

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: P1438607

Luminaire Tested: CB2-030U-055D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438607
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-930-1D-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

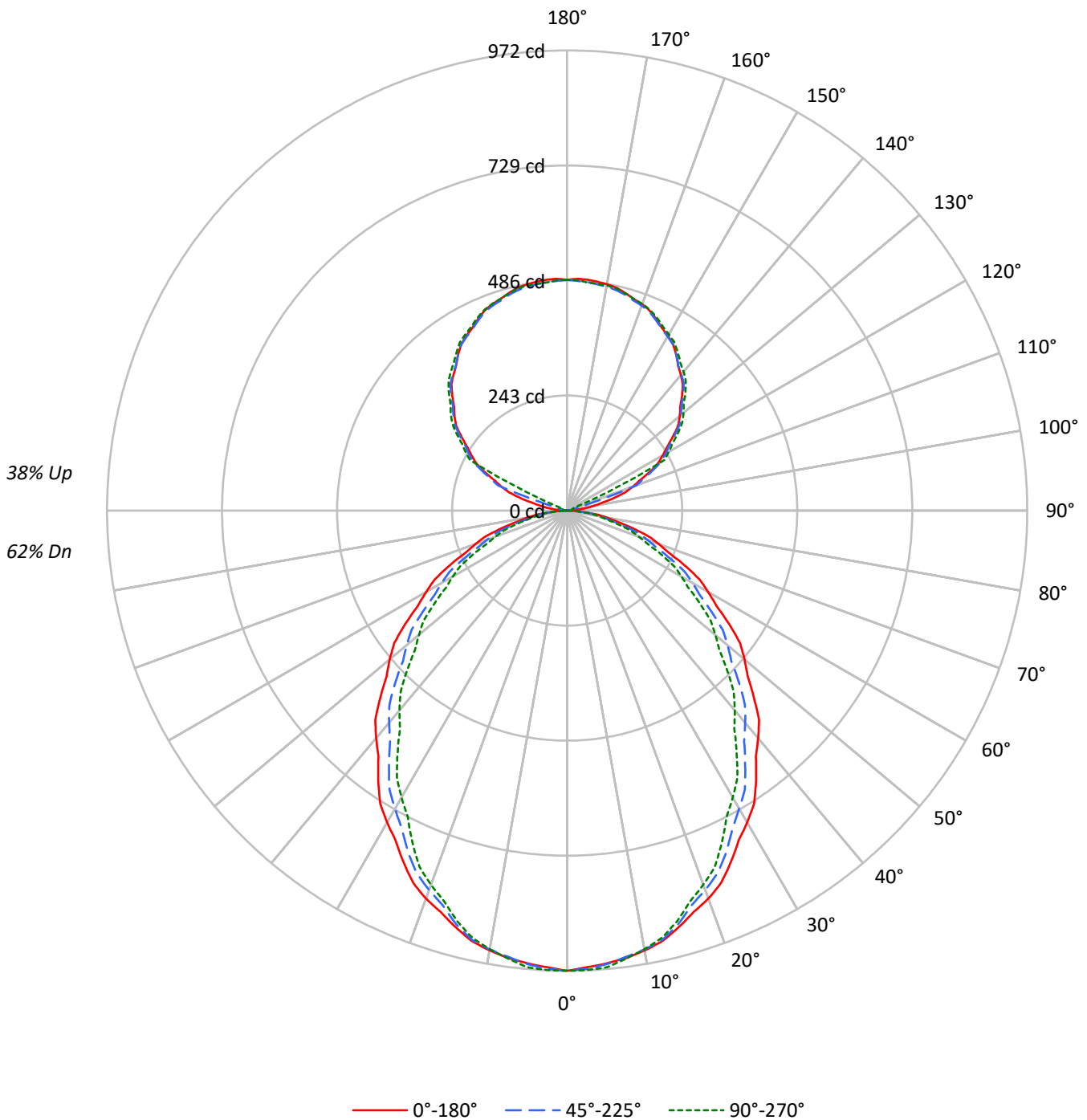
Lumens per Lamp: N/A
Luminaire Lumens: 3655.9 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 26.8
Input Voltage (V): 120
Input Current (Ain): 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°	16930	16930	16930
5°	16786	16812	16930
10°	16690	16651	16639
15°	16427	16319	16185
20°	16168	15809	15588
25°	15734	15290	14861
30°	15297	14623	14070
35°	14797	13942	13276
40°	14265	13301	12523
45°	13732	12631	11789
50°	13250	11979	11072
55°	12657	11299	10397
60°	11980	10656	9722
65°	11255	9936	9050
70°	10460	9136	8189
75°	9516	8264	7416
80°	8506	7242	6720
85°	6535	5955	4916

