

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: P1439281

Luminaire Tested: CB3-0U-055D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439281  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-0U-055D-927-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE  
3-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

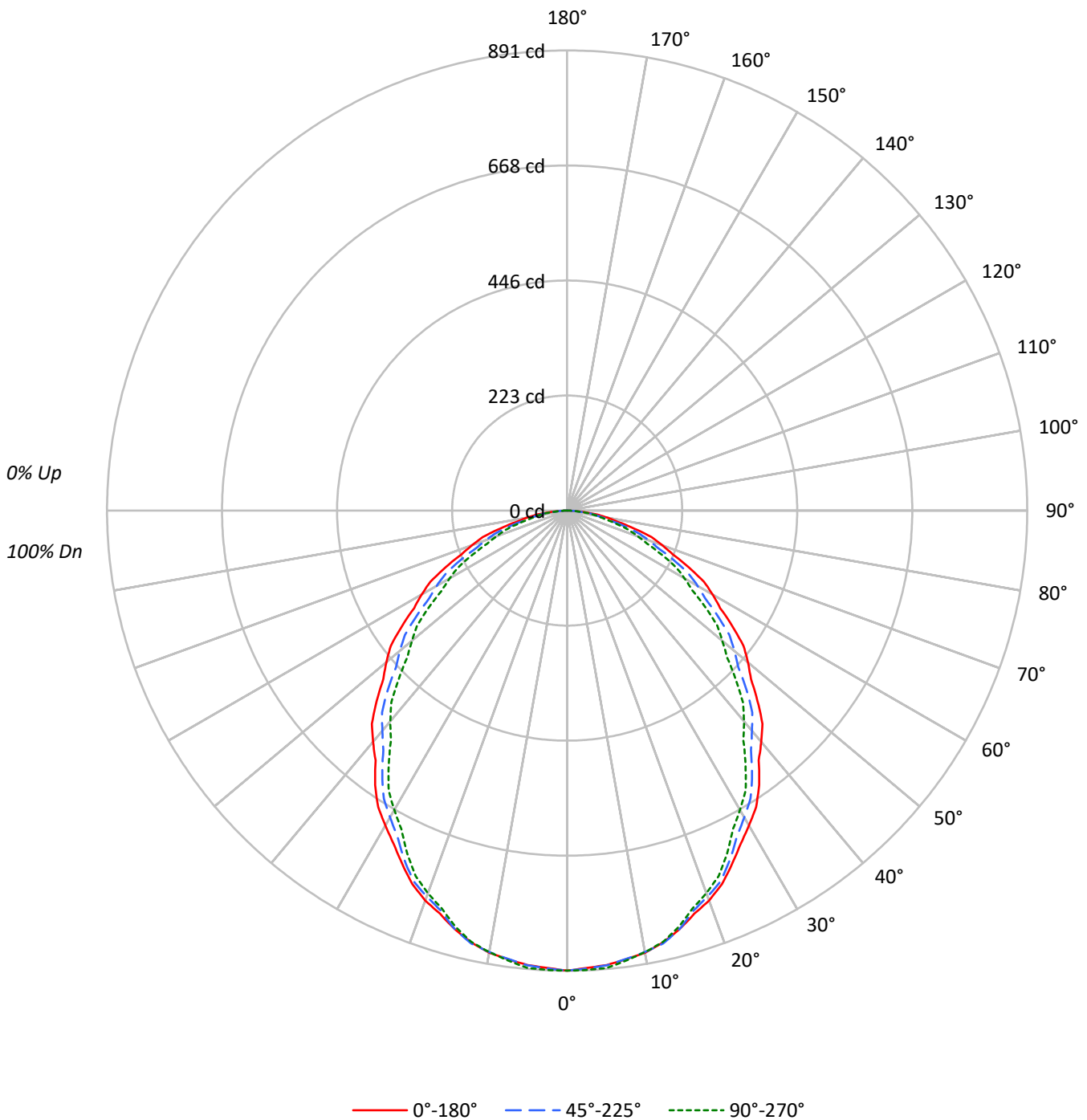
Lumens per Lamp: N/A  
Luminaire Lumens: 2132.6 lumens  
Efficiency: N/A  
Efficacy: 126.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 16.8  
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	72	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	78	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

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

	0°	45°	90°
0°	10079	10079	10079
5°	10031	10038	10096
10°	9986	9973	9973
15°	9834	9834	9774
20°	9674	9575	9492
25°	9431	9312	9146
30°	9199	8960	8744
35°	8957	8625	8319
40°	8635	8223	7868
45°	8341	7866	7380
50°	8041	7439	6904
55°	7713	7027	6452
60°	7359	6599	5940
65°	6945	6115	5403
70°	6467	5544	4813
75°	5862	4866	4289
80°	5108	4079	3792
85°	3947	3453	3453

