

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: P1438649

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438649
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-030D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

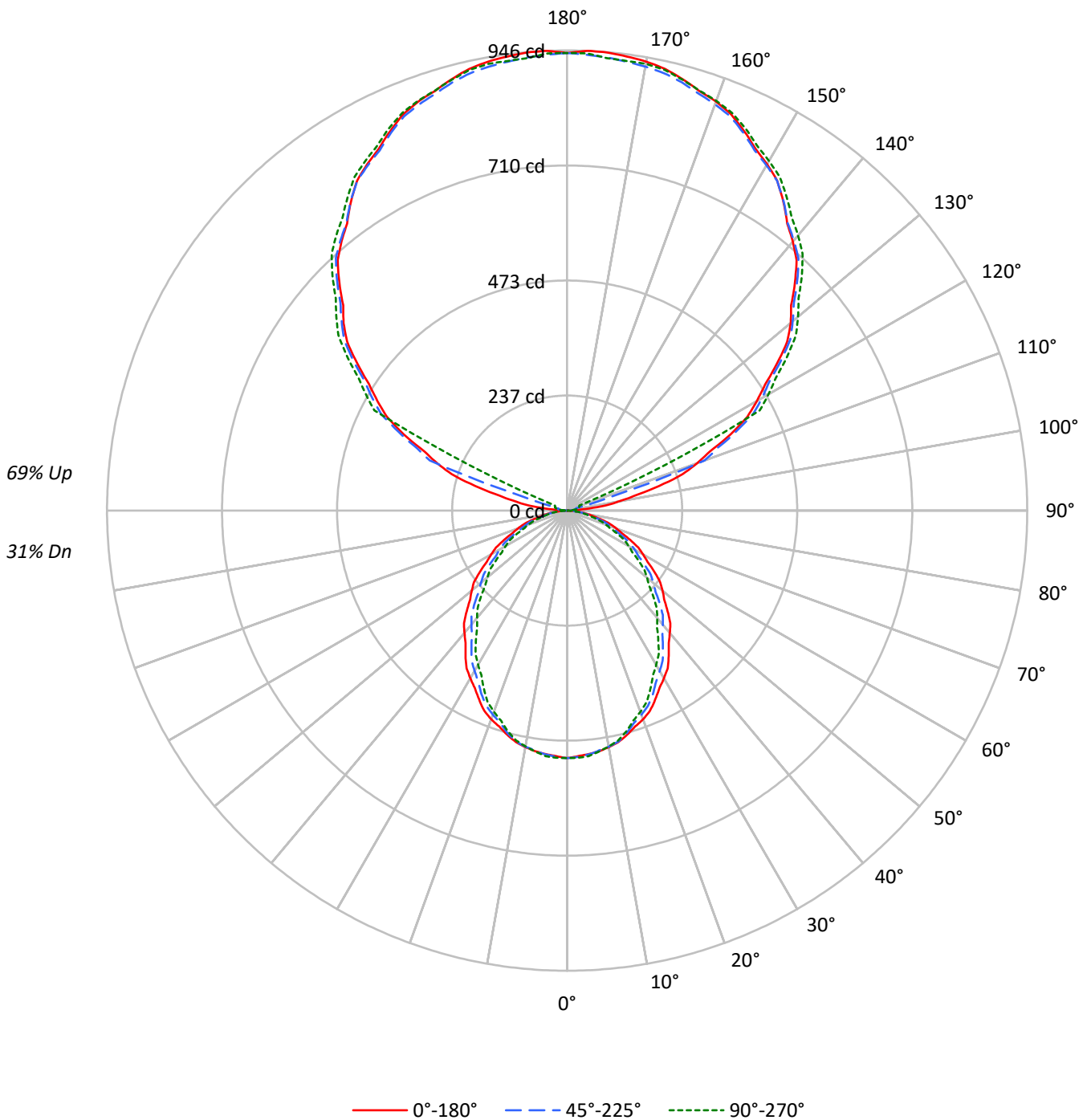
Lumens per Lamp: N/A
Luminaire Lumens: 3868.5 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 25.7
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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	38	38	38	31
1	94	89	86	82	84	80	77	75	64	62	60	48	47	46	34	33	33	26
2	85	78	72	67	76	70	65	61	56	52	50	42	40	38	30	29	28	22
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	36	34	30	28	24	22	20	16
5	65	54	46	41	58	49	42	37	39	34	31	30	27	24	22	20	18	14
6	60	48	41	35	54	44	37	32	35	30	27	27	24	21	20	17	16	12
7	55	44	36	31	50	40	33	28	32	27	23	25	21	19	18	16	14	11
8	51	40	32	27	46	36	29	25	29	24	21	23	19	17	16	14	13	10
9	48	36	29	24	43	33	26	22	27	22	18	21	17	15	15	13	11	9
10	45	33	26	21	40	30	24	20	24	20	17	19	16	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8862	8862	8862
5°	8787	8801	8863
10°	8737	8716	8709
15°	8599	8542	8473
20°	8463	8276	8159
25°	8237	8004	7779
30°	8009	7655	7365
35°	7746	7297	6951
40°	7467	6962	6555
45°	7188	6611	6170
50°	6937	6270	5796
55°	6626	5915	5442
60°	6270	5577	5089
65°	5893	5201	4735
70°	5474	4782	4288
75°	4980	4327	3883
80°	4453	3791	3521
85°	3417	3118	2578

