

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: P1438598

Luminaire Tested: CB2-030U-030D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438598
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-940-1D-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

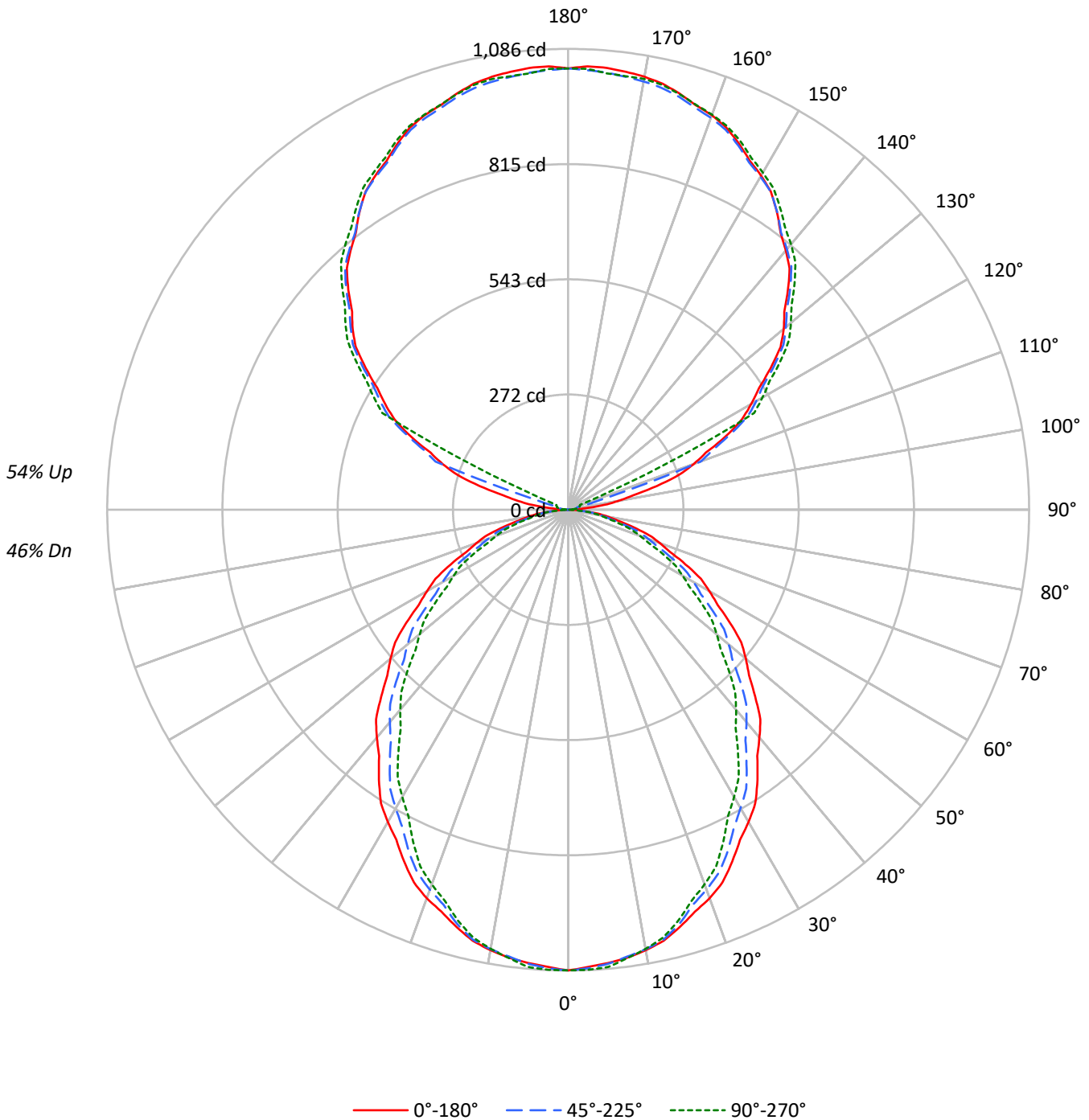
Lumens per Lamp: N/A
Luminaire Lumens: 5497.0 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 36.7
Input Voltage (V): 120
Input Current (A_{in}): 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	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°	9456	9456	9456
5°	9376	9391	9456
10°	9322	9301	9293
15°	9175	9115	9040
20°	9030	8830	8707
25°	8788	8540	8300
30°	8545	8168	7859
35°	8265	7787	7416
40°	7968	7429	6995
45°	7669	7056	6584
50°	7400	6691	6185
55°	7069	6312	5808
60°	6690	5952	5431
65°	6287	5551	5055
70°	5844	5103	4573
75°	5316	4616	4142
80°	4754	4042	3751
85°	3657	3327	2738

