

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: P1439506

Luminaire Tested: CB3-D-030U-055D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439506  
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-030U-055D-927-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

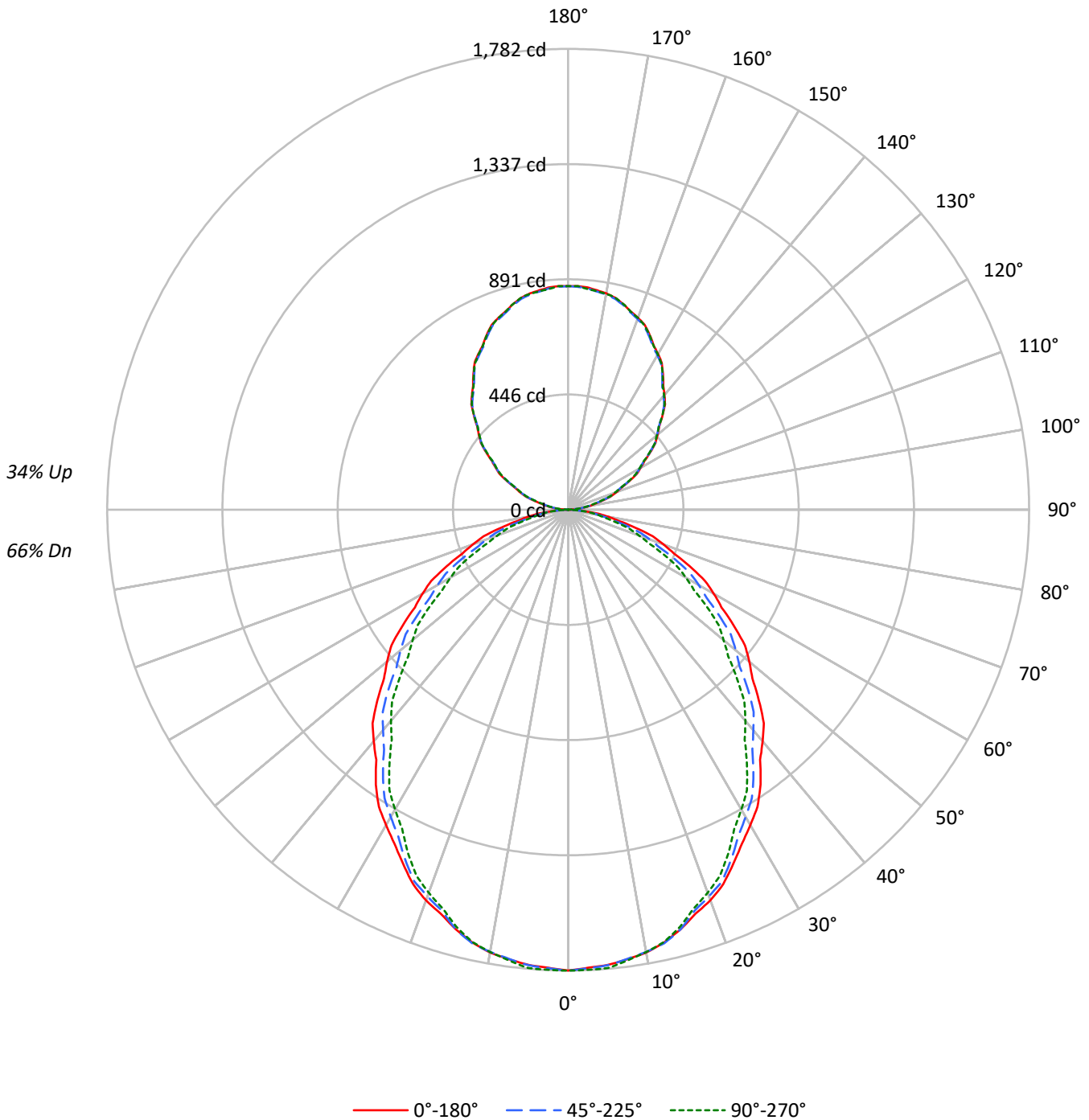
Lumens per Lamp: N/A  
Luminaire Lumens: 6493.9 lumens  
Efficiency: N/A  
Efficacy: 128.3 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 50.6  
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	104	104	104	104	92	92	92	81	81	81	71	71	71	66
1	102	97	93	90	95	92	88	85	81	79	76	72	70	68	63	61	60	56
2	93	85	79	74	87	80	75	70	71	67	64	63	60	57	56	53	51	47
3	85	75	68	62	79	71	64	59	63	58	54	56	52	49	49	46	44	40
4	78	67	59	53	73	63	56	50	56	51	46	50	46	42	44	41	38	35
5	71	60	51	45	67	57	49	44	51	45	40	45	40	36	40	36	33	30
6	66	54	45	40	62	51	43	38	46	40	35	41	36	32	36	32	29	27
7	61	49	41	35	57	46	39	34	42	36	31	37	32	29	33	29	26	24
8	57	44	36	31	53	42	35	30	38	32	28	34	29	26	31	27	24	21
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	18

