

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: P1439211

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439211
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-055U-120D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

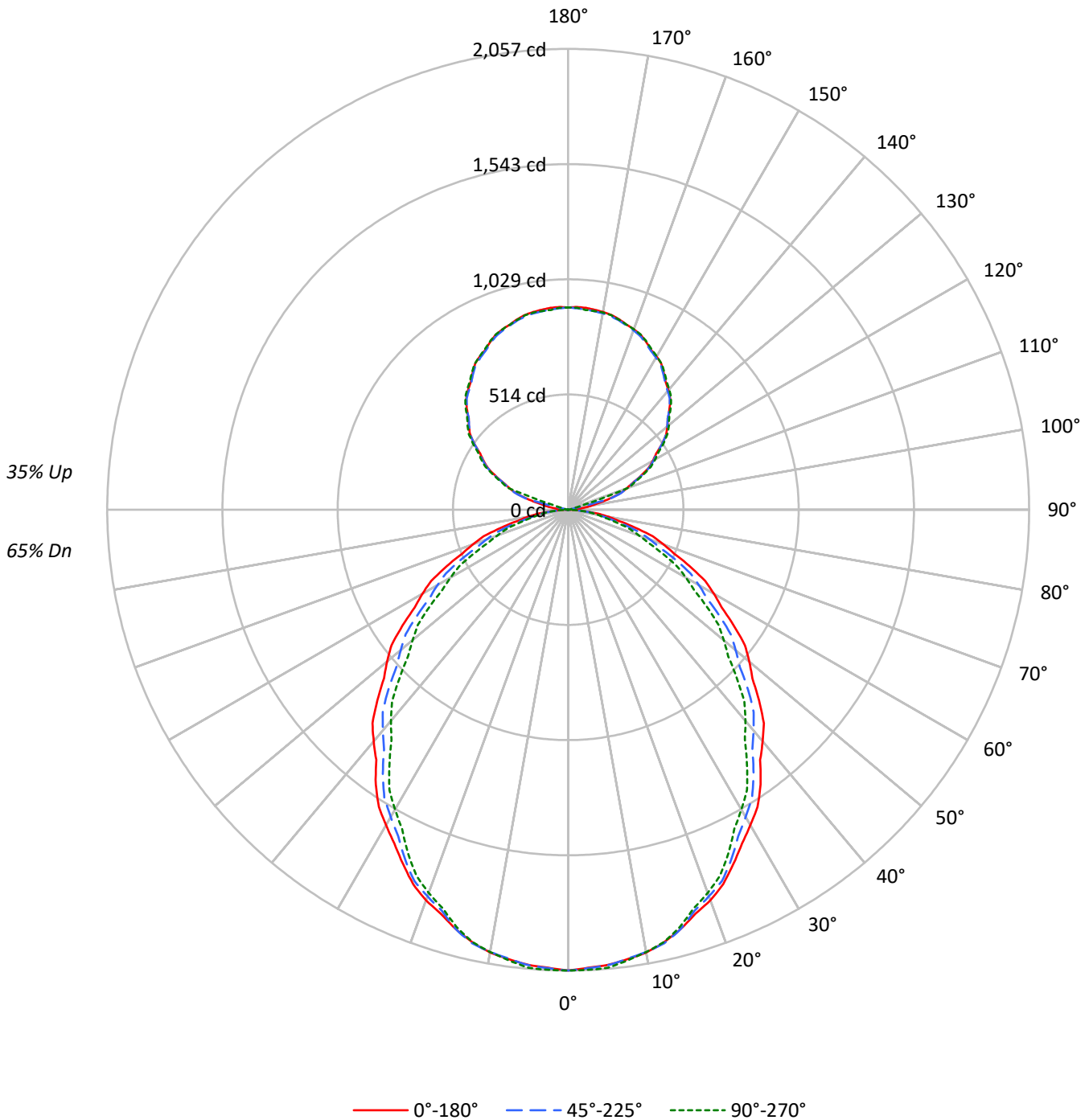
Lumens per Lamp: N/A
Luminaire Lumens: 7588.3 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 54.1
Input Voltage (V): 120
Input Current (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