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7188 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	1.2
10°-20°	133.4	3.4
20°-30°	191.8	5.0
30°-40°	215.6	5.6
40°-50°	208.2	5.4
50°-60°	175.9	4.5
60°-70°	126.4	3.3
70°-80°	69.1	1.8
80°-90°	18.4	0.5
90°-100°	16.4	0.4
100°-110°	104.3	2.7
110°-120°	331.5	8.6
120°-130°	481.0	12.4
130°-140°	517.3	13.4
140°-150°	487.1	12.6
150°-160°	396.8	10.3
160°-170°	258.3	6.7
170°-180°	89.3	2.3
0°-30°	373.0	9.6
0°-40°	588.6	15.2
0°-60°	972.7	25.1
0°-90°	1186.5	30.7
90°-120°	452.2	11.7
90°-150°	1937.6	50.1
90°-180°	2682.0	69.3
0°-180°	3868.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	509	509	509	509	509	
5°	503	509	503	503	507	48
15°	477	481	474	469	470	134
25°	429	429	416	407	405	197
35°	364	360	343	330	327	228
45°	292	286	268	254	250	225
55°	218	210	195	183	179	195
65°	143	138	126	117	115	142
75°	74	70	64	59	58	79
85°	17	16	16	14	13	20
90°	0	0	0	1	1	2
95°	37	11	12	8	7	47
105°	196	203	20	24	25	206
115°	371	379	382	387	222	364
125°	526	536	536	545	552	471
135°	662	670	669	674	682	511
145°	775	781	776	777	787	485
155°	861	866	857	855	867	397
165°	918	921	911	908	917	259
175°	945	947	935	929	934	90
180°	941	941	941	941	941	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	508.8	508.8	508.8	508.8	508.8
2.5°	505.4	511.5	506.9	507.6	508.5
5°	502.6	509.4	503.4	503.4	506.9
7.5°	499.0	505.5	497.8	496.4	499.6
10°	494.0	500.5	492.8	490.2	492.4
12.5°	487.5	493.6	486.3	482.1	484.0
15°	476.9	481.1	473.7	469.1	469.9
17.5°	465.3	467.9	457.4	453.5	452.7
20°	456.6	458.9	446.5	441.0	440.2
22.5°	445.4	447.4	434.3	427.6	426.5
25°	428.6	428.9	416.5	407.1	404.8
27.5°	410.9	409.7	395.9	384.8	381.8
30°	398.2	396.6	380.6	368.9	366.2
32.5°	384.5	381.7	365.7	353.0	350.3
35°	364.3	360.1	343.2	329.9	326.9
37.5°	342.8	338.0	321.5	307.0	303.6
40°	328.4	323.1	306.2	291.7	288.3
42.5°	314.1	308.1	290.9	276.4	272.7
45°	291.8	285.7	268.4	254.3	250.5
47.5°	270.6	262.8	246.1	232.0	228.2
50°	256.0	247.6	231.4	217.7	213.9
52.5°	241.0	232.3	216.8	203.7	199.9
55°	218.2	210.2	194.8	182.6	179.2
57.5°	195.6	187.9	173.8	162.2	158.9
60°	180.0	173.5	160.1	149.1	146.1
62.5°	165.0	159.2	146.4	136.4	133.3
65°	143.0	137.6	126.2	117.2	114.9
67.5°	121.6	116.2	107.0	98.9	96.3
70°	107.5	102.2	93.9	86.4	84.2
72.5°	94.1	88.5	81.7	74.9	73.2
75°	74.0	69.5	64.3	59.2	57.7
77.5°	56.3	51.8	48.1	44.5	44.1
80°	44.4	40.6	37.8	35.4	35.1
82.5°	33.2	30.3	28.4	26.7	26.6
85°	17.1	16.0	15.6	13.6	12.9
87.5°	5.0	5.0	4.4	3.9	3.9
90°	0.0	0.0	0.0	0.7	0.7
92.5°	10.3	4.0	2.7	3.9	3.9
95°	37.4	10.8	11.6	7.5	6.8
97.5°	77.7	17.4	16.7	18.4	19.0
100°	108.1	35.7	18.4	21.1	21.8
102.5°	141.9	134.3	18.9	22.7	23.9
105°	195.9	203.2	20.4	23.8	25.2
107.5°	248.9	256.2	94.9	24.7	26.0
110°	284.3	291.6	300.6	25.2	26.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	317.5	326.4	333.3	56.1	27.6
115°	370.7	378.6	382.2	386.6	221.7
117.5°	417.6	427.4	431.5	439.1	446.6
120°	450.2	459.6	462.5	470.1	478.1
122.5°	482.3	490.6	492.4	501.1	508.6
125°	526.4	535.7	535.9	544.9	552.3
127.5°	570.5	578.5	578.1	584.8	592.9
130°	599.9	605.2	605.3	610.9	619.6
132.5°	624.4	631.8	632.0	636.5	645.2
135°	662.4	670.4	669.2	673.5	682.2
137.5°	698.2	705.9	703.8	707.4	716.3
140°	721.6	728.3	725.0	728.6	738.6
142.5°	743.4	750.0	745.1	748.2	758.7
145°	775.3	781.3	776.0	776.9	786.9
147.5°	803.8	809.6	803.2	804.1	813.4
150°	822.3	827.6	819.6	820.4	829.8
152.5°	838.6	843.4	834.8	834.6	845.5
155°	861.0	866.4	857.0	855.2	867.2
157.5°	881.4	886.4	877.0	875.7	885.0
160°	895.0	898.4	888.9	887.1	896.4
162.5°	904.3	908.2	898.7	895.8	905.1
165°	918.2	920.8	911.4	907.5	916.8
167.5°	930.1	933.2	921.0	917.6	927.6
170°	937.2	939.2	927.0	922.5	932.5
172.5°	941.6	943.0	930.8	925.7	932.5
175°	945.4	947.4	935.2	929.2	933.8
177.5°	946.1	947.1	937.9	932.6	940.6
180°	940.6	940.6	940.6	940.6	940.6



