

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: P1438665

Luminaire Tested: CB2-055U-055D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438665  
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: CB2-055U-055D-935-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

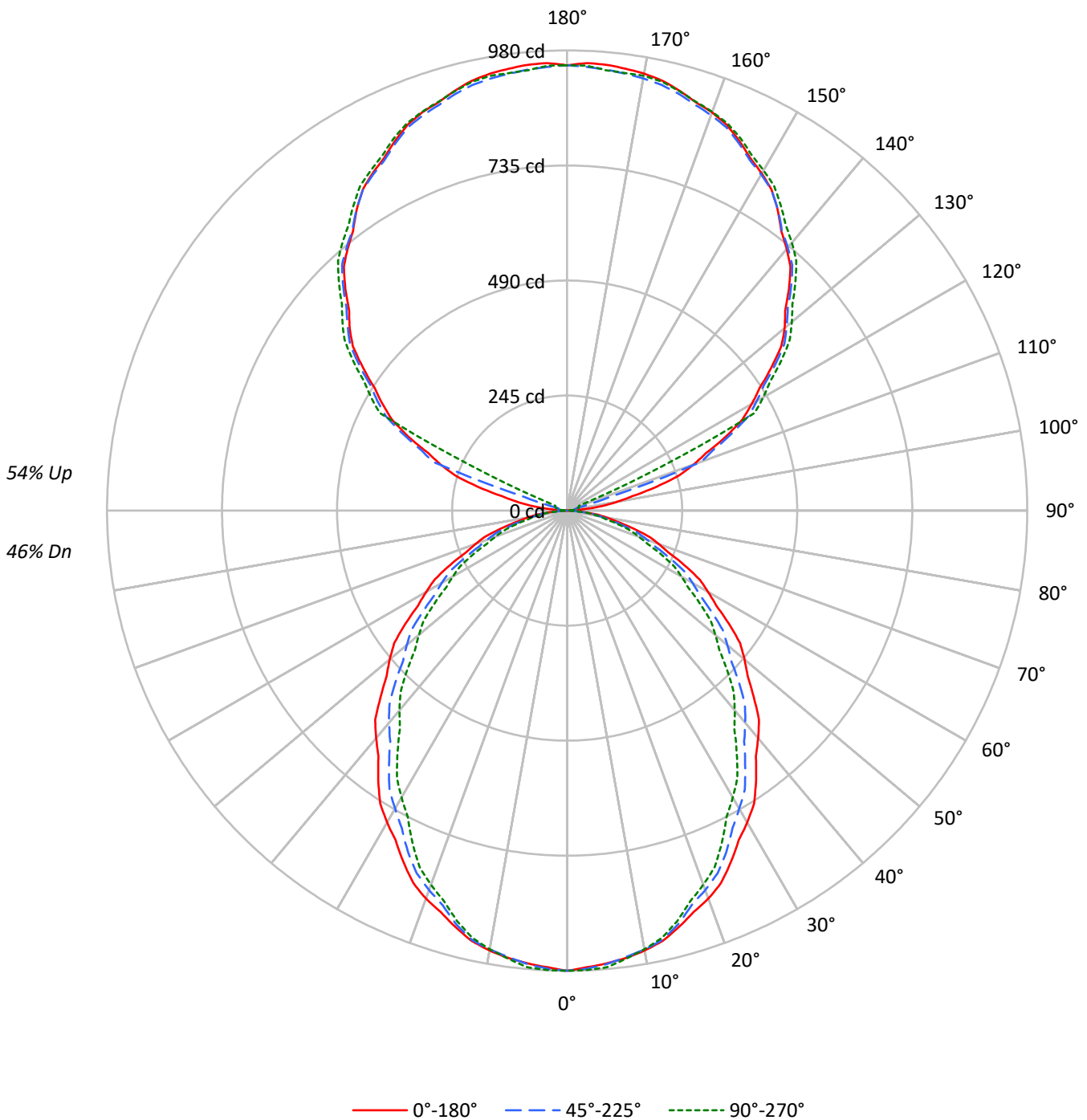
Lumens per Lamp: N/A  
Luminaire Lumens: 4989.4 lumens  
Efficiency: N/A  
Efficacy: 144.2 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 34.6  
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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44	39
2	88	81	75	70	81	75	70	65	63	59	56	51	49	46	41	39	38	33
3	81	72	64	59	74	66	60	55	55	51	47	46	42	39	37	34	32	28
4	74	63	56	50	68	58	52	46	49	44	40	41	37	34	33	30	28	24
5	68	57	49	43	62	52	45	40	44	39	35	37	33	29	30	27	24	21
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19
7	58	46	38	33	53	42	36	31	36	31	27	30	26	23	25	22	19	17
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	21	18	16	14
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	19	16	14	12