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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	104	104	104	104	92	92	92	80	80	80	70	70	70	65
1	101	97	93	90	95	91	88	85	81	78	76	71	69	67	62	61	59	55
2	93	85	79	74	87	80	75	70	71	67	63	63	59	57	55	53	50	47
3	85	75	68	62	79	71	64	59	63	58	53	56	52	48	49	46	43	40
4	78	67	59	52	73	63	56	50	56	50	46	50	45	42	44	40	37	34
5	71	60	51	45	67	56	49	43	50	44	40	45	40	36	40	36	33	30
6	66	54	45	39	62	51	43	38	46	39	35	41	36	32	36	32	29	26
7	61	49	40	35	57	46	39	33	41	35	31	37	32	28	33	29	26	23
8	57	44	36	31	53	42	35	30	38	32	28	34	29	25	30	26	23	21
9	53	40	33	28	50	39	32	27	35	29	25	31	26	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	26	23	29	24	21	26	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23274	23274	23274
5°	23164	23180	23313
10°	23062	23029	23029
15°	22709	22709	22572
20°	22340	22112	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	2.6
10°-20°	545.3	7.2
20°-30°	792.2	10.4
30°-40°	900.7	11.9
40°-50°	874.3	11.5
50°-60°	738.2	9.7
60°-70°	525.2	6.9
70°-80°	280.6	3.7
80°-90°	74.2	1.0
90°-100°	20.8	0.3
100°-110°	150.9	2.0
110°-120°	358.9	4.7
120°-130°	458.5	6.0
130°-140°	494.5	6.5
140°-150°	466.2	6.1
150°-160°	380.3	5.0
160°-170°	247.8	3.3
170°-180°	85.7	1.1
0°-30°	1531.5	20.2
0°-40°	2432.2	32.1
0°-60°	4044.8	53.3
0°-90°	4924.8	64.9
90°-120°	530.6	7.0
90°-150°	1949.8	25.7
90°-180°	2664.0	35.1
0°-180°	7588.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2057	2057	2057	2057	2057	
5°	2040	2065	2041	2038	2053	194
15°	1939	1956	1939	1927	1927	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	1	0	4
95°	38	7	9	10	10	47
105°	191	194	197	14	15	202
115°	358	361	362	367	369	354
125°	509	513	512	517	520	455
135°	640	643	638	643	647	493
145°	745	749	740	745	749	466
155°	825	832	820	822	828	380
165°	879	884	875	872	878	248
175°	905	909	897	892	895	86
180°	902	902	902	902	902	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2057.0	2057.0	2057.0	2057.0	2057.0
2.5°	2046.5	2067.1	2048.8	2051.3	2055.8
5°	2039.5	2065.2	2040.9	2038.3	2052.6
7.5°	2023.7	2047.1	2021.9	2016.1	2029.0
10°	2007.3	2033.0	2004.4	1997.3	2004.4
12.5°	1978.1	2005.0	1982.2	1970.4	1976.4
15°	1938.7	1955.8	1938.7	1927.0	1927.0
17.5°	1890.5	1908.5	1876.1	1867.9	1864.7
20°	1855.4	1871.1	1836.4	1824.6	1820.3
22.5°	1808.6	1823.2	1794.3	1774.3	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	18.8	18.7
90°	0.0	0.0	0.0	0.7	0.0
92.5°	10.3	4.0	3.3	3.9	3.8
95°	38.1	6.8	8.8	9.5	9.5
97.5°	76.7	75.3	10.3	12.4	12.5
100°	106.1	109.4	10.9	12.9	13.6
102.5°	138.7	141.5	20.1	13.5	14.1
105°	191.1	193.8	196.6	14.3	15.0
107.5°	243.2	245.2	247.0	222.4	83.2
110°	277.5	279.5	280.2	287.0	288.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	309.6	312.1	313.4	319.2	321.6
115°	358.4	361.1	361.8	367.3	369.3
117.5°	404.8	407.6	408.9	413.3	416.5
120°	435.3	438.6	439.4	444.9	447.5
122.5°	465.2	469.1	468.7	473.7	477.4
125°	509.4	512.7	511.5	517.0	520.3
127.5°	551.4	553.4	550.6	557.4	560.2
130°	578.1	580.1	576.7	582.9	586.3
132.5°	602.6	605.6	601.8	607.4	610.8
135°	640.0	643.3	638.0	642.8	646.8
137.5°	673.3	677.3	670.9	676.5	680.0
140°	695.1	699.1	691.0	697.2	701.2
142.5°	715.2	720.3	710.6	716.3	720.8
145°	744.7	749.4	740.0	744.8	748.8
147.5°	772.8	776.7	767.7	771.2	774.0
150°	789.6	793.6	783.5	787.0	790.3
152.5°	803.2	808.8	798.7	801.2	806.1
155°	825.0	831.6	820.2	822.4	827.7
157.5°	845.0	851.0	839.5	841.4	846.1
160°	857.0	862.9	851.5	852.3	857.0
162.5°	866.2	871.7	861.9	860.5	866.2
165°	879.4	884.1	874.6	872.1	878.0
167.5°	890.4	895.7	884.2	882.0	888.8
170°	896.4	901.7	889.6	886.4	893.7
172.5°	900.2	905.0	893.4	889.1	894.8
175°	904.6	909.2	897.1	892.4	895.0
177.5°	905.8	909.5	899.8	895.6	902.0
180°	902.5	902.5	902.5	902.5	902.5



