8

(END OF REPORT)