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

	0°	45°	90°
0°	17069	17069	17069
5°	16924	16951	17070
10°	16828	16788	16775
15°	16562	16454	16319
20°	16302	15938	15716
25°	15862	15417	14984
30°	15424	14744	14187
35°	14918	14057	13387
40°	14383	13410	12626
45°	13843	12735	11885
50°	13359	12077	11164
55°	12760	11393	10482
60°	12077	10743	9802
65°	11350	10019	9125
70°	10547	9207	8255
75°	9596	8331	7477
80°	8576	7302	6770
85°	6595	5995	4956

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13843 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.2	1.8
10°-20°	256.9	5.1
20°-30°	369.4	7.4
30°-40°	415.2	8.3
40°-50°	401.1	8.0
50°-60°	338.9	6.8
60°-70°	243.4	4.9
70°-80°	133.0	2.7
80°-90°	35.4	0.7
90°-100°	16.5	0.3
100°-110°	105.2	2.1
110°-120°	334.2	6.7
120°-130°	485.0	9.7
130°-140°	521.6	10.5
140°-150°	491.1	9.8
150°-160°	400.1	8.0
160°-170°	260.4	5.2
170°-180°	90.0	1.8
0°-30°	718.4	14.4
0°-40°	1133.6	22.7
0°-60°	1873.5	37.5
0°-90°	2285.3	45.8
90°-120°	455.9	9.1
90°-150°	1953.6	39.2
90°-180°	2704.0	54.2
0°-180°	4989.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	980	980	980	980	980	
5°	968	981	970	970	976	92
15°	918	926	912	904	905	259
25°	825	826	802	784	780	380
35°	702	694	661	635	630	438
45°	562	550	517	490	482	434
55°	420	405	375	352	345	376
65°	275	265	243	226	221	273
75°	143	134	124	114	111	153
85°	33	31	30	26	25	39
90°	0	0	0	1	1	3
95°	38	11	12	8	7	48
105°	198	205	21	24	25	208
115°	374	382	385	390	224	367
125°	531	540	540	549	557	474
135°	668	676	675	679	688	515
145°	782	788	782	783	793	489
155°	868	874	864	862	874	400
165°	926	928	919	915	924	261
175°	953	955	943	937	942	91
180°	948	948	948	948	948	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	980.0	980.0	980.0	980.0	980.0
2.5°	973.4	985.1	976.4	977.6	979.4
5°	968.0	981.2	969.5	969.7	976.3
7.5°	961.1	973.6	958.8	956.1	962.3
10°	951.5	964.0	949.2	944.1	948.5
12.5°	938.9	950.8	936.6	928.5	932.3
15°	918.5	926.5	912.5	903.5	905.0
17.5°	896.3	901.3	881.0	873.4	872.0
20°	879.5	883.9	859.9	849.4	847.9
22.5°	857.8	861.7	836.5	823.6	821.5
25°	825.4	826.2	802.2	784.1	779.7
27.5°	791.5	789.2	762.5	741.1	735.4
30°	766.9	764.0	733.1	710.5	705.4
32.5°	740.5	735.2	704.3	679.9	674.8
35°	701.6	693.5	661.1	635.4	629.6
37.5°	660.2	651.1	619.2	591.3	584.7
40°	632.6	622.3	589.8	561.9	555.3
42.5°	605.0	593.5	560.4	532.5	525.3
45°	562.0	550.3	517.0	489.8	482.5
47.5°	521.2	506.3	473.9	446.9	439.6
50°	493.0	476.9	445.7	419.3	412.0
52.5°	464.2	447.5	417.5	392.3	385.0
55°	420.2	404.8	375.2	351.8	345.2
57.5°	376.7	361.9	334.8	312.5	306.0
60°	346.7	334.2	308.4	287.3	281.4
62.5°	317.9	306.6	282.0	262.7	256.8
65°	275.4	265.1	243.1	225.8	221.4
67.5°	234.1	223.8	206.1	190.5	185.5
70°	207.1	196.8	180.8	166.5	162.1
72.5°	181.3	170.4	157.4	144.3	141.1
75°	142.6	133.8	123.8	114.0	111.1
77.5°	108.4	99.8	92.6	85.7	84.9
80°	85.5	78.2	72.8	68.3	67.5
82.5°	63.9	58.4	54.8	51.5	51.3
85°	33.0	30.8	30.0	26.2	24.8
87.5°	9.6	9.6	8.4	7.3	7.3
90°	0.0	0.0	0.0	0.7	0.7
92.5°	10.4	4.0	2.7	4.0	4.0
95°	37.7	10.9	11.7	7.5	6.9
97.5°	78.3	17.6	16.9	18.5	19.2
100°	109.0	35.9	18.5	21.3	21.9
102.5°	143.0	135.4	19.1	22.9	24.1
105°	197.5	204.9	20.6	24.0	25.4
107.5°	251.0	258.3	95.7	24.9	26.2
110°	286.6	294.0	303.1	25.4	26.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	320.1	329.1	336.0	56.5	27.8
115°	373.7	381.8	385.4	389.8	223.5
117.5°	421.0	431.0	435.0	442.7	450.2
120°	453.9	463.3	466.3	474.0	482.1
122.5°	486.3	494.6	496.5	505.3	512.8
125°	530.7	540.1	540.3	549.4	556.8
127.5°	575.2	583.2	582.9	589.6	597.8
130°	604.8	610.2	610.3	616.0	624.7
132.5°	629.5	637.0	637.2	641.8	650.5
135°	667.9	675.9	674.7	679.1	687.8
137.5°	704.0	711.7	709.6	713.2	722.2
140°	727.5	734.3	731.0	734.6	744.7
142.5°	749.5	756.2	751.3	754.4	765.0
145°	781.7	787.8	782.4	783.3	793.4
147.5°	810.4	816.3	809.8	810.7	820.1
150°	829.0	834.4	826.3	827.2	836.6
152.5°	845.5	850.3	841.7	841.5	852.5
155°	868.1	873.5	864.0	862.2	874.3
157.5°	888.7	893.7	884.2	882.9	892.3
160°	902.4	905.8	896.2	894.4	903.8
162.5°	911.7	915.6	906.1	903.2	912.6
165°	925.7	928.4	918.9	915.0	924.4
167.5°	937.8	940.9	928.6	925.1	935.2
170°	944.9	946.9	934.6	930.1	940.1
172.5°	949.3	950.8	938.5	933.3	940.1
175°	953.2	955.2	942.9	936.8	941.5
177.5°	953.8	954.9	945.6	940.3	948.4
180°	948.4	948.4	948.4	948.4	948.4



