

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: P1439555

Luminaire Tested: CB3-D-055U-120D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439555
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-055U-120D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

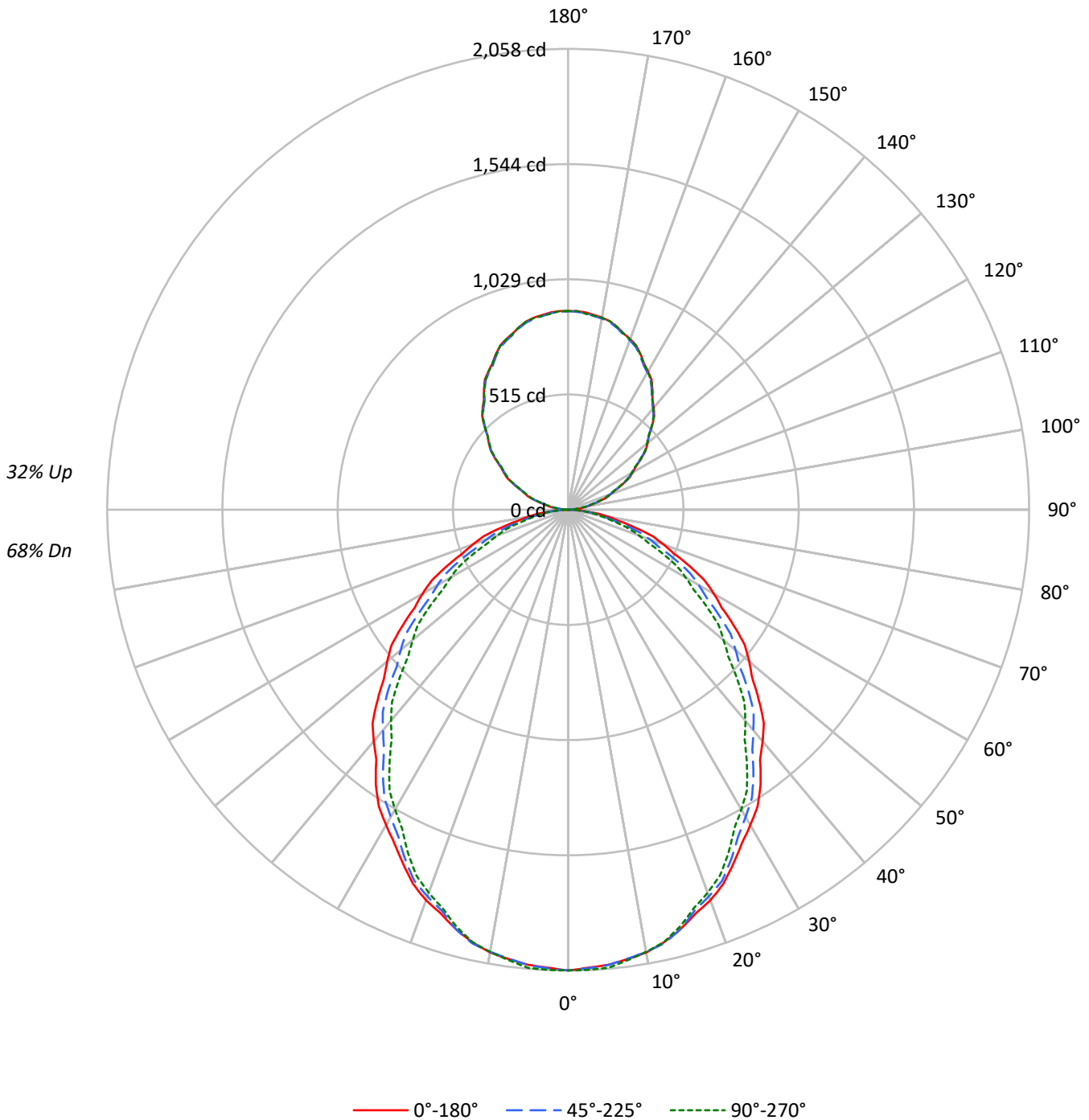
Lumens per Lamp: N/A
Luminaire Lumens: 7211.1 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 54.1
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	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	59	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	73	64	56	51	57	51	47	51	47	43	46	42	39	36
5	72	60	52	46	68	57	50	44	51	45	41	46	41	37	41	37	34	31
6	66	54	46	40	63	51	44	38	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	34	30	27	25
8	57	45	37	31	54	43	35	30	39	33	28	35	30	26	32	27	24	22
9	53	41	33	28	50	39	32	27	36	30	25	32	27	24	29	25	22	20
10	50	38	30	25	47	36	29	25	33	27	23	30	25	22	27	23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23282	23282	23282
5°	23171	23188	23329
10°	23070	23037	23037
15°	22716	22716	22581
20°	22349	22120	21918
25°	21778	21503	21121
30°	21244	20691	20194
35°	20684	19916	19210
40°	19938	18988	18169
45°	19262	18163	17041
50°	18567	17178	15944
55°	17811	16225	14899
60°	16992	15241	13720
65°	16037	14120	12476
70°	14933	12806	11115
75°	13539	11239	9897
80°	11807	9422	8757
85°	9100	7971	7971

