

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: P1438600

Luminaire Tested: CB2-030U-055D-830-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438600  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-030U-055D-830-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

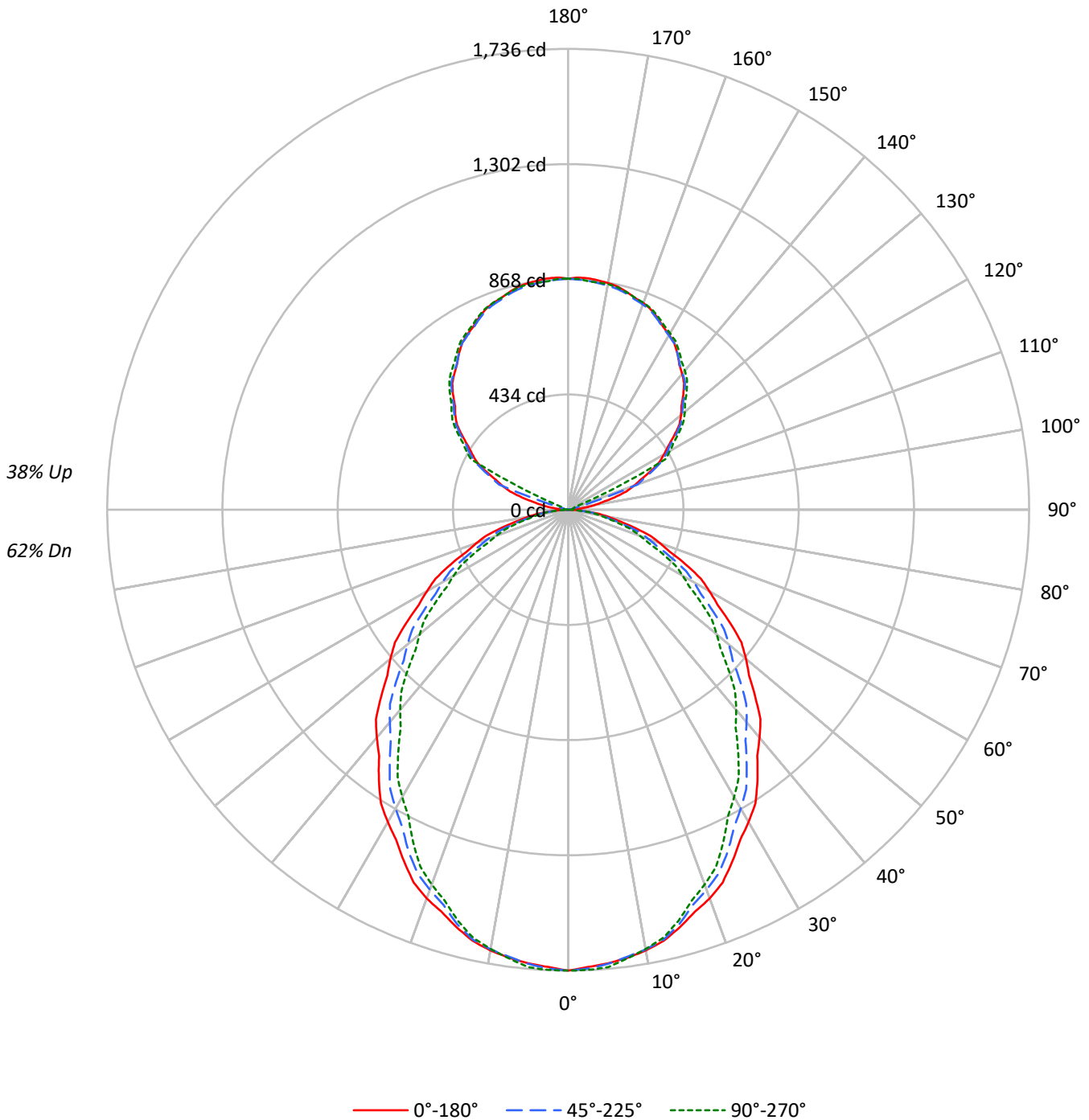
Lumens per Lamp: N/A  
Luminaire Lumens: 6530.3 lumens  
Efficiency: N/A  
Efficacy: 118.9 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 54.9  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	96	92	89	94	90	87	84	79	77	74	69	67	66	60	58	57	53
2	92	84	78	73	86	79	74	69	70	66	62	61	58	55	53	51	48	44
3	84	74	67	61	78	70	64	58	62	57	52	54	50	47	47	44	42	38
4	77	66	58	52	72	62	55	50	55	49	45	48	44	40	42	39	36	33
5	71	59	51	45	66	56	48	43	49	44	39	44	39	35	38	34	32	29
6	65	53	45	39	61	50	43	37	45	39	34	40	35	31	35	31	28	25
7	61	48	40	35	57	46	38	33	41	35	30	36	31	28	32	28	25	22
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	25	22	20
9	53	40	33	28	49	38	31	26	34	28	24	31	26	22	27	23	20	18
10	49	37	30	25	46	35	28	24	32	26	22	28	24	20	25	21	19	17

