

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: P1438592

Luminaire Tested: CB2-030U-030D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438592  
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-030D-927-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

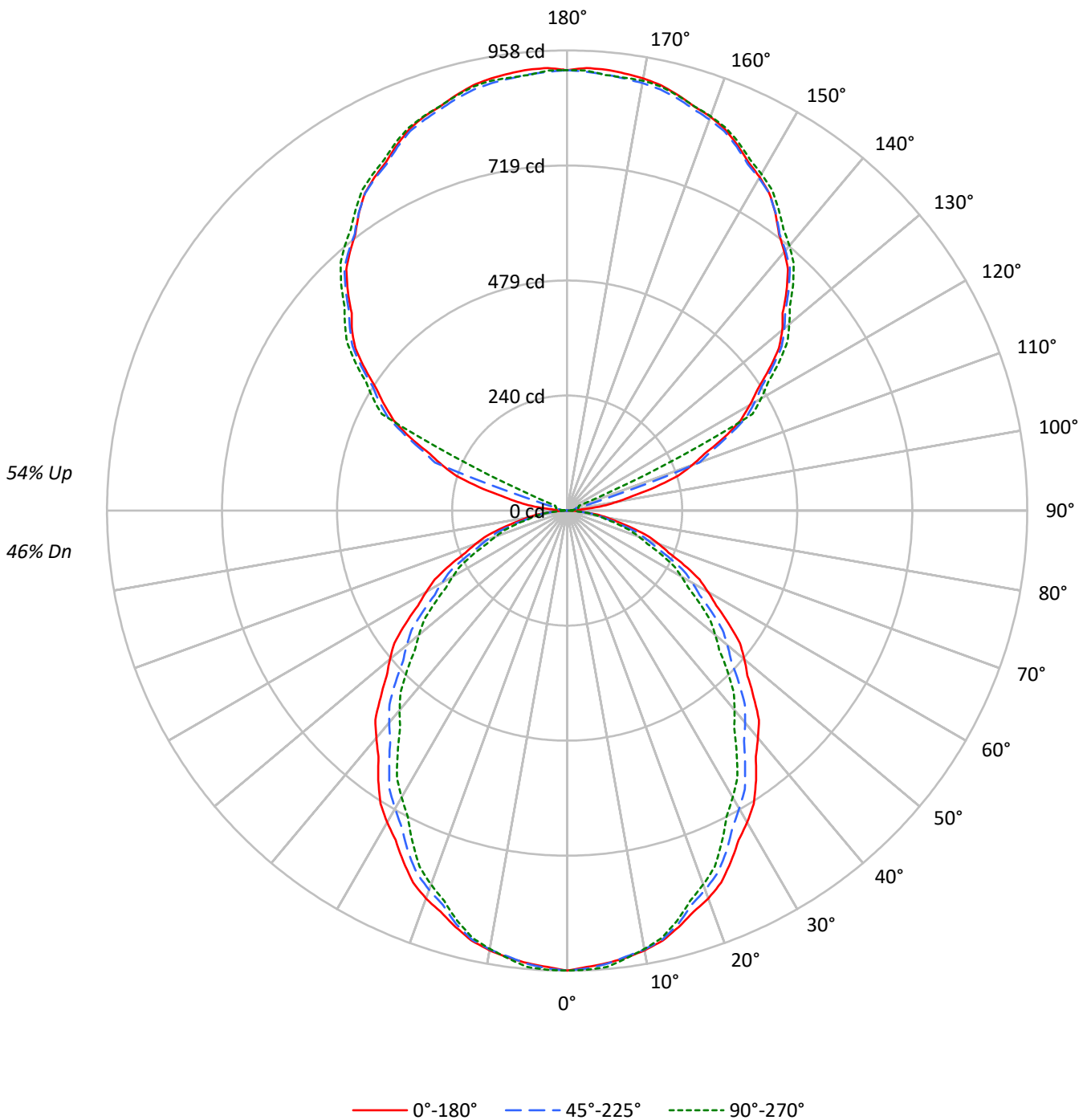
Lumens per Lamp: N/A  
Luminaire Lumens: 4847.3 lumens  
Efficiency: N/A  
Efficacy: 132.1 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 36.7  
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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	53	53	53	46				
1	97	93	89	86	89	85	82	79	71	69	67	59	57	55	47	46	45	39				
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	41	39	38	33				
3	81	72	64	59	74	66	60	55	55	51	47	46	42	40	37	34	32	28				
4	74	63	56	50	68	59	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	30	30	27	25	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	43	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	26	21	19	21	18	16	14				
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	14	12				

