

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: P1439509

Luminaire Tested: CB3-D-030U-055D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439509  
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-935-1D-UNV-STD-W-4  
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: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

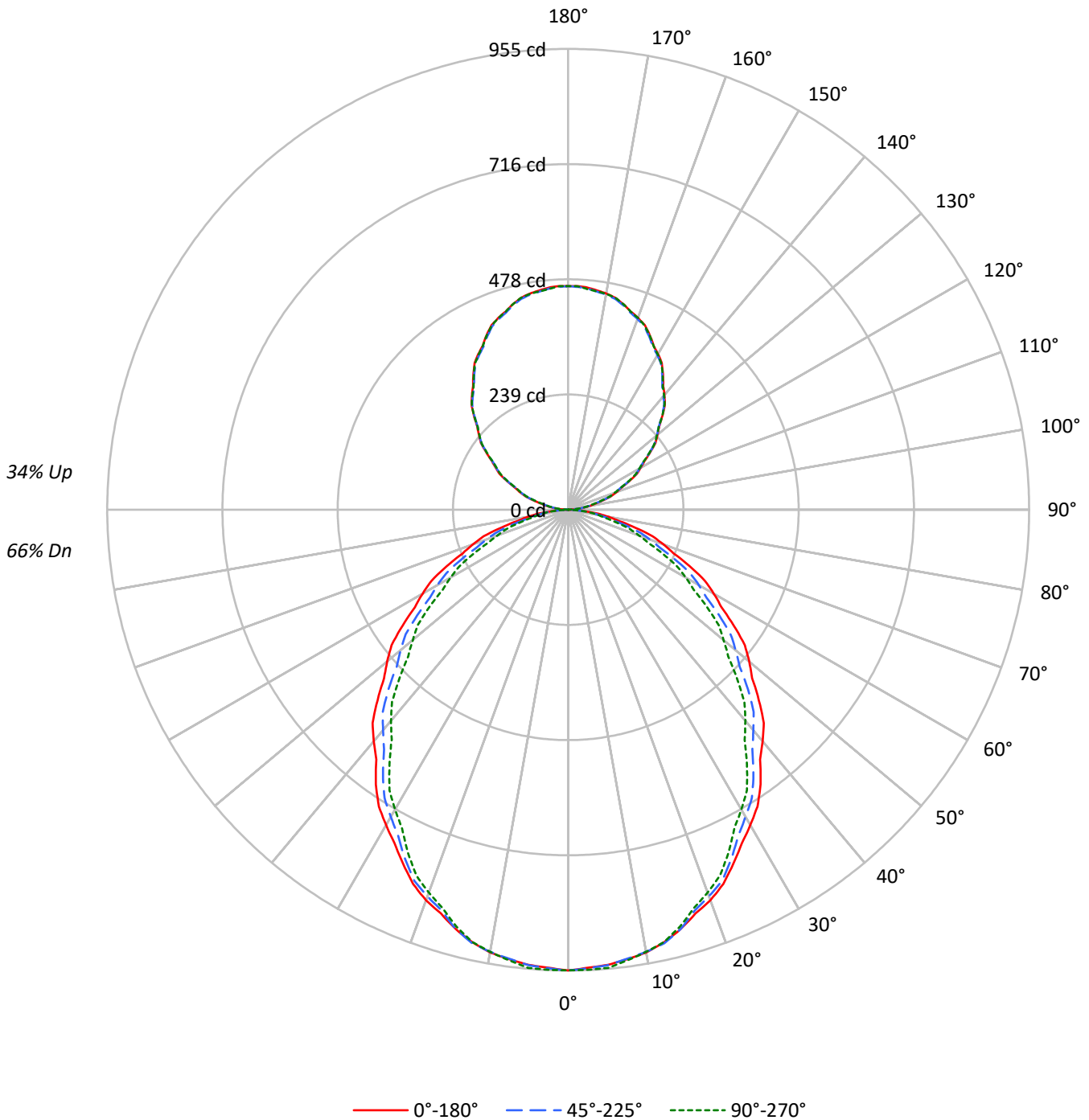
Lumens per Lamp: N/A  
Luminaire Lumens: 3479.2 lumens  
Efficiency: N/A  
Efficacy: 140.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 24.7  
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	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°	10803	10803	10803
5°	10752	10760	10825
10°	10706	10689	10689
15°	10541	10541	10478
20°	10371	10265	10170
25°	10105	9977	9800
30°	9857	9600	9370
35°	9597	9242	8913
40°	9252	8810	8431
45°	8938	8428	7908
50°	8615	7970	7398
55°	8263	7528	6914
60°	7884	7072	6366
65°	7440	6551	5788
70°	6931	5941	5157
75°	6282	5215	4595
80°	5480	4372	4066
85°	4219	3700	3700

