

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: P1439276

Luminaire Tested: CB3-0U-030D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439276
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-030D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
DIRECT ONLY
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

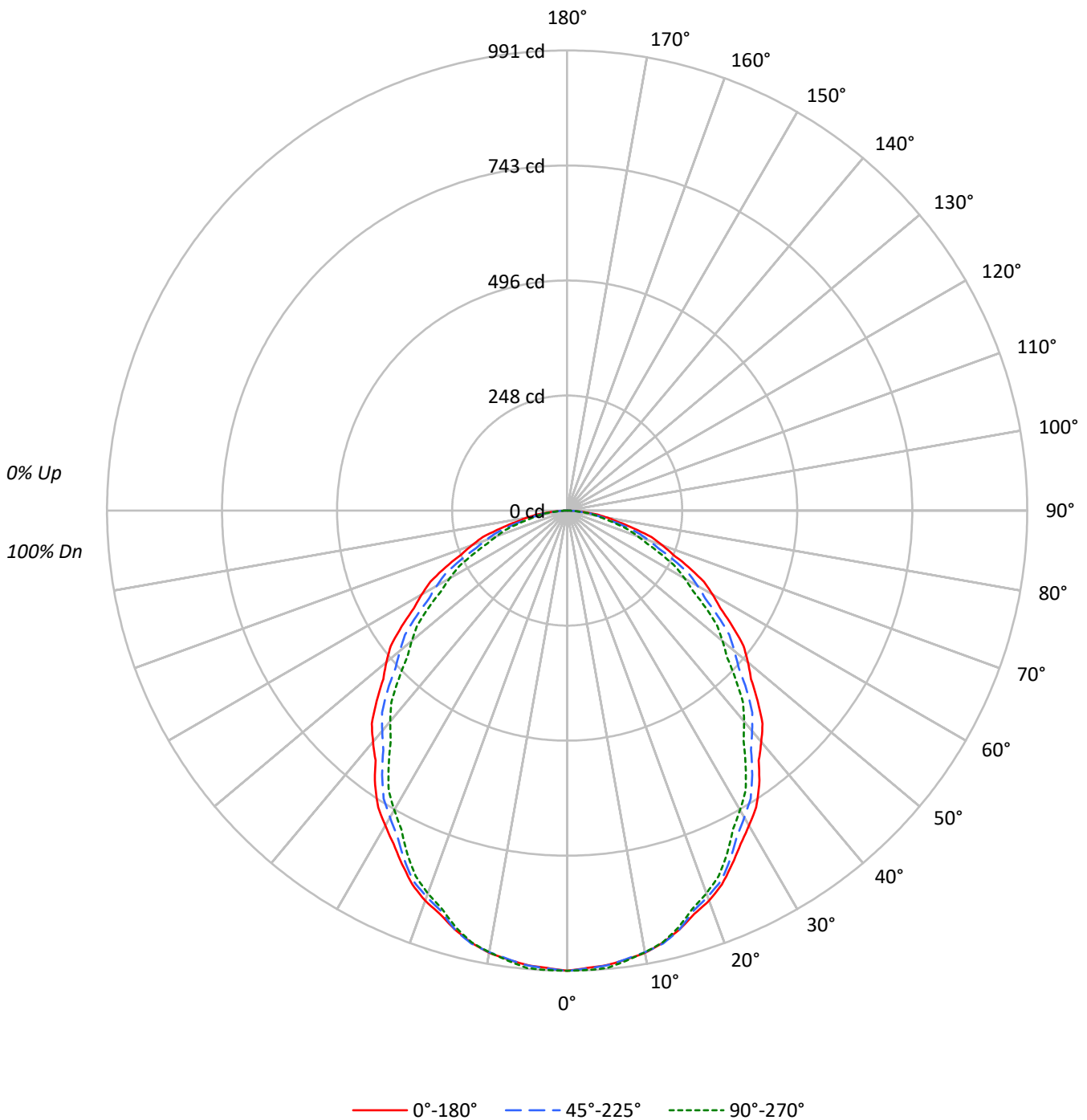
Lumens per Lamp: N/A
Luminaire Lumens: 2372.8 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 16.6
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

TEST NUMBER: P1439276

CATALOG NUMBER: CB3-OU-030D-930-1D-UNV-STD-W-8

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5607	5607	5607
5°	5580	5584	5616
10°	5556	5548	5548
15°	5471	5471	5438
20°	5382	5327	5280
25°	5247	5180	5088
30°	5118	4984	4865
35°	4983	4798	4628
40°	4803	4574	4377
45°	4640	4376	4105
50°	4473	4138	3841
55°	4290	3909	3589
60°	4094	3672	3305
65°	3863	3401	3005
70°	3598	3085	2678
75°	3261	2708	2385
80°	2844	2271	2111
85°	2194	1921	1921