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	15120	15120	15120
5°	14992	15015	15120
10°	14907	14871	14860
15°	14671	14575	14455
20°	14440	14119	13923
25°	14052	13656	13273
30°	13663	13062	12567
35°	13215	12451	11858
40°	12741	11879	11184
45°	12263	11281	10528
50°	11833	10699	9889
55°	11304	10092	9284
60°	10698	9517	8683
65°	10054	8875	8082
70°	9342	8158	7313
75°	8499	7382	6622
80°	7603	6470	5998
85°	5845	5316	4387

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12263 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.3	2.5
10°-20°	455.1	7.0
20°-30°	654.4	10.0
30°-40°	735.5	11.3
40°-50°	710.5	10.9
50°-60°	600.3	9.2
60°-70°	431.2	6.6
70°-80°	235.7	3.6
80°-90°	62.6	1.0
90°-100°	15.2	0.2
100°-110°	96.5	1.5
110°-120°	306.7	4.7
120°-130°	445.1	6.8
130°-140°	478.7	7.3
140°-150°	450.7	6.9
150°-160°	367.1	5.6
160°-170°	239.0	3.7
170°-180°	82.6	1.3
0°-30°	1272.8	19.5
0°-40°	2008.4	30.8
0°-60°	3319.2	50.8
0°-90°	4048.8	62.0
90°-120°	418.4	6.4
90°-150°	1792.8	27.5
90°-180°	2482.0	38.0
0°-180°	6530.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1736	1736	1736	1736	1736	
5°	1715	1738	1718	1718	1730	163
15°	1627	1642	1617	1601	1603	459
25°	1462	1464	1421	1389	1381	673
35°	1243	1229	1171	1126	1115	776
45°	996	975	916	868	855	769
55°	744	717	665	623	612	666
65°	488	470	431	400	392	484
75°	253	237	219	202	197	270
85°	58	55	53	46	44	70
90°	0	0	0	1	1	4
95°	35	10	11	7	6	44
105°	181	188	19	22	23	191
115°	343	350	354	358	205	337
125°	487	496	496	504	511	435
135°	613	620	619	623	631	473
145°	717	723	718	719	728	448
155°	797	802	793	791	802	367
165°	850	852	843	840	848	240
175°	875	877	865	860	864	83
180°	870	870	870	870	870	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1736.2	1736.2	1736.2	1736.2	1736.2
2.5°	1724.5	1745.3	1729.9	1732.1	1735.2
5°	1715.0	1738.4	1717.6	1717.9	1729.6
7.5°	1702.7	1724.8	1698.7	1693.9	1704.9
10°	1685.7	1707.8	1681.7	1672.6	1680.4
12.5°	1663.4	1684.4	1659.4	1644.9	1651.7
15°	1627.2	1641.5	1616.6	1600.7	1603.3
17.5°	1587.9	1596.7	1560.8	1547.4	1544.8
20°	1558.1	1565.9	1523.5	1504.9	1502.3
22.5°	1519.8	1526.6	1482.1	1459.1	1455.5
25°	1462.4	1463.7	1421.2	1389.1	1381.3
27.5°	1402.3	1398.1	1351.0	1313.0	1302.8
30°	1358.7	1353.5	1298.9	1258.8	1249.7
32.5°	1311.9	1302.5	1247.8	1204.5	1195.4
35°	1243.0	1228.7	1171.2	1125.8	1115.4
37.5°	1169.6	1153.5	1097.0	1047.6	1035.9
40°	1120.7	1102.5	1044.9	995.5	983.8
42.5°	1071.8	1051.5	992.8	943.3	930.6
45°	995.7	974.9	916.0	867.8	854.8
47.5°	923.4	896.9	839.7	791.8	778.8
50°	873.4	844.8	789.7	742.9	729.9
52.5°	822.4	792.7	739.7	695.0	682.0
55°	744.5	717.2	664.7	623.2	611.5
57.5°	667.4	641.1	593.2	553.6	542.1
60°	614.2	592.1	546.4	508.9	498.5
62.5°	563.1	543.1	499.6	465.3	454.9
65°	487.9	469.7	430.7	400.0	392.2
67.5°	414.8	396.6	365.1	337.5	328.6
70°	366.9	348.7	320.4	295.0	287.2
72.5°	321.2	302.0	278.9	255.7	249.9
75°	252.6	237.0	219.4	202.0	196.8
77.5°	192.0	176.9	164.1	151.8	150.5
80°	151.6	138.6	129.0	120.9	119.6
82.5°	113.3	103.4	97.0	91.2	90.9
85°	58.5	54.6	53.2	46.5	43.9
87.5°	17.0	17.0	14.9	12.9	12.9
90°	0.0	0.0	0.0	0.6	0.6
92.5°	9.6	3.7	2.5	3.6	3.6
95°	34.6	10.0	10.7	6.9	6.3
97.5°	71.9	16.1	15.5	17.0	17.6
100°	100.1	33.0	17.0	19.5	20.1
102.5°	131.3	124.3	17.5	21.0	22.2
105°	181.2	188.0	18.9	22.1	23.3
107.5°	230.3	237.1	87.8	22.8	24.0
110°	263.0	269.8	278.1	23.3	24.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	293.8	302.0	308.4	51.9	25.5
115°	343.0	350.3	353.7	357.7	205.1
117.5°	386.4	395.5	399.2	406.3	413.2
120°	416.6	425.2	427.9	435.0	442.4
122.5°	446.3	453.9	455.6	463.7	470.6
125°	487.1	495.7	495.9	504.2	511.0
127.5°	527.9	535.2	534.9	541.1	548.6
130°	555.0	560.0	560.1	565.3	573.3
132.5°	577.7	584.6	584.7	588.9	596.9
135°	612.9	620.3	619.2	623.2	631.2
137.5°	646.0	653.2	651.2	654.5	662.8
140°	667.7	673.8	670.8	674.2	683.4
142.5°	687.8	694.0	689.5	692.3	702.0
145°	717.4	722.9	718.0	718.9	728.1
147.5°	743.7	749.1	743.2	744.0	752.6
150°	760.8	765.7	758.3	759.1	767.7
152.5°	775.9	780.3	772.4	772.2	782.3
155°	796.7	801.6	792.9	791.3	802.3
157.5°	815.6	820.1	811.4	810.2	818.8
160°	828.1	831.2	822.5	820.8	829.4
162.5°	836.7	840.3	831.5	828.8	837.5
165°	849.5	852.0	843.3	839.7	848.3
167.5°	860.6	863.5	852.2	849.0	858.2
170°	867.2	869.0	857.7	853.5	862.8
172.5°	871.2	872.5	861.2	856.5	862.8
175°	874.7	876.6	865.3	859.7	864.0
177.5°	875.3	876.3	867.8	862.9	870.3
180°	870.3	870.3	870.3	870.3	870.3



