

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1439036

Luminaire Tested: CB2-D-055U-120D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439036
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-055U-120D-930-1D-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

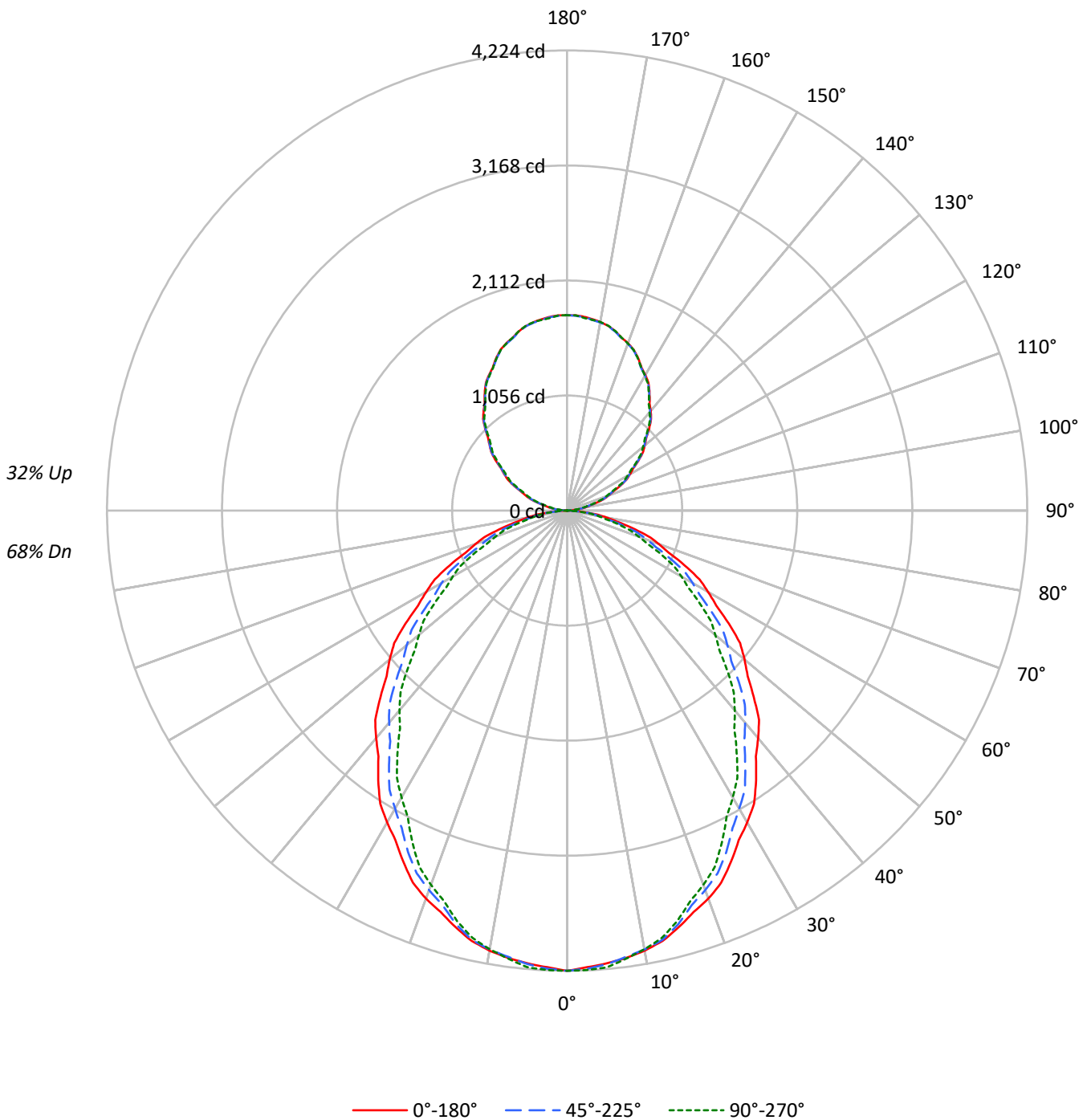
Lumens per Lamp: N/A
Luminaire Lumens: 14423.0 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 126.3
Input Voltage (V): 120
Input Current (A_{in}): 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

TEST NUMBER: P1439036

CATALOG NUMBER: CB2-D-055U-120D-930-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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°	36786	36786	36786
5°	36475	36532	36786
10°	36267	36181	36153
15°	35693	35459	35168
20°	35131	34351	33872
25°	34187	33224	32291
30°	33241	31777	30573
35°	32151	30294	28850
40°	30997	28901	27210
45°	29837	27446	25613
50°	28790	26029	24058
55°	27501	24554	22589
60°	26027	23153	21125
65°	24460	21594	19661
70°	22730	19848	17788
75°	20677	17958	16107
80°	18491	15732	14599
85°	14219	12930	10662