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

	0°	45°	90°
0°	10082	10082	10082
5°	10035	10041	10103
10°	9990	9976	9976
15°	9838	9838	9779
20°	9678	9579	9491
25°	9430	9312	9146
30°	9199	8960	8745
35°	8957	8625	8319
40°	8634	8223	7868
45°	8341	7865	7380
50°	8040	7439	6905
55°	7712	7026	6452
60°	7358	6600	5941
65°	6945	6115	5403
70°	6467	5546	4813
75°	5862	4868	4286
80°	5112	4082	3792
85°	3940	3447	3447

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8341 cd/sqm



TEST NUMBER: P1439506

CATALOG NUMBER: CB3-D-030U-055D-927-1D-UNV-STD-W-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.2	2.6
10°-20°	472.4	7.3
20°-30°	686.2	10.6
30°-40°	780.0	12.0
40°-50°	757.3	11.7
50°-60°	639.3	9.8
60°-70°	454.9	7.0
70°-80°	243.0	3.7
80°-90°	64.2	1.0
90°-100°	36.5	0.6
100°-110°	142.9	2.2
110°-120°	254.8	3.9
120°-130°	344.8	5.3
130°-140°	396.4	6.1
140°-150°	397.7	6.1
150°-160°	342.1	5.3
160°-170°	231.5	3.6
170°-180°	81.7	1.3
0°-30°	1326.7	20.4
0°-40°	2106.8	32.4
0°-60°	3503.4	53.9
0°-90°	4265.5	65.7
90°-120°	434.2	6.7
90°-150°	1573.1	24.2
90°-180°	2228.0	34.3
0°-180°	6493.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1782	1782	1782	1782	1782	
5°	1767	1789	1768	1766	1779	168
15°	1680	1694	1680	1670	1670	473
25°	1511	1516	1492	1471	1465	696
35°	1297	1284	1249	1212	1204	808
45°	1043	1026	983	936	922	804
55°	782	761	712	666	654	699
65°	519	500	457	416	404	514
75°	268	253	223	200	196	286
85°	61	56	53	53	53	72
90°	0	0	0	0	0	4
95°	35	32	28	26	27	40
105°	139	138	133	131	130	148
115°	260	261	255	255	254	258
125°	387	392	384	383	383	346
135°	516	521	512	509	514	398
145°	639	644	634	631	636	399
155°	746	752	740	737	744	343
165°	823	831	819	815	823	232
175°	862	870	859	853	857	82
180°	864	864	864	864	864	

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CATALOG NUMBER: CB3-D-030U-055D-927-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1782.2	1782.2	1782.2	1782.2	1782.2
2.5°	1773.1	1790.9	1775.1	1777.2	1781.2
5°	1767.0	1789.2	1768.2	1766.0	1779.0
7.5°	1753.3	1773.6	1751.8	1746.7	1757.9
10°	1739.1	1761.4	1736.6	1730.4	1736.6
12.5°	1713.8	1737.1	1717.4	1707.1	1712.3
15°	1679.7	1694.5	1679.7	1669.6	1669.6
17.5°	1637.9	1653.5	1625.5	1618.4	1615.5
20°	1607.6	1621.2	1591.1	1580.9	1576.5
22.5°	1567.1	1579.7	1554.7	1536.8	1532.0
25°	1510.7	1515.7	1491.8	1471.4	1465.2
27.5°	1454.8	1456.0	1423.2	1398.4	1390.3
30°	1408.2	1409.5	1371.6	1344.8	1338.7
32.5°	1361.7	1358.0	1322.0	1290.2	1286.0
35°	1296.9	1284.5	1248.8	1212.0	1204.5
37.5°	1218.7	1211.3	1169.1	1132.2	1121.0
40°	1169.1	1156.7	1113.4	1076.5	1065.4
42.5°	1119.5	1105.2	1060.8	1019.8	1007.7
45°	1042.6	1026.5	983.1	936.0	922.4
47.5°	965.1	947.6	899.9	854.2	839.1
50°	913.5	895.0	845.2	800.6	784.5
52.5°	860.9	841.3	791.6	746.0	732.8
55°	781.9	760.9	712.3	666.5	654.1
57.5°	703.0	682.2	633.9	590.5	575.7
60°	650.3	630.6	583.3	539.9	525.1
62.5°	596.7	577.9	531.7	489.3	475.5
65°	518.8	500.2	456.8	416.0	403.6
67.5°	441.6	425.7	382.9	345.4	335.5
70°	391.0	376.1	335.3	300.9	291.0
72.5°	342.4	326.5	287.7	258.5	251.5
75°	268.2	253.4	222.7	199.8	196.1
77.5°	200.4	188.3	161.7	148.8	146.8
80°	156.9	145.8	125.3	116.4	116.4
82.5°	116.4	107.2	93.9	90.1	90.1
85°	60.7	55.8	53.1	53.1	53.1
87.5°	18.2	18.2	17.2	16.2	16.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.5	8.5	5.3	4.2	4.2
95°	35.1	31.9	28.5	26.5	27.2
97.5°	64.8	61.7	57.5	55.6	56.1
100°	85.5	82.9	78.2	76.2	76.2
102.5°	105.7	104.1	99.4	97.5	98.0
105°	138.6	137.9	133.3	131.2	129.9
107.5°	174.9	173.7	168.5	168.4	167.2
110°	198.2	197.6	192.9	192.3	191.6