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4640 cd/sqm



TEST NUMBER: P1439276

CATALOG NUMBER: CB3-OU-030D-930-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.5	3.9
10°-20°	262.7	11.1
20°-30°	381.7	16.1
30°-40°	434.0	18.3
40°-50°	421.3	17.8
50°-60°	355.7	15.0
60°-70°	253.1	10.7
70°-80°	135.2	5.7
80°-90°	35.7	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°	737.9	31.1
0°-40°	1171.9	49.4
0°-60°	1948.8	82.1
0°-90°	2372.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2372.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	991	991	991	991	991	
5°	983	995	983	982	989	93
15°	934	942	934	928	928	263
25°	840	843	830	819	815	387
35°	722	715	695	674	670	450
45°	580	571	547	521	513	447
55°	435	423	396	371	364	389
65°	289	278	254	231	224	286
75°	149	141	124	111	109	159
85°	34	31	30	30	30	41
90°	0	0	0	0	0	

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CATALOG NUMBER: CB3-OU-030D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	991.1	991.1	991.1	991.1	991.1
2.5°	986.0	995.9	987.1	988.3	990.5
5°	982.6	995.0	983.3	982.1	989.0
7.5°	975.0	986.3	974.2	971.4	977.6
10°	967.2	979.5	965.7	962.3	965.7
12.5°	953.1	966.0	955.1	949.3	952.2
15°	934.1	942.3	934.1	928.4	928.4
17.5°	910.8	919.5	903.9	900.0	898.5
20°	894.0	901.5	884.8	879.1	877.1
22.5°	871.4	878.4	864.5	854.9	852.3
25°	840.5	843.2	829.9	818.6	815.1
27.5°	809.3	810.0	791.7	778.0	773.4
30°	783.4	784.1	763.0	748.2	744.7
32.5°	757.5	755.5	735.4	717.8	715.4
35°	721.5	714.6	694.7	674.2	670.1
37.5°	678.0	673.9	650.4	629.8	623.7
40°	650.4	643.5	619.4	598.9	592.7
42.5°	622.8	614.8	590.1	567.3	560.6
45°	580.0	571.1	546.9	520.7	513.1
47.5°	536.9	527.2	500.6	475.2	466.8
50°	508.2	497.9	470.2	445.4	436.4
52.5°	478.9	468.1	440.4	415.0	407.7
55°	435.0	423.3	396.3	370.8	363.9
57.5°	391.1	379.5	352.7	328.5	320.3
60°	361.8	350.8	324.5	300.4	292.1
62.5°	332.0	321.5	295.8	272.2	264.5
65°	288.6	278.3	254.1	231.4	224.5
67.5°	245.7	236.9	213.0	192.2	186.7
70°	217.5	209.2	186.5	167.4	161.9
72.5°	190.5	181.7	160.1	143.8	139.9
75°	149.2	141.0	123.9	111.2	109.1
77.5°	111.5	104.8	90.0	82.8	81.7
80°	87.3	81.1	69.7	64.8	64.8
82.5°	64.8	59.7	52.2	50.1	50.1
85°	33.8	31.0	29.6	29.6	29.6
87.5°	10.1	10.1	9.6	9.0	9.0
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	16.99	18.57	17.35	18.88	19.20	15.91	17.49	16.27	17.80	18.12
	3H	18.70	20.13	19.08	20.45	20.82	17.37	18.80	17.75	19.12	19.48
	4H	19.36	20.70	19.76	21.05	21.43	17.92	19.26	18.32	19.61	19.98
	6H	19.78	21.02	20.20	21.39	21.78	18.27	19.51	18.68	19.88	20.27
	8H	19.94	21.12	20.37	21.51	21.91	18.42	19.60	18.84	19.99	20.39
	12H	20.03	21.16	20.46	21.55	21.97	18.51	19.65	18.94	20.03	20.46
4H	2H	17.48	18.81	17.87	19.16	19.54	16.62	17.96	17.02	18.30	18.68
	3H	19.43	20.54	19.84	20.94	21.34	18.30	19.41	18.71	19.81	20.21
	4H	20.20	21.21	20.64	21.63	22.06	18.93	19.94	19.36	20.35	20.79
	6H	20.74	21.62	21.20	22.06	22.52	19.38	20.26	19.84	20.70	21.16
	8H	20.95	21.77	21.41	22.22	22.68	19.57	20.39	20.03	20.83	21.30
	12H	21.08	21.82	21.56	22.30	22.77	19.71	20.44	20.19	20.92	21.39
8H	4H	20.39	21.21	20.85	21.65	22.12	19.25	20.07	19.71	20.51	20.98
	6H	21.03	21.72	21.53	22.20	22.68	19.80	20.49	20.30	20.98	21.45
	8H	21.32	21.93	21.83	22.43	22.92	20.06	20.67	20.57	21.18	21.67
	12H	21.51	22.05	22.02	22.54	23.11	20.27	20.81	20.78	21.30	21.87
12H	4H	20.39	21.13	20.87	21.61	22.08	19.28	20.02	19.76	20.50	20.97
	6H	21.05	21.67	21.57	22.18	22.66	19.87	20.48	20.38	20.99	21.47
	8H	21.39	21.93	21.90	22.42	22.98	20.18	20.72	20.69	21.21	21.78