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29837 cd/sqm



TEST NUMBER: P1439036

CATALOG NUMBER: CB2-D-055U-120D-930-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.2	2.8
10°-20°	1107.3	7.7
20°-30°	1592.1	11.0
30°-40°	1789.5	12.4
40°-50°	1728.7	12.0
50°-60°	1460.6	10.1
60°-70°	1049.1	7.3
70°-80°	573.4	4.0
80°-90°	152.4	1.1
90°-100°	69.3	0.5
100°-110°	285.7	2.0
110°-120°	518.6	3.6
120°-130°	705.7	4.9
130°-140°	814.6	5.6
140°-150°	820.9	5.7
150°-160°	708.4	4.9
160°-170°	480.1	3.3
170°-180°	169.4	1.2
0°-30°	3096.7	21.5
0°-40°	4886.2	33.9
0°-60°	8075.4	56.0
0°-90°	9850.3	68.3
90°-120°	873.5	6.1
90°-150°	3214.7	22.3
90°-180°	4573.0	31.7
0°-180°	14423.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4224	4224	4224	4224	4224	
5°	4172	4229	4179	4180	4208	396
15°	3959	3994	3933	3894	3901	1116
25°	3558	3561	3458	3380	3360	1638
35°	3024	2989	2850	2739	2714	1889
45°	2423	2372	2228	2111	2080	1872
55°	1811	1745	1617	1516	1488	1619
65°	1187	1143	1048	973	954	1177
75°	614	577	534	491	479	657
85°	142	133	129	113	107	169
90°	0	0	1	0	1	8
95°	67	59	56	43	43	78
105°	282	278	271	256	253	300
115°	537	536	526	510	509	530
125°	799	807	790	773	775	713
135°	1064	1077	1059	1039	1046	820
145°	1319	1334	1313	1298	1308	824
155°	1543	1558	1536	1526	1538	709
165°	1705	1723	1701	1691	1706	480
175°	1786	1805	1782	1771	1775	169
180°	1793	1793	1793	1793	1793	

TEST NUMBER: P1439036

CATALOG NUMBER: CB2-D-055U-120D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4224.1	4224.1	4224.1	4224.1	4224.1
2.5°	4195.7	4246.3	4208.6	4214.0	4221.5
5°	4172.4	4229.3	4178.9	4179.5	4208.0
7.5°	4142.6	4196.4	4132.9	4121.2	4147.8
10°	4101.2	4155.0	4091.5	4069.3	4088.3
12.5°	4046.9	4098.1	4037.2	4002.0	4018.4
15°	3958.9	3993.7	3933.0	3894.4	3900.7
17.5°	3863.2	3884.7	3797.2	3764.7	3758.4
20°	3790.7	3809.7	3706.6	3661.2	3654.9
22.5°	3697.6	3714.0	3605.7	3549.9	3541.0
25°	3557.8	3561.0	3457.6	3379.5	3360.5
27.5°	3411.7	3401.5	3286.8	3194.4	3169.7
30°	3305.6	3292.9	3160.0	3062.5	3040.3
32.5°	3191.7	3168.9	3035.8	2930.5	2908.4
35°	3024.2	2989.4	2849.5	2739.0	2713.7
37.5°	2845.6	2806.4	2669.0	2548.7	2520.2
40°	2726.6	2682.3	2542.2	2421.9	2393.5
42.5°	2607.6	2558.2	2415.5	2295.1	2264.1
45°	2422.6	2372.0	2228.5	2111.3	2079.7
47.5°	2246.6	2182.1	2042.9	1926.3	1894.7
50°	2125.0	2055.4	1921.2	1807.3	1775.7
52.5°	2000.8	1928.7	1799.6	1690.9	1659.2
55°	1811.3	1744.9	1617.2	1516.3	1487.8
57.5°	1623.7	1559.8	1443.2	1346.8	1319.0
60°	1494.3	1440.5	1329.3	1238.2	1212.9
62.5°	1370.1	1321.4	1215.5	1132.1	1106.8
65°	1187.0	1142.8	1047.9	973.1	954.1
67.5°	1009.1	964.9	888.2	821.1	799.5
70°	892.7	848.4	779.5	717.6	698.6
72.5°	781.4	734.6	678.6	622.0	608.1
75°	614.5	576.6	533.7	491.3	478.7
77.5°	467.0	430.4	399.1	369.3	366.1
80°	368.7	337.1	313.7	294.3	291.1
82.5°	275.6	251.5	236.1	221.9	221.2
85°	142.3	132.8	129.4	113.1	106.7
87.5°	41.4	41.4	36.5	31.1	31.3
90°	0.0	0.0	1.4	0.0	1.4
92.5°	16.8	14.6	13.7	9.0	10.3
95°	67.1	58.9	55.9	43.4	43.4
97.5°	126.7	118.5	114.1	101.2	98.5
100°	169.2	161.0	156.6	142.6	139.9
102.5°	212.9	209.0	201.4	186.2	183.5
105°	282.5	278.4	271.3	255.9	253.1
107.5°	354.1	354.9	344.3	331.7	327.8
110°	405.6	404.2	395.8	383.1	380.4