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7669 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.1	1.9
10°-20°	284.6	5.2
20°-30°	409.3	7.4
30°-40°	460.0	8.4
40°-50°	444.4	8.1
50°-60°	375.5	6.8
60°-70°	269.7	4.9
70°-80°	147.4	2.7
80°-90°	39.2	0.7
90°-100°	18.1	0.3
100°-110°	115.3	2.1
110°-120°	366.4	6.7
120°-130°	531.8	9.7
130°-140°	571.9	10.4
140°-150°	538.5	9.8
150°-160°	438.6	8.0
160°-170°	285.5	5.2
170°-180°	98.7	1.8
0°-30°	796.0	14.5
0°-40°	1256.0	22.8
0°-60°	2075.8	37.8
0°-90°	2532.1	46.1
90°-120°	499.9	9.1
90°-150°	2142.0	39.0
90°-180°	2965.0	53.9
0°-180°	5497.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1086	1086	1086	1086	1086	
5°	1072	1087	1074	1074	1082	102
15°	1018	1027	1011	1001	1003	287
25°	915	915	889	869	864	421
35°	777	768	732	704	698	486
45°	623	610	573	543	535	481
55°	466	448	416	390	382	416
65°	305	294	269	250	245	303
75°	158	148	137	126	123	169
85°	37	34	33	29	27	44
90°	0	0	0	1	1	3
95°	41	12	13	8	8	52
105°	216	225	23	26	28	228
115°	410	419	422	427	245	403
125°	582	592	592	602	610	520
135°	732	741	740	744	754	565
145°	857	864	858	859	870	536
155°	952	958	947	945	959	439
165°	1015	1018	1008	1003	1014	287
175°	1045	1047	1034	1027	1032	99
180°	1040	1040	1040	1040	1040	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1085.8	1085.8	1085.8	1085.8	1085.8
2.5°	1078.5	1091.5	1081.8	1083.2	1085.2
5°	1072.5	1087.2	1074.2	1074.4	1081.7
7.5°	1064.9	1078.7	1062.4	1059.4	1066.2
10°	1054.2	1068.1	1051.8	1046.0	1050.9
12.5°	1040.3	1053.4	1037.8	1028.7	1033.0
15°	1017.7	1026.6	1011.0	1001.1	1002.7
17.5°	993.1	998.6	976.1	967.7	966.1
20°	974.4	979.3	952.8	941.1	939.5
22.5°	950.5	954.7	926.9	912.5	910.2
25°	914.6	915.4	888.8	868.7	863.8
27.5°	877.0	874.4	844.9	821.1	814.8
30°	849.7	846.5	812.3	787.2	781.5
32.5°	820.4	814.6	780.4	753.3	747.6
35°	777.4	768.4	732.5	704.1	697.6
37.5°	731.5	721.4	686.1	655.2	647.8
40°	700.9	689.5	653.5	622.6	615.3
42.5°	670.3	657.6	620.9	590.0	582.0
45°	622.7	609.7	572.9	542.7	534.6
47.5°	577.5	560.9	525.1	495.2	487.0
50°	546.2	528.4	493.9	464.6	456.5
52.5°	514.3	495.8	462.6	434.6	426.5
55°	465.6	448.5	415.7	389.8	382.5
57.5°	417.4	401.0	371.0	346.2	339.1
60°	384.1	370.3	341.7	318.3	311.8
62.5°	352.2	339.7	312.4	291.0	284.5
65°	305.1	293.8	269.4	250.1	245.3
67.5°	259.4	248.0	228.3	211.1	205.5
70°	229.5	218.1	200.4	184.5	179.6
72.5°	200.9	188.8	174.4	159.9	156.3
75°	158.0	148.2	137.2	126.3	123.1
77.5°	120.1	110.6	102.6	94.9	94.1
80°	94.8	86.7	80.6	75.6	74.8
82.5°	70.8	64.7	60.7	57.0	56.9
85°	36.6	34.1	33.3	29.1	27.4
87.5°	10.6	10.6	9.3	8.1	8.1
90°	0.0	0.0	0.0	0.8	0.8
92.5°	11.4	4.4	3.0	4.4	4.4
95°	41.4	11.9	12.8	8.3	7.5
97.5°	85.9	19.3	18.5	20.3	21.1
100°	119.5	39.4	20.3	23.3	24.1
102.5°	156.8	148.5	20.9	25.1	26.5
105°	216.5	224.6	22.6	26.3	27.8
107.5°	275.2	283.3	105.0	27.2	28.7
110°	314.3	322.4	332.3	27.9	29.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	351.0	360.8	368.4	62.0	30.5
115°	409.8	418.6	422.5	427.4	245.1
117.5°	461.6	472.5	477.0	485.4	493.7
120°	497.7	508.0	511.3	519.7	528.5
122.5°	533.2	542.3	544.3	554.0	562.2
125°	581.9	592.2	592.4	602.4	610.5
127.5°	630.6	639.5	639.1	646.5	655.5
130°	663.1	669.0	669.1	675.4	684.9
132.5°	690.2	698.4	698.6	703.6	713.2
135°	732.3	741.1	739.8	744.5	754.1
137.5°	771.8	780.4	778.0	782.0	791.8
140°	797.7	805.1	801.5	805.5	816.5
142.5°	821.8	829.1	823.7	827.1	838.8
145°	857.1	863.7	857.8	858.9	869.9
147.5°	888.5	895.0	887.9	888.9	899.2
150°	909.0	914.9	906.0	907.0	917.2
152.5°	927.0	932.3	922.8	922.6	934.7
155°	951.8	957.7	947.3	945.4	958.6
157.5°	974.4	979.8	969.4	968.0	978.3
160°	989.4	993.1	982.7	980.6	990.9
162.5°	999.6	1003.9	993.5	990.3	1000.5
165°	1015.0	1017.9	1007.5	1003.2	1013.5
167.5°	1028.2	1031.6	1018.1	1014.3	1025.4
170°	1036.0	1038.2	1024.8	1019.7	1030.8
172.5°	1040.8	1042.5	1029.0	1023.3	1030.8
175°	1045.1	1047.3	1033.8	1027.1	1032.3
177.5°	1045.8	1047.0	1036.8	1031.0	1039.8
180°	1039.8	1039.8	1039.8	1039.8	1039.8