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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	19.36	20.36	20.18	21.20	22.24	18.28	19.28	19.10	20.12	21.16
	3H	21.04	21.93	21.87	22.78	23.85	19.71	20.60	20.54	21.45	22.52
	4H	21.67	22.52	22.52	23.38	24.46	20.23	21.07	21.08	21.93	23.01
	6H	22.07	22.85	22.93	23.71	24.80	20.55	21.33	21.42	22.20	23.29
	8H	22.21	22.95	23.08	23.83	24.93	20.68	21.42	21.55	22.31	23.40
	12H	22.28	22.99	23.16	23.86	24.98	20.76	21.47	21.64	22.34	23.46
4H	2H	19.78	20.63	20.64	21.49	22.57	18.93	19.77	19.78	20.63	21.71
	3H	21.69	22.39	22.55	23.28	24.38	20.56	21.26	21.42	22.15	23.25
	4H	22.44	23.08	23.32	23.97	25.09	21.17	21.81	22.05	22.70	23.82
	6H	22.95	23.50	23.84	24.42	25.54	21.59	22.14	22.48	23.05	24.18
	8H	23.15	23.66	24.04	24.57	25.71	21.76	22.28	22.66	23.19	24.32
	12H	23.25	23.71	24.17	24.64	25.78	21.87	22.34	22.79	23.27	24.41
8H	4H	22.58	23.10	23.48	24.00	25.14	21.44	21.96	22.34	22.86	24.00
	6H	23.21	23.63	24.13	24.58	25.72	21.98	22.40	22.90	23.35	24.49
	8H	23.48	23.86	24.42	24.80	25.96	22.23	22.61	23.16	23.55	24.70
	12H	23.65	23.99	24.59	24.92	26.13	22.41	22.75	23.35	23.68	24.88
12H	4H	22.56	23.03	23.48	23.95	25.10	21.45	21.92	22.37	22.84	23.99
	6H	23.22	23.60	24.16	24.54	25.70	22.03	22.41	22.97	23.35	24.51
	8H	23.53	23.86	24.47	24.79	26.00	22.32	22.66	23.26	23.59	24.79