TEST NUMBER: P1439036

CATALOG NUMBER: CB2-D-055U-120D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	458.2	455.7	447.3	434.6	431.9
115°	537.1	535.7	525.9	510.5	509.1
117.5°	612.0	616.4	604.7	588.5	588.0
120°	665.7	671.2	657.3	643.3	640.6
122.5°	718.3	724.9	711.0	694.8	695.4
125°	798.6	806.8	790.2	773.4	774.8
127.5°	876.1	886.2	870.8	853.7	855.4
130°	928.7	941.0	924.5	906.3	909.1
132.5°	982.4	994.7	978.2	959.0	963.9
135°	1064.3	1076.6	1058.7	1039.3	1046.1
137.5°	1141.5	1153.8	1134.3	1117.9	1126.1
140°	1193.0	1205.3	1184.6	1169.4	1177.6
142.5°	1243.3	1257.8	1236.1	1219.8	1230.2
145°	1318.9	1333.9	1313.3	1298.1	1307.7
147.5°	1390.5	1405.5	1384.6	1370.0	1379.8
150°	1436.3	1451.4	1429.4	1417.0	1428.0
152.5°	1478.9	1496.1	1473.0	1460.7	1474.9
155°	1542.6	1557.7	1535.6	1526.1	1538.4
157.5°	1598.0	1615.5	1593.5	1585.4	1595.2
160°	1634.9	1651.4	1629.3	1621.2	1632.1
162.5°	1662.9	1680.4	1659.6	1650.3	1663.5
165°	1704.9	1722.6	1700.7	1691.2	1706.3
167.5°	1737.9	1756.8	1734.5	1724.8	1740.1
170°	1758.0	1775.8	1752.4	1741.6	1758.0
172.5°	1771.4	1790.3	1765.9	1754.9	1765.9
175°	1786.0	1805.1	1781.8	1770.7	1774.8
177.5°	1793.0	1808.3	1789.6	1779.9	1793.0
180°	1793.0	1793.0	1793.0	1793.0	1793.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	21.07	22.11	21.86	22.91	23.90	19.97	21.01	20.76	21.81	22.80
	3H	22.73	23.66	23.53	24.47	25.49	21.51	22.44	22.31	23.26	24.27
	4H	23.37	24.24	24.18	25.07	26.09	22.09	22.97	22.91	23.79	24.82
	6H	23.78	24.59	24.60	25.42	26.46	22.47	23.28	23.30	24.11	25.15
	8H	23.93	24.70	24.77	25.55	26.59	22.62	23.39	23.46	24.24	25.28
	12H	24.01	24.74	24.85	25.59	26.65	22.69	23.42	23.53	24.27	25.33
4H	2H	21.50	22.38	22.32	23.20	24.23	20.63	21.50	21.45	22.33	23.35
	3H	23.39	24.12	24.22	24.97	26.02	22.38	23.11	23.21	23.97	25.01
	4H	24.14	24.80	24.98	25.66	26.73	23.06	23.72	23.90	24.58	25.65
	6H	24.67	25.24	25.53	26.12	27.20	23.54	24.12	24.40	25.00	26.07
	8H	24.88	25.41	25.74	26.29	27.37	23.74	24.27	24.60	25.15	26.23
	12H	24.99	25.47	25.88	26.37	27.46	23.83	24.32	24.72	25.21	26.30
8H	4H	24.31	24.85	25.17	25.72	26.81	23.34	23.88	24.21	24.76	25.84
	6H	24.96	25.40	25.85	26.32	27.40	23.96	24.40	24.85	25.32	26.40
	8H	25.25	25.64	26.15	26.55	27.66	24.23	24.63	25.13	25.54	26.64
	12H	25.43	25.78	26.34	26.68	27.84	24.39	24.74	25.30	25.64	26.79
12H	4H	24.30	24.78	25.18	25.67	26.77	23.36	23.84	24.24	24.73	25.83
	6H	24.99	25.38	25.89	26.29	27.39	24.02	24.41	24.92	25.33	26.43
	8H	25.31	25.66	26.22	26.56	27.72	24.33	24.68	25.24	25.58	26.74