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8938 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.1	2.6
10°-20°	253.1	7.3
20°-30°	367.6	10.6
30°-40°	417.9	12.0
40°-50°	405.7	11.7
50°-60°	342.5	9.8
60°-70°	243.7	7.0
70°-80°	130.2	3.7
80°-90°	34.4	1.0
90°-100°	19.6	0.6
100°-110°	76.6	2.2
110°-120°	136.5	3.9
120°-130°	184.7	5.3
130°-140°	212.4	6.1
140°-150°	213.1	6.1
150°-160°	183.3	5.3
160°-170°	124.1	3.6
170°-180°	43.8	1.3
0°-30°	710.8	20.4
0°-40°	1128.7	32.4
0°-60°	1877.0	53.9
0°-90°	2285.3	65.7
90°-120°	232.7	6.7
90°-150°	842.9	24.2
90°-180°	1194.0	34.3
0°-180°	3479.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	955	955	955	955	955	
5°	947	959	947	946	953	90
15°	900	908	900	894	894	253
25°	809	812	799	788	785	373
35°	695	688	669	649	645	433
45°	559	550	527	502	494	431
55°	419	408	382	357	350	375
65°	278	268	245	223	216	275
75°	144	136	119	107	105	153
85°	32	30	28	28	28	39
90°	0	0	0	0	0	2
95°	19	17	15	14	15	21
105°	74	74	71	70	70	79
115°	139	140	137	136	136	138
125°	207	210	206	205	205	185
135°	276	279	275	272	275	213
145°	342	345	340	338	341	214
155°	400	403	396	395	399	184
165°	441	445	439	437	441	124
175°	462	466	460	457	459	44
180°	463	463	463	463	463	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	954.8	954.8	954.8	954.8	954.8
2.5°	949.9	959.5	951.0	952.2	954.3
5°	946.7	958.6	947.4	946.2	953.1
7.5°	939.4	950.2	938.5	935.8	941.8
10°	931.8	943.7	930.4	927.1	930.4
12.5°	918.2	930.7	920.1	914.6	917.4
15°	899.9	907.9	899.9	894.5	894.5
17.5°	877.5	885.9	870.9	867.1	865.5
20°	861.3	868.6	852.5	847.0	844.6
22.5°	839.6	846.3	832.9	823.4	820.8
25°	809.4	812.0	799.2	788.3	785.0
27.5°	779.4	780.1	762.5	749.2	744.9
30°	754.5	755.1	734.8	720.5	717.2
32.5°	729.5	727.5	708.3	691.3	689.0
35°	694.8	688.2	669.1	649.3	645.3
37.5°	652.9	649.0	626.4	606.6	600.6
40°	626.4	619.7	596.5	576.7	570.8
42.5°	599.8	592.1	568.3	546.4	539.9
45°	558.6	550.0	526.7	501.5	494.2
47.5°	517.1	507.7	482.1	457.7	449.6
50°	489.4	479.5	452.8	428.9	420.3
52.5°	461.2	450.8	424.1	399.7	392.6
55°	418.9	407.7	381.6	357.1	350.5
57.5°	376.6	365.5	339.6	316.4	308.4
60°	348.4	337.8	312.5	289.3	281.3
62.5°	319.7	309.6	284.8	262.2	254.7
65°	277.9	268.0	244.7	222.9	216.2
67.5°	236.6	228.1	205.1	185.1	179.8
70°	209.5	201.5	179.6	161.2	155.9
72.5°	183.4	175.0	154.2	138.5	134.8
75°	143.7	135.8	119.3	107.1	105.1
77.5°	107.4	100.9	86.6	79.7	78.6
80°	84.1	78.1	67.1	62.4	62.4
82.5°	62.4	57.5	50.3	48.3	48.3
85°	32.5	29.9	28.5	28.5	28.5
87.5°	9.8	9.8	9.2	8.7	8.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.1	4.6	2.8	2.3	2.3
95°	18.8	17.1	15.3	14.2	14.6
97.5°	34.7	33.1	30.8	29.8	30.0
100°	45.8	44.4	41.9	40.8	40.8
102.5°	56.6	55.8	53.3	52.2	52.5
105°	74.2	73.9	71.4	70.3	69.6
107.5°	93.7	93.1	90.3	90.2	89.6
110°	106.2	105.9	103.4	103.0	102.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	119.0	119.5	116.7	116.4	116.0
115°	139.2	139.9	136.8	136.4	136.0
117.5°	160.0	161.0	157.6	157.2	156.6
120°	173.3	175.4	171.2	170.8	170.5
122.5°	187.0	188.8	184.8	184.2	184.1
125°	207.4	209.9	205.7	205.0	205.3
127.5°	227.9	230.4	226.5	225.1	225.8
130°	241.5	244.3	240.1	238.7	239.8
132.5°	255.5	258.2	254.0	252.7	254.3
135°	276.3	279.1	274.6	272.5	275.3
137.5°	296.7	299.2	294.2	292.8	295.7
140°	310.1	312.5	307.2	305.6	309.0
142.5°	323.2	325.9	320.0	318.3	322.1
145°	342.4	345.2	339.6	337.9	341.0
147.5°	360.9	363.7	358.0	356.1	359.2
150°	372.2	375.4	369.4	367.7	371.2
152.5°	383.3	386.7	380.5	378.5	382.8
155°	399.6	403.1	396.4	394.7	398.9
157.5°	414.2	417.4	411.4	409.7	413.3
160°	423.0	426.5	420.2	418.5	422.7
162.5°	430.7	434.2	428.4	426.2	430.4
165°	441.2	445.0	439.0	436.6	441.2
167.5°	449.9	454.0	447.7	445.5	450.0
170°	455.0	458.8	452.5	449.8	454.3
172.5°	458.4	462.2	455.9	453.2	456.3
175°	462.1	466.3	460.0	457.2	458.9
177.5°	463.7	467.1	462.0	459.6	463.5
180°	463.2	463.2	463.2	463.2	463.2