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13732 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.4	2.5
10°-20°	254.8	7.0
20°-30°	366.4	10.0
30°-40°	411.8	11.3
40°-50°	397.8	10.9
50°-60°	336.1	9.2
60°-70°	241.4	6.6
70°-80°	131.9	3.6
80°-90°	35.1	1.0
90°-100°	8.5	0.2
100°-110°	54.1	1.5
110°-120°	171.7	4.7
120°-130°	249.2	6.8
130°-140°	268.0	7.3
140°-150°	252.3	6.9
150°-160°	205.5	5.6
160°-170°	133.8	3.7
170°-180°	46.2	1.3
0°-30°	712.6	19.5
0°-40°	1124.4	30.8
0°-60°	1858.2	50.8
0°-90°	2266.6	62.0
90°-120°	234.2	6.4
90°-150°	1003.7	27.5
90°-180°	1389.0	38.0
0°-180°	3655.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	972	972	972	972	972	
5°	960	973	962	962	968	91
15°	911	919	905	896	898	257
25°	819	819	796	778	773	377
35°	696	688	656	630	624	435
45°	558	546	513	486	479	431
55°	417	402	372	349	342	373
65°	273	263	241	224	220	271
75°	141	133	123	113	110	151
85°	33	31	30	26	25	39
90°	0	0	0	0	0	2
95°	19	6	6	4	4	25
105°	102	105	11	12	13	107
115°	192	196	198	200	115	189
125°	273	278	278	282	286	244
135°	343	347	347	349	353	265
145°	402	405	402	402	408	251
155°	446	449	444	443	449	206
165°	476	477	472	470	475	134
175°	490	491	484	481	484	47
180°	487	487	487	487	487	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	972.0	972.0	972.0	972.0	972.0
2.5°	965.5	977.1	968.4	969.7	971.4
5°	960.1	973.2	961.6	961.7	968.3
7.5°	953.3	965.6	951.0	948.3	954.4
10°	943.7	956.1	941.5	936.4	940.8
12.5°	931.2	943.0	929.0	920.9	924.7
15°	911.0	919.0	905.0	896.1	897.6
17.5°	889.0	893.9	873.8	866.3	864.8
20°	872.3	876.6	852.9	842.5	841.0
22.5°	850.8	854.6	829.7	816.9	814.8
25°	818.7	819.4	795.6	777.7	773.3
27.5°	785.1	782.7	756.3	735.1	729.4
30°	760.6	757.7	727.1	704.7	699.6
32.5°	734.4	729.2	698.6	674.3	669.2
35°	695.9	687.9	655.7	630.3	624.4
37.5°	654.8	645.8	614.2	586.5	579.9
40°	627.4	617.2	585.0	557.3	550.8
42.5°	600.0	588.7	555.8	528.1	521.0
45°	557.5	545.8	512.8	485.8	478.6
47.5°	517.0	502.1	470.1	443.3	436.0
50°	489.0	473.0	442.1	415.9	408.6
52.5°	460.4	443.8	414.1	389.1	381.8
55°	416.8	401.5	372.1	348.9	342.4
57.5°	373.6	358.9	332.1	309.9	303.5
60°	343.9	331.5	305.9	284.9	279.1
62.5°	315.3	304.1	279.7	260.5	254.7
65°	273.1	263.0	241.1	223.9	219.6
67.5°	232.2	222.0	204.4	188.9	184.0
70°	205.4	195.2	179.4	165.1	160.8
72.5°	179.8	169.0	156.1	143.1	139.9
75°	141.4	132.7	122.8	113.1	110.2
77.5°	107.5	99.0	91.8	85.0	84.3
80°	84.8	77.6	72.2	67.7	67.0
82.5°	63.4	57.9	54.3	51.1	50.9
85°	32.7	30.6	29.8	26.0	24.6
87.5°	9.5	9.5	8.3	7.2	7.2
90°	0.0	0.0	0.0	0.4	0.4
92.5°	5.4	2.0	1.4	2.0	2.0
95°	19.4	5.6	6.0	3.9	3.5
97.5°	40.2	9.0	8.7	9.5	9.9
100°	56.0	18.5	9.5	10.9	11.3
102.5°	73.5	69.6	9.8	11.8	12.4
105°	101.5	105.3	10.6	12.3	13.0
107.5°	128.9	132.7	49.2	12.8	13.5
110°	147.3	151.1	155.7	13.1	13.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	164.5	169.1	172.6	29.0	14.3
115°	192.0	196.1	198.0	200.3	114.9
117.5°	216.3	221.4	223.5	227.5	231.3
120°	233.2	238.0	239.6	243.5	247.7
122.5°	249.9	254.1	255.1	259.6	263.5
125°	272.7	277.5	277.6	282.3	286.1
127.5°	295.5	299.6	299.5	302.9	307.1
130°	310.7	313.5	313.5	316.5	320.9
132.5°	323.4	327.3	327.4	329.7	334.2
135°	343.1	347.3	346.7	348.9	353.4
137.5°	361.7	365.7	364.6	366.4	371.0
140°	373.8	377.2	375.6	377.4	382.6
142.5°	385.1	388.5	386.0	387.6	393.0
145°	401.6	404.7	402.0	402.4	407.6
147.5°	416.4	419.4	416.1	416.5	421.4
150°	425.9	428.7	424.5	425.0	429.8
152.5°	434.4	436.9	432.4	432.3	438.0
155°	446.0	448.8	443.9	443.0	449.2
157.5°	456.6	459.1	454.3	453.6	458.4
160°	463.6	465.4	460.5	459.5	464.3
162.5°	468.4	470.4	465.5	464.0	468.8
165°	475.6	477.0	472.1	470.1	474.9
167.5°	481.8	483.4	477.1	475.3	480.5
170°	485.5	486.5	480.2	477.8	483.0
172.5°	487.7	488.5	482.2	479.5	483.0
175°	489.7	490.7	484.4	481.3	483.7
177.5°	490.1	490.6	485.8	483.1	487.2
180°	487.2	487.2	487.2	487.2	487.2