TEST NUMBER: P1439506

CATALOG NUMBER: CB3-D-030U-055D-927-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	222.1	223.0	217.9	217.2	216.5
115°	259.9	261.2	255.2	254.6	253.9
117.5°	298.6	300.4	294.1	293.4	292.2
120°	323.5	327.4	319.6	318.9	318.2
122.5°	349.0	352.4	345.0	343.8	343.7
125°	387.2	391.7	383.9	382.6	383.2
127.5°	425.4	430.0	422.7	420.1	421.5
130°	450.8	456.0	448.2	445.6	447.5
132.5°	476.8	482.0	474.2	471.6	474.6
135°	515.8	521.0	512.5	508.6	513.8
137.5°	553.9	558.4	549.1	546.4	551.9
140°	578.8	583.3	573.5	570.3	576.8
142.5°	603.2	608.2	597.3	594.2	601.2
145°	639.1	644.3	633.8	630.6	636.5
147.5°	673.6	678.9	668.3	664.6	670.5
150°	694.8	700.6	689.5	686.3	692.8
152.5°	715.5	721.8	710.2	706.5	714.6
155°	745.9	752.3	739.9	736.7	744.5
157.5°	773.2	779.1	767.9	764.7	771.4
160°	789.6	796.1	784.3	781.2	788.9
162.5°	803.9	810.4	799.7	795.5	803.3
165°	823.4	830.6	819.4	815.0	823.4
167.5°	839.7	847.4	835.6	831.6	840.0
170°	849.3	856.4	844.6	839.5	848.0
172.5°	855.6	862.8	851.0	845.8	851.7
175°	862.5	870.3	858.6	853.3	856.6
177.5°	865.6	871.8	862.4	857.8	865.1
180°	864.5	864.5	864.5	864.5	864.5



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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	16.51	17.52	17.33	18.35	19.38	15.44	16.44	16.25	17.28	18.31
	3H	18.19	19.10	19.02	19.94	21.00	16.86	17.76	17.69	18.61	19.66
	4H	18.83	19.68	19.67	20.53	21.60	17.38	18.24	18.23	19.09	20.16
	6H	19.22	20.01	20.08	20.87	21.95	17.71	18.50	18.56	19.35	20.44
	8H	19.36	20.11	20.23	20.99	22.07	17.84	18.59	18.70	19.46	20.54
	12H	19.44	20.15	20.30	21.02	22.13	17.92	18.63	18.79	19.50	20.61
4H	2H	16.94	17.79	17.79	18.64	19.71	16.08	16.93	16.93	17.78	18.85
	3H	18.84	19.55	19.70	20.44	21.52	17.71	18.42	18.57	19.31	20.39
	4H	19.60	20.24	20.47	21.12	22.24	18.33	18.97	19.20	19.85	20.96
	6H	20.11	20.67	20.99	21.57	22.68	18.75	19.30	19.63	20.21	21.32
	8H	20.30	20.82	21.19	21.72	22.85	18.92	19.44	19.81	20.34	21.47
	12H	20.41	20.88	21.32	21.79	22.93	19.03	19.50	19.94	20.42	21.55
8H	4H	19.74	20.26	20.63	21.16	22.29	18.60	19.12	19.49	20.02	21.15
	6H	20.36	20.79	21.28	21.74	22.86	19.13	19.57	20.05	20.51	21.63
	8H	20.64	21.02	21.57	21.96	23.10	19.39	19.77	20.31	20.70	21.85
	12H	20.81	21.15	21.74	22.07	23.27	19.57	19.91	20.50	20.83	22.03
12H	4H	19.72	20.19	20.63	21.11	22.24	18.61	19.08	19.52	20.00	21.13
	6H	20.38	20.76	21.31	21.70	22.84	19.19	19.57	20.12	20.51	21.65
	8H	20.69	21.02	21.62	21.95	23.14	19.48	19.82	20.41	20.74	21.94