

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: P1438609

Luminaire Tested: CB2-030U-055D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438609  
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-935-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

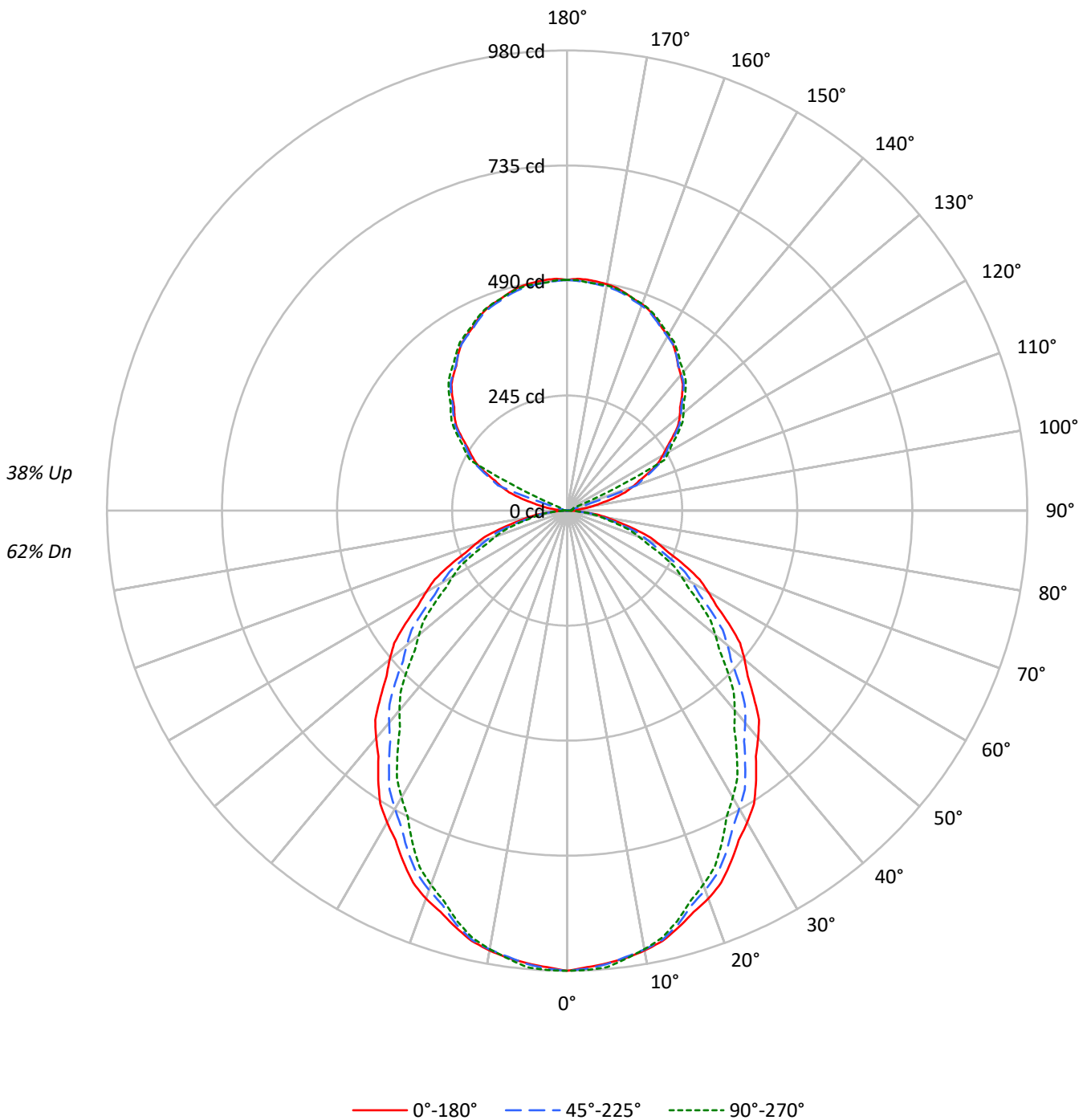
Lumens per Lamp: N/A  
Luminaire Lumens: 3686.0 lumens  
Efficiency: N/A  
Efficacy: 137.5 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 26.8  
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°	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	2.5
10°-20°	256.9	7.0
20°-30°	369.4	10.0
30°-40°	415.2	11.3
40°-50°	401.1	10.9
50°-60°	338.9	9.2
60°-70°	243.4	6.6
70°-80°	133.0	3.6
80°-90°	35.4	1.0
90°-100°	8.6	0.2
100°-110°	54.5	1.5
110°-120°	173.1	4.7
120°-130°	251.2	6.8
130°-140°	270.2	7.3
140°-150°	254.4	6.9
150°-160°	207.2	5.6
160°-170°	134.9	3.7
170°-180°	46.6	1.3
0°-30°	718.4	19.5
0°-40°	1133.6	30.8
0°-60°	1873.5	50.8
0°-90°	2285.3	62.0
90°-120°	236.2	6.4
90°-150°	1012.0	27.5
90°-180°	1401.0	38.0
0°-180°	3686.0	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	0	0	2
95°	20	6	6	4	4	25
105°	102	106	11	12	13	108
115°	194	198	200	202	116	190
125°	275	280	280	285	288	246
135°	346	350	350	352	356	267
145°	405	408	405	406	411	253
155°	450	452	448	447	453	207
165°	480	481	476	474	479	135
175°	494	495	488	485	488	47
180°	491	491	491	491	491	