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

	0°	45°	90°
0°	8339	8339	8339
5°	8268	8280	8338
10°	8220	8202	8195
15°	8091	8038	7972
20°	7964	7787	7678
25°	7750	7531	7320
30°	7535	7203	6931
35°	7288	6867	6539
40°	7027	6552	6167
45°	6763	6221	5806
50°	6526	5900	5453
55°	6234	5566	5121
60°	5899	5248	4788
65°	5545	4894	4457
70°	5154	4499	4033
75°	4687	4071	3651
80°	4193	3566	3310
85°	3227	2928	2418

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6763 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.0	1.9
10°-20°	251.0	5.2
20°-30°	360.9	7.4
30°-40°	405.6	8.4
40°-50°	391.8	8.1
50°-60°	331.1	6.8
60°-70°	237.8	4.9
70°-80°	130.0	2.7
80°-90°	34.6	0.7
90°-100°	16.0	0.3
100°-110°	101.7	2.1
110°-120°	323.1	6.7
120°-130°	468.9	9.7
130°-140°	504.3	10.4
140°-150°	474.8	9.8
150°-160°	386.8	8.0
160°-170°	251.8	5.2
170°-180°	87.0	1.8
0°-30°	701.9	14.5
0°-40°	1107.6	22.8
0°-60°	1830.5	37.8
0°-90°	2232.9	46.1
90°-120°	440.8	9.1
90°-150°	1888.8	39.0
90°-180°	2614.0	53.9
0°-180°	4847.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	958	958	958	958	958	
5°	946	959	947	947	954	90
15°	897	905	892	883	884	253
25°	806	807	784	766	762	371
35°	686	678	646	621	615	428
45°	549	538	505	479	471	424
55°	411	396	367	344	337	367
65°	269	259	238	221	216	267
75°	139	131	121	111	108	149
85°	32	30	29	26	24	38
90°	0	0	0	1	1	3
95°	36	10	11	7	7	46
105°	191	198	20	23	24	201
115°	361	369	373	377	216	355
125°	513	522	522	531	538	459
135°	646	654	652	656	665	498
145°	756	762	756	757	767	472
155°	839	844	835	834	845	387
165°	895	898	888	885	894	253
175°	922	924	912	906	910	88
180°	917	917	917	917	917	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	957.5	957.5	957.5	957.5	957.5
2.5°	951.1	962.5	954.0	955.2	956.9
5°	945.8	958.7	947.2	947.4	953.8
7.5°	939.0	951.2	936.8	934.2	940.2
10°	929.6	941.8	927.5	922.4	926.7
12.5°	917.3	928.9	915.1	907.2	910.9
15°	897.4	905.3	891.5	882.8	884.2
17.5°	875.7	880.6	860.7	853.4	851.9
20°	859.3	863.6	840.2	829.9	828.5
22.5°	838.2	841.9	817.3	804.7	802.7
25°	806.5	807.2	783.8	766.1	761.8
27.5°	773.3	771.0	745.0	724.1	718.5
30°	749.3	746.4	716.3	694.2	689.2
32.5°	723.5	718.3	688.1	664.3	659.3
35°	685.5	677.6	645.9	620.9	615.1
37.5°	645.0	636.1	605.0	577.7	571.3
40°	618.1	608.0	576.3	549.0	542.5
42.5°	591.1	579.9	547.5	520.2	513.2
45°	549.1	537.7	505.1	478.6	471.4
47.5°	509.3	494.6	463.1	436.7	429.5
50°	481.7	465.9	435.5	409.7	402.5
52.5°	453.5	437.2	407.9	383.3	376.1
55°	410.6	395.5	366.6	343.7	337.3
57.5°	368.0	353.6	327.1	305.3	299.0
60°	338.7	326.5	301.3	280.7	274.9
62.5°	310.6	299.5	275.5	256.6	250.9
65°	269.1	259.0	237.5	220.6	216.3
67.5°	228.7	218.7	201.3	186.1	181.2
70°	202.4	192.3	176.7	162.7	158.4
72.5°	177.1	166.5	153.8	141.0	137.8
75°	139.3	130.7	121.0	111.4	108.5
77.5°	105.9	97.6	90.5	83.7	83.0
80°	83.6	76.4	71.1	66.7	66.0
82.5°	62.5	57.0	53.5	50.3	50.1
85°	32.3	30.1	29.3	25.6	24.2
87.5°	9.4	9.4	8.2	7.2	7.2
90°	0.0	0.0	0.0	0.7	0.7
92.5°	10.1	3.9	2.7	3.8	3.8
95°	36.5	10.5	11.3	7.3	6.6
97.5°	75.7	17.0	16.3	17.9	18.6
100°	105.4	34.8	17.9	20.6	21.2
102.5°	138.3	130.9	18.4	22.2	23.3
105°	190.9	198.1	19.9	23.2	24.5
107.5°	242.7	249.8	92.6	24.0	25.3
110°	277.1	284.3	293.0	24.6	25.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	309.5	318.2	324.9	54.7	26.9
115°	361.3	369.1	372.6	376.9	216.1
117.5°	407.1	416.7	420.6	428.1	435.3
120°	438.9	448.0	450.8	458.3	466.1
122.5°	470.2	478.2	480.0	488.5	495.8
125°	513.1	522.2	522.4	531.2	538.3
127.5°	556.1	563.9	563.5	570.1	578.0
130°	584.8	589.9	590.1	595.6	604.0
132.5°	608.6	615.9	616.0	620.5	628.9
135°	645.7	653.5	652.4	656.5	665.0
137.5°	680.6	688.1	686.1	689.6	698.3
140°	703.4	709.9	706.7	710.3	720.0
142.5°	724.6	731.1	726.4	729.4	739.6
145°	755.8	761.6	756.5	757.3	767.1
147.5°	783.5	789.2	783.0	783.9	792.9
150°	801.5	806.7	798.9	799.8	808.8
152.5°	817.5	822.1	813.7	813.6	824.2
155°	839.3	844.5	835.4	833.6	845.3
157.5°	859.2	864.0	854.9	853.6	862.7
160°	872.5	875.7	866.5	864.7	873.8
162.5°	881.5	885.3	876.1	873.2	882.3
165°	895.0	897.6	888.4	884.6	893.7
167.5°	906.7	909.7	897.8	894.5	904.2
170°	913.6	915.5	903.6	899.2	908.9
172.5°	917.8	919.3	907.4	902.3	908.9
175°	921.5	923.5	911.6	905.7	910.3
177.5°	922.2	923.2	914.3	909.1	916.9
180°	916.9	916.9	916.9	916.9	916.9