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19262 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.1	2.7
10°-20°	545.4	7.6
20°-30°	792.3	11.0
30°-40°	900.7	12.5
40°-50°	874.3	12.1
50°-60°	738.2	10.2
60°-70°	525.2	7.3
70°-80°	280.6	3.9
80°-90°	74.1	1.0
90°-100°	37.5	0.5
100°-110°	146.6	2.0
110°-120°	261.4	3.6
120°-130°	353.7	4.9
130°-140°	406.6	5.6
140°-150°	408.0	5.7
150°-160°	350.9	4.9
160°-170°	237.5	3.3
170°-180°	83.8	1.2
0°-30°	1531.9	21.2
0°-40°	2432.5	33.7
0°-60°	4045.1	56.1
0°-90°	4925.1	68.3
90°-120°	445.5	6.2
90°-150°	1613.8	22.4
90°-180°	2286.0	31.7
0°-180°	7211.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2058	2058	2058	2058	2058	
5°	2040	2066	2042	2039	2054	194
15°	1939	1956	1939	1928	1928	546
25°	1744	1750	1722	1699	1692	804
35°	1498	1483	1442	1399	1391	933
45°	1204	1185	1135	1081	1065	929
55°	903	879	822	770	755	807
65°	599	578	527	480	466	593
75°	310	293	257	231	226	330
85°	70	64	61	61	61	83
90°	0	0	0	0	0	4
95°	36	33	29	27	28	41
105°	142	142	137	135	133	152
115°	267	268	262	261	260	264
125°	397	402	394	392	393	355
135°	529	534	526	522	527	408
145°	656	661	650	647	653	410
155°	765	772	759	756	764	352
165°	845	852	841	836	845	238
175°	885	893	881	875	879	84
180°	887	887	887	887	887	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2057.7	2057.7	2057.7	2057.7	2057.7
2.5°	2047.2	2067.7	2049.5	2051.9	2056.5
5°	2040.1	2065.9	2041.6	2039.0	2054.0
7.5°	2024.4	2047.8	2022.6	2016.8	2029.6
10°	2008.0	2033.7	2005.1	1997.9	2005.1
12.5°	1978.8	2005.6	1982.9	1971.0	1977.0
15°	1939.3	1956.5	1939.3	1927.7	1927.7
17.5°	1891.1	1909.1	1876.8	1868.6	1865.3
20°	1856.1	1871.8	1837.1	1825.3	1820.3
22.5°	1809.3	1823.9	1795.0	1774.5	1768.9
25°	1744.4	1750.1	1722.4	1698.9	1691.8
27.5°	1679.8	1681.2	1643.3	1614.7	1605.3
30°	1626.0	1627.5	1583.7	1552.8	1545.7
32.5°	1572.3	1568.0	1526.4	1489.8	1484.9
35°	1497.5	1483.2	1441.9	1399.4	1390.8
37.5°	1407.2	1398.6	1349.9	1307.2	1294.4
40°	1349.9	1335.6	1285.6	1243.0	1230.1
42.5°	1292.6	1276.1	1224.9	1177.5	1163.5
45°	1203.8	1185.2	1135.1	1080.7	1065.0
47.5°	1114.4	1094.1	1039.0	986.3	968.9
50°	1054.8	1033.4	975.9	924.4	905.8
52.5°	994.0	971.5	914.0	861.3	846.2
55°	902.9	878.6	822.5	769.6	755.3
57.5°	811.7	787.7	731.9	681.9	664.7
60°	750.9	728.1	673.5	623.4	606.3
62.5°	689.0	667.3	613.9	565.0	549.0
65°	599.0	577.6	527.4	480.3	466.0
67.5°	509.9	491.6	442.1	398.9	387.4
70°	451.4	434.3	387.1	347.4	336.0
72.5°	395.3	377.0	332.2	298.4	290.4
75°	309.7	292.6	257.1	230.7	226.4
77.5°	231.4	217.4	186.7	171.8	169.5
80°	181.2	168.3	144.6	134.4	134.4
82.5°	134.4	123.8	108.4	104.0	104.0
85°	70.1	64.4	61.4	61.4	61.4
87.5°	21.0	21.0	19.9	18.7	18.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.8	8.7	5.4	4.4	4.4
95°	36.0	32.7	29.2	27.2	27.9
97.5°	66.5	63.3	59.0	57.0	57.5
100°	87.7	85.1	80.3	78.2	78.2
102.5°	108.4	106.8	102.0	100.0	100.5
105°	142.1	141.5	136.7	134.6	133.3
107.5°	179.4	178.2	172.9	172.7	171.5
110°	203.4	202.7	197.9	197.2	196.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	227.8	228.8	223.5	222.8	222.1
115°	266.6	267.9	261.8	261.2	260.5
117.5°	306.3	308.2	301.7	301.0	299.8
120°	331.9	335.9	327.8	327.1	326.5
122.5°	358.0	361.5	353.9	352.7	352.6
125°	397.2	401.8	393.8	392.4	393.1
127.5°	436.4	441.2	433.6	431.0	432.4
130°	462.5	467.8	459.8	457.1	459.1
132.5°	489.1	494.5	486.4	483.8	486.8
135°	529.1	534.5	525.7	521.8	527.1
137.5°	568.2	572.8	563.3	560.5	566.1
140°	593.7	598.4	588.3	585.1	591.7
142.5°	618.8	624.0	612.8	609.6	616.7
145°	655.6	661.0	650.2	646.9	652.9
147.5°	691.0	696.5	685.6	681.8	687.9
150°	712.8	718.8	707.3	704.1	710.7
152.5°	734.0	740.5	728.5	724.8	733.0
155°	765.1	771.8	759.0	755.8	763.8
157.5°	793.2	799.3	787.7	784.5	791.4
160°	810.0	816.7	804.6	801.4	809.3
162.5°	824.7	831.4	820.4	816.1	824.0
165°	844.7	852.0	840.6	836.1	844.7
167.5°	861.4	869.3	857.2	853.1	861.7
170°	871.2	878.6	866.5	861.2	869.9
172.5°	877.8	885.1	873.0	867.7	873.7
175°	884.8	892.8	880.8	875.4	878.7
177.5°	888.0	894.4	884.7	880.0	887.4
180°	886.9	886.9	886.9	886.9	886.9