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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	0.4	0.4
92.5°	5.4	2.1	1.4	2.1	2.1
95°	19.5	5.6	6.0	3.9	3.6
97.5°	40.6	9.1	8.7	9.6	9.9
100°	56.5	18.6	9.6	11.0	11.4
102.5°	74.1	70.1	9.9	11.9	12.5
105°	102.3	106.1	10.7	12.4	13.1
107.5°	130.0	133.8	49.6	12.9	13.6
110°	148.5	152.3	157.0	13.2	13.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	165.8	170.5	174.0	29.3	14.4
115°	193.6	197.8	199.6	201.9	115.8
117.5°	218.1	223.2	225.3	229.3	233.2
120°	235.1	240.0	241.5	245.5	249.7
122.5°	251.9	256.2	257.2	261.7	265.6
125°	274.9	279.8	279.9	284.6	288.4
127.5°	297.9	302.1	301.9	305.4	309.7
130°	313.3	316.1	316.1	319.1	323.6
132.5°	326.1	330.0	330.1	332.4	336.9
135°	346.0	350.1	349.5	351.8	356.3
137.5°	364.6	368.7	367.6	369.4	374.1
140°	376.9	380.3	378.6	380.5	385.7
142.5°	388.2	391.7	389.2	390.8	396.3
145°	404.9	408.1	405.3	405.8	411.0
147.5°	419.8	422.8	419.5	420.0	424.8
150°	429.4	432.2	428.0	428.5	433.3
152.5°	438.0	440.5	436.0	435.9	441.6
155°	449.7	452.5	447.6	446.6	452.9
157.5°	460.3	462.9	458.0	457.3	462.2
160°	467.4	469.2	464.2	463.3	468.2
162.5°	472.3	474.3	469.4	467.8	472.7
165°	479.5	480.9	476.0	473.9	478.8
167.5°	485.8	487.4	481.0	479.2	484.4
170°	489.5	490.5	484.1	481.8	487.0
172.5°	491.7	492.5	486.1	483.4	487.0
175°	493.7	494.8	488.4	485.3	487.7
177.5°	494.1	494.6	489.8	487.1	491.2
180°	491.2	491.2	491.2	491.2	491.2



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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	17.90	18.87	18.75	19.74	20.83	16.80	17.77	17.65	18.64	19.73
	3H	19.55	20.42	20.42	21.30	22.42	18.34	19.20	19.20	20.08	21.20
	4H	20.19	21.00	21.07	21.89	23.02	18.92	19.73	19.79	20.62	21.75
	6H	20.60	21.35	21.49	22.24	23.38	19.29	20.05	20.18	20.94	22.08
	8H	20.75	21.46	21.64	22.37	23.51	19.44	20.15	20.33	21.06	22.20
	12H	20.82	21.51	21.73	22.41	23.58	19.50	20.19	20.41	21.09	22.25
4H	2H	18.32	19.14	19.21	20.03	21.15	17.45	18.27	18.33	19.15	20.28
	3H	20.20	20.88	21.10	21.80	22.94	19.19	19.87	20.09	20.79	21.93
	4H	20.95	21.57	21.86	22.49	23.65	19.87	20.49	20.78	21.41	22.57
	6H	21.48	22.01	22.40	22.95	24.12	20.35	20.89	21.27	21.82	22.99
	8H	21.68	22.18	22.61	23.12	24.30	20.54	21.04	21.47	21.98	23.16
	12H	21.80	22.25	22.74	23.20	24.38	20.64	21.09	21.58	22.04	23.23
8H	4H	21.12	21.62	22.04	22.55	23.73	20.15	20.65	21.08	21.58	22.77
	6H	21.76	22.18	22.71	23.15	24.33	20.76	21.18	21.71	22.15	23.33
	8H	22.05	22.42	23.01	23.38	24.58	21.04	21.40	22.00	22.37	23.57
	12H	22.23	22.55	23.19	23.51	24.76	21.19	21.51	22.15	22.47	23.72
12H	4H	21.10	21.55	22.04	22.50	23.69	20.16	20.61	21.10	21.56	22.75
	6H	21.79	22.16	22.75	23.12	24.32	20.82	21.19	21.78	22.16	23.36
	8H	22.11	22.44	23.07	23.39	24.64	21.14	21.46	22.10	22.41	23.66