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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	13.99	14.81	14.99	15.81	17.14	12.89	13.71	13.89	14.71	16.04
	3H	15.63	16.37	16.64	17.38	18.73	14.42	15.15	15.42	16.16	17.51
	4H	16.26	16.95	17.28	17.97	19.32	14.99	15.68	16.01	16.70	18.05
	6H	16.66	17.30	17.69	18.32	19.69	15.36	16.00	16.38	17.02	18.38
	8H	16.81	17.42	17.84	18.45	19.82	15.50	16.10	16.53	17.14	18.50
	12H	16.88	17.46	17.92	18.49	19.88	15.56	16.14	16.60	17.16	18.55
4H	2H	14.40	15.09	15.42	16.10	17.46	13.52	14.21	14.54	15.23	16.59
	3H	16.26	16.84	17.29	17.88	19.25	15.25	15.83	16.28	16.87	18.24
	4H	17.01	17.53	18.04	18.57	19.96	15.93	16.45	16.96	17.49	18.88
	6H	17.52	17.98	18.57	19.04	20.42	16.40	16.85	17.45	17.91	19.30
	8H	17.73	18.15	18.78	19.20	20.61	16.59	17.01	17.64	18.06	19.47
	12H	17.83	18.21	18.90	19.28	20.69	16.67	17.06	17.74	18.12	19.53
8H	4H	17.16	17.58	18.21	18.63	20.04	16.20	16.62	17.24	17.67	19.07
	6H	17.80	18.15	18.87	19.24	20.64	16.80	17.15	17.87	18.24	19.64
	8H	18.09	18.40	19.17	19.47	20.89	17.07	17.38	18.15	18.46	19.88
	12H	18.26	18.53	19.35	19.60	21.07	17.22	17.49	18.30	18.56	20.02
12H	4H	17.14	17.52	18.20	18.59	19.99	16.20	16.58	17.26	17.65	19.05
	6H	17.83	18.14	18.91	19.21	20.63	16.86	17.17	17.94	18.25	19.67
	8H	18.14	18.41	19.23	19.49	20.95	17.16	17.44	18.25	18.51	19.97