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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	16.46	17.27	17.45	18.28	19.61	15.36	16.17	16.35	17.18	18.51
	3H	18.10	18.83	19.10	19.84	21.19	16.88	17.61	17.89	18.62	19.98
	4H	18.72	19.42	19.74	20.43	21.79	17.45	18.14	18.47	19.16	20.52
	6H	19.12	19.76	20.15	20.78	22.15	17.82	18.46	18.85	19.48	20.85
	8H	19.27	19.88	20.31	20.91	22.28	17.96	18.57	18.99	19.60	20.97
	12H	19.34	19.92	20.38	20.95	22.34	18.02	18.60	19.06	19.63	21.02
4H	2H	16.86	17.55	17.88	18.57	19.93	15.99	16.68	17.01	17.69	19.05
	3H	18.72	19.30	19.76	20.35	21.72	17.72	18.29	18.75	19.34	20.71
	4H	19.47	20.00	20.51	21.03	22.43	18.39	18.92	19.43	19.95	21.35
	6H	19.99	20.44	21.04	21.50	22.89	18.86	19.31	19.91	20.37	21.77
	8H	20.19	20.61	21.24	21.67	23.07	19.05	19.47	20.10	20.53	21.93
	12H	20.29	20.68	21.36	21.74	23.15	19.14	19.52	20.20	20.58	22.00
8H	4H	19.62	20.04	20.67	21.10	22.50	18.66	19.08	19.71	20.13	21.54
	6H	20.26	20.61	21.34	21.71	23.11	19.26	19.61	20.33	20.70	22.11
	8H	20.55	20.86	21.63	21.94	23.36	19.54	19.84	20.62	20.92	22.34
	12H	20.72	20.99	21.81	22.07	23.53	19.68	19.95	20.77	21.03	22.49
12H	4H	19.60	19.98	20.67	21.05	22.46	18.66	19.04	19.73	20.11	21.52
	6H	20.29	20.60	21.37	21.68	23.10	19.32	19.63	20.40	20.71	22.13
	8H	20.60	20.87	21.69	21.95	23.41	19.63	19.90	20.71	20.97	22.43