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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	17.87	18.84	18.72	19.71	20.80	16.77	17.74	17.62	18.61	19.70
	3H	19.53	20.39	20.39	21.27	22.39	18.31	19.17	19.17	20.05	21.17
	4H	20.16	20.98	21.04	21.86	22.99	18.89	19.70	19.76	20.59	21.72
	6H	20.57	21.32	21.46	22.21	23.35	19.26	20.02	20.15	20.91	22.05
	8H	20.72	21.44	21.62	22.35	23.48	19.41	20.12	20.31	21.03	22.17
	12H	20.79	21.48	21.70	22.38	23.55	19.47	20.16	20.38	21.06	22.23
4H	2H	18.29	19.11	19.18	20.00	21.12	17.42	18.24	18.30	19.12	20.25
	3H	20.17	20.85	21.07	21.77	22.91	19.16	19.85	20.06	20.76	21.90
	4H	20.92	21.54	21.83	22.46	23.63	19.84	20.46	20.75	21.38	22.54
	6H	21.45	21.98	22.37	22.92	24.09	20.32	20.86	21.24	21.80	22.97
	8H	21.66	22.16	22.58	23.09	24.27	20.52	21.02	21.44	21.95	23.13
	12H	21.77	22.22	22.71	23.17	24.36	20.61	21.06	21.55	22.01	23.20
8H	4H	21.09	21.59	22.01	22.52	23.70	20.12	20.62	21.05	21.56	22.74
	6H	21.73	22.15	22.68	23.12	24.30	20.73	21.15	21.68	22.12	23.30
	8H	22.02	22.39	22.98	23.36	24.55	21.01	21.37	21.97	22.34	23.54
	12H	22.20	22.53	23.17	23.48	24.73	21.16	21.49	22.12	22.44	23.69
12H	4H	21.07	21.52	22.01	22.47	23.66	20.13	20.58	21.07	21.53	22.72
	6H	21.76	22.13	22.72	23.09	24.29	20.80	21.16	21.75	22.13	23.33
	8H	22.08	22.41	23.05	23.36	24.61	21.11	21.43	22.07	22.39	23.64