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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	12.45	13.16	13.56	14.26	15.79	11.35	12.06	12.46	13.16	14.69
	3H	14.09	14.72	15.21	15.83	17.37	12.87	13.50	13.99	14.61	16.15
	4H	14.71	15.31	15.84	16.42	17.97	13.44	14.03	14.56	15.15	16.69
	6H	15.10	15.65	16.24	16.77	18.33	13.80	14.35	14.94	15.47	17.02
	8H	15.25	15.77	16.39	16.90	18.45	13.94	14.46	15.07	15.59	17.14
	12H	15.32	15.81	16.46	16.94	18.51	13.99	14.49	15.14	15.61	17.19
4H	2H	12.84	13.44	13.98	14.56	16.10	11.97	12.57	13.10	13.68	15.23
	3H	14.70	15.20	15.84	16.34	17.90	13.69	14.19	14.83	15.33	16.89
	4H	15.44	15.90	16.58	17.03	18.60	14.36	14.82	15.50	15.94	17.52
	6H	15.95	16.34	17.10	17.49	19.06	14.82	15.22	15.97	16.37	17.94
	8H	16.15	16.52	17.30	17.66	19.25	15.01	15.38	16.16	16.52	18.10
	12H	16.25	16.58	17.42	17.74	19.33	15.09	15.42	16.26	16.58	18.17
8H	4H	15.58	15.95	16.73	17.09	18.68	14.62	14.99	15.77	16.13	17.71
	6H	16.22	16.52	17.39	17.71	19.29	15.22	15.52	16.39	16.70	18.29
	8H	16.51	16.77	17.68	17.93	19.54	15.49	15.75	16.66	16.92	18.52
	12H	16.67	16.91	17.85	18.07	19.70	15.63	15.86	16.81	17.02	18.66
12H	4H	15.56	15.89	16.72	17.04	18.63	14.61	14.95	15.78	16.10	17.69
	6H	16.25	16.51	17.42	17.67	19.28	15.28	15.54	16.45	16.71	18.31
	8H	16.56	16.79	17.73	17.95	19.58	15.58	15.81	16.76	16.97	18.60