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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	17.48	18.44	18.33	19.31	20.40	16.38	17.35	17.23	18.22	19.31
	3H	19.13	20.00	19.99	20.88	21.99	17.92	18.78	18.78	19.66	20.78
	4H	19.77	20.58	20.64	21.47	22.60	18.49	19.31	19.37	20.20	21.32
	6H	20.17	20.93	21.06	21.82	22.96	18.87	19.62	19.76	20.52	21.66
	8H	20.33	21.04	21.22	21.95	23.09	19.01	19.73	19.91	20.64	21.78
	12H	20.40	21.09	21.31	21.99	23.16	19.08	19.76	19.98	20.67	21.83
4H	2H	17.90	18.72	18.78	19.60	20.73	17.03	17.84	17.91	18.73	19.86
	3H	19.78	20.46	20.67	21.38	22.52	18.77	19.45	19.67	20.37	21.51
	4H	20.53	21.15	21.44	22.06	23.23	19.45	20.07	20.36	20.98	22.15
	6H	21.06	21.59	21.98	22.53	23.70	19.93	20.47	20.85	21.40	22.57
	8H	21.26	21.76	22.19	22.70	23.88	20.12	20.62	21.05	21.55	22.74
	12H	21.37	21.83	22.32	22.78	23.96	20.22	20.67	21.16	21.62	22.80
8H	4H	20.70	21.20	21.62	22.13	23.31	19.73	20.23	20.65	21.16	22.35
	6H	21.34	21.76	22.29	22.73	23.91	20.34	20.75	21.29	21.73	22.91
	8H	21.63	22.00	22.59	22.96	24.16	20.62	20.98	21.57	21.95	23.15
	12H	21.81	22.13	22.77	23.09	24.34	20.77	21.09	21.73	22.05	23.30
12H	4H	20.68	21.13	21.62	22.08	23.27	19.74	20.19	20.68	21.14	22.33
	6H	21.37	21.74	22.33	22.70	23.90	20.40	20.77	21.36	21.73	22.93
	8H	21.69	22.02	22.65	22.97	24.22	20.71	21.04	21.68	21.99	23.24