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8341 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.0	3.9
10°-20°	236.1	11.1
20°-30°	343.0	16.1
30°-40°	390.0	18.3
40°-50°	378.6	17.8
50°-60°	319.7	15.0
60°-70°	227.4	10.7
70°-80°	121.5	5.7
80°-90°	32.1	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	663.2	31.1
0°-40°	1053.2	49.4
0°-60°	1751.5	82.1
0°-90°	2132.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2132.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	891	891	891	891	891	
5°	883	894	884	883	889	84
15°	840	847	840	834	834	236
25°	755	758	746	736	733	348
35°	648	642	624	606	602	404
45°	521	513	492	468	461	402
55°	391	380	356	333	327	350
65°	259	250	228	208	202	257
75°	134	127	111	100	98	143
85°	30	28	27	27	27	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	890.8	890.8	890.8	890.8	890.8
2.5°	886.2	895.1	887.2	888.3	890.2
5°	883.2	894.3	883.8	882.7	888.9
7.5°	876.3	886.5	875.6	873.0	878.6
10°	869.2	880.4	868.0	864.9	868.0
12.5°	856.6	868.2	858.4	853.2	855.8
15°	839.5	846.9	839.5	834.4	834.4
17.5°	818.6	826.4	812.4	808.9	807.5
20°	803.4	810.3	795.2	790.1	788.3
22.5°	783.2	789.5	777.0	768.3	766.0
25°	755.4	757.8	745.9	735.7	732.6
27.5°	727.4	728.0	711.6	699.2	695.1
30°	704.1	704.7	685.8	672.4	669.3
32.5°	680.8	679.0	661.0	645.1	643.0
35°	648.5	642.3	624.4	606.0	602.3
37.5°	609.4	605.6	584.6	566.1	560.5
40°	584.6	578.4	556.7	538.2	532.7
42.5°	559.8	552.6	530.4	509.9	503.8
45°	521.3	513.3	491.6	468.0	461.2
47.5°	482.6	473.8	449.9	427.1	419.6
50°	456.8	447.5	422.6	400.3	392.2
52.5°	430.4	420.7	395.8	373.0	366.4
55°	391.0	380.5	356.2	333.3	327.1
57.5°	351.5	341.1	317.0	295.3	287.8
60°	325.2	315.3	291.6	270.0	262.5
62.5°	298.4	288.9	265.8	244.7	237.7
65°	259.4	250.1	228.4	208.0	201.8
67.5°	220.8	212.9	191.4	172.7	167.8
70°	195.5	188.1	167.6	150.5	145.5
72.5°	171.2	163.3	143.9	129.2	125.8
75°	134.1	126.7	111.3	99.9	98.1
77.5°	100.2	94.1	80.9	74.4	73.4
80°	78.4	72.9	62.6	58.2	58.2
82.5°	58.2	53.6	46.9	45.0	45.0
85°	30.4	27.9	26.6	26.6	26.6
87.5°	9.1	9.1	8.6	8.1	8.1
90°	0.0	0.0	0.0	0.0	0.0

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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	19.02	20.61	19.39	20.92	21.23	17.95	19.53	18.31	19.84	20.16
	3H	20.74	22.17	21.12	22.49	22.85	19.41	20.83	19.79	21.16	21.52
	4H	21.40	22.74	21.80	23.09	23.47	19.96	21.30	20.36	21.65	22.02
	6H	21.82	23.06	22.23	23.43	23.82	20.31	21.55	20.72	21.92	22.31
	8H	21.98	23.16	22.40	23.55	23.95	20.45	21.63	20.88	22.02	22.42
	12H	22.07	23.20	22.50	23.58	24.01	20.55	21.68	20.98	22.06	22.49
4H	2H	19.51	20.85	19.91	21.20	21.58	18.65	19.99	19.05	20.34	20.72
	3H	21.46	22.58	21.87	22.98	23.38	20.33	21.45	20.74	21.85	22.25
	4H	22.24	23.25	22.67	23.66	24.10	20.97	21.98	21.40	22.39	22.83
	6H	22.78	23.66	23.24	24.10	24.56	21.42	22.30	21.88	22.74	23.20
	8H	22.99	23.81	23.45	24.25	24.72	21.61	22.43	22.07	22.87	23.34
	12H	23.12	23.86	23.60	24.33	24.80	21.74	22.48	22.23	22.96	23.43
8H	4H	22.42	23.25	22.89	23.69	24.15	21.28	22.11	21.75	22.55	23.02
	6H	23.07	23.75	23.57	24.24	24.72	21.84	22.52	22.34	23.01	23.49
	8H	23.35	23.96	23.86	24.47	24.96	22.10	22.71	22.61	23.22	23.70
	12H	23.55	24.09	24.06	24.58	25.14	22.31	22.85	22.82	23.34	23.90
12H	4H	22.43	23.17	22.91	23.64	24.11	21.32	22.06	21.80	22.53	23.00
	6H	23.09	23.70	23.60	24.21	24.70	21.90	22.52	22.41	23.02	23.51
	8H	23.42	23.96	23.93	24.46	25.02	22.22	22.76	22.73	23.25	23.81