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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	19.63	20.67	20.41	21.47	22.46	18.55	19.59	19.33	20.39	21.38
	3H	21.31	22.24	22.11	23.05	24.07	19.98	20.91	20.77	21.72	22.74
	4H	21.95	22.82	22.76	23.65	24.67	20.50	21.38	21.32	22.20	23.23
	6H	22.34	23.15	23.17	23.98	25.02	20.83	21.64	21.66	22.47	23.51
	8H	22.48	23.25	23.32	24.10	25.14	20.96	21.73	21.79	22.58	23.62
	12H	22.56	23.29	23.40	24.13	25.20	21.04	21.77	21.88	22.62	23.68
4H	2H	20.06	20.94	20.88	21.76	22.78	19.20	20.08	20.02	20.90	21.93
	3H	21.96	22.69	22.79	23.55	24.59	20.83	21.56	21.66	22.42	23.46
	4H	22.72	23.38	23.56	24.24	25.31	21.45	22.11	22.29	22.97	24.04
	6H	23.23	23.81	24.09	24.68	25.76	21.87	22.44	22.73	23.32	24.40
	8H	23.43	23.96	24.29	24.84	25.92	22.04	22.58	22.91	23.45	24.54
	12H	23.53	24.01	24.42	24.91	26.00	22.16	22.64	23.04	23.53	24.63
8H	4H	22.86	23.40	23.73	24.27	25.36	21.72	22.26	22.59	23.13	24.22
	6H	23.49	23.93	24.38	24.85	25.93	22.26	22.70	23.15	23.62	24.70
	8H	23.76	24.16	24.67	25.07	26.17	22.51	22.91	23.41	23.82	24.92
	12H	23.94	24.28	24.84	25.19	26.34	22.70	23.04	23.60	23.94	25.10
12H	4H	22.84	23.33	23.73	24.22	25.31	21.73	22.22	22.62	23.11	24.20
	6H	23.51	23.90	24.41	24.81	25.91	22.32	22.71	23.22	23.62	24.72
	8H	23.81	24.16	24.72	25.06	26.22	22.61	22.95	23.51	23.86	25.01