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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	14.43	15.25	15.42	16.25	17.58	13.33	14.15	14.32	15.15	16.48
	3H	16.07	16.80	17.08	17.82	19.16	14.85	15.59	15.86	16.60	17.95
	4H	16.70	17.39	17.71	18.41	19.76	15.43	16.12	16.44	17.13	18.49
	6H	17.10	17.74	18.13	18.76	20.12	15.80	16.43	16.82	17.45	18.82
	8H	17.25	17.85	18.28	18.89	20.25	15.93	16.54	16.97	17.58	18.94
	12H	17.32	17.90	18.36	18.92	20.31	16.00	16.57	17.03	17.60	18.99
4H	2H	14.83	15.53	15.86	16.54	17.90	13.96	14.65	14.98	15.67	17.02
	3H	16.70	17.28	17.73	18.32	19.69	15.69	16.27	16.72	17.31	18.68
	4H	17.44	17.97	18.48	19.01	20.40	16.36	16.89	17.40	17.93	19.32
	6H	17.96	18.41	19.01	19.47	20.86	16.83	17.29	17.88	18.35	19.74
	8H	18.16	18.59	19.21	19.64	21.04	17.02	17.45	18.07	18.50	19.90
	12H	18.27	18.65	19.34	19.72	21.13	17.11	17.49	18.18	18.56	19.97
8H	4H	17.60	18.02	18.65	19.07	20.47	16.63	17.06	17.68	18.11	19.51
	6H	18.24	18.59	19.31	19.68	21.08	17.23	17.58	18.31	18.68	20.08
	8H	18.53	18.83	19.61	19.91	21.33	17.51	17.82	18.59	18.89	20.31
	12H	18.70	18.97	19.78	20.04	21.50	17.66	17.93	18.74	19.00	20.46
12H	4H	17.57	17.96	18.64	19.02	20.43	16.63	17.02	17.70	18.08	19.49
	6H	18.26	18.57	19.34	19.65	21.07	17.30	17.61	18.38	18.68	20.10
	8H	18.58	18.85	19.66	19.92	21.38	17.60	17.87	18.68	18.94	20.40