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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	16.75	17.76	17.57	18.59	19.62	15.68	16.68	16.49	17.52	18.55
	3H	18.43	19.34	19.26	20.18	21.24	17.10	18.00	17.93	18.85	19.90
	4H	19.07	19.92	19.91	20.77	21.84	17.63	18.48	18.47	19.33	20.40
	6H	19.46	20.25	20.32	21.11	22.19	17.95	18.74	18.81	19.59	20.68
	8H	19.60	20.35	20.47	21.23	22.31	18.08	18.83	18.94	19.70	20.78
	12H	19.68	20.39	20.54	21.26	22.37	18.16	18.87	19.03	19.74	20.85
4H	2H	17.18	18.03	18.03	18.88	19.95	16.32	17.17	17.17	18.02	19.09
	3H	19.08	19.79	19.94	20.68	21.76	17.95	18.66	18.81	19.55	20.63
	4H	19.84	20.48	20.71	21.36	22.48	18.57	19.21	19.44	20.09	21.20
	6H	20.35	20.91	21.23	21.81	22.92	18.99	19.55	19.87	20.45	21.56
	8H	20.54	21.06	21.43	21.96	23.09	19.16	19.68	20.05	20.58	21.71
	12H	20.65	21.12	21.56	22.04	23.17	19.27	19.74	20.18	20.66	21.79
8H	4H	19.98	20.50	20.87	21.40	22.53	18.84	19.36	19.73	20.26	21.39
	6H	20.60	21.04	21.52	21.98	23.10	19.37	19.81	20.29	20.75	21.87
	8H	20.88	21.26	21.81	22.20	23.34	19.63	20.01	20.55	20.94	22.09
	12H	21.05	21.39	21.98	22.31	23.51	19.81	20.15	20.74	21.07	22.27
12H	4H	19.96	20.43	20.87	21.35	22.48	18.85	19.32	19.76	20.24	21.37
	6H	20.62	21.00	21.55	21.94	23.08	19.43	19.81	20.36	20.75	21.89
	8H	20.93	21.26	21.86	22.19	23.39	19.72	20.06	20.65	20.98	22.18