

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: P1439274

Luminaire Tested: CB3-0U-030D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439274
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-927-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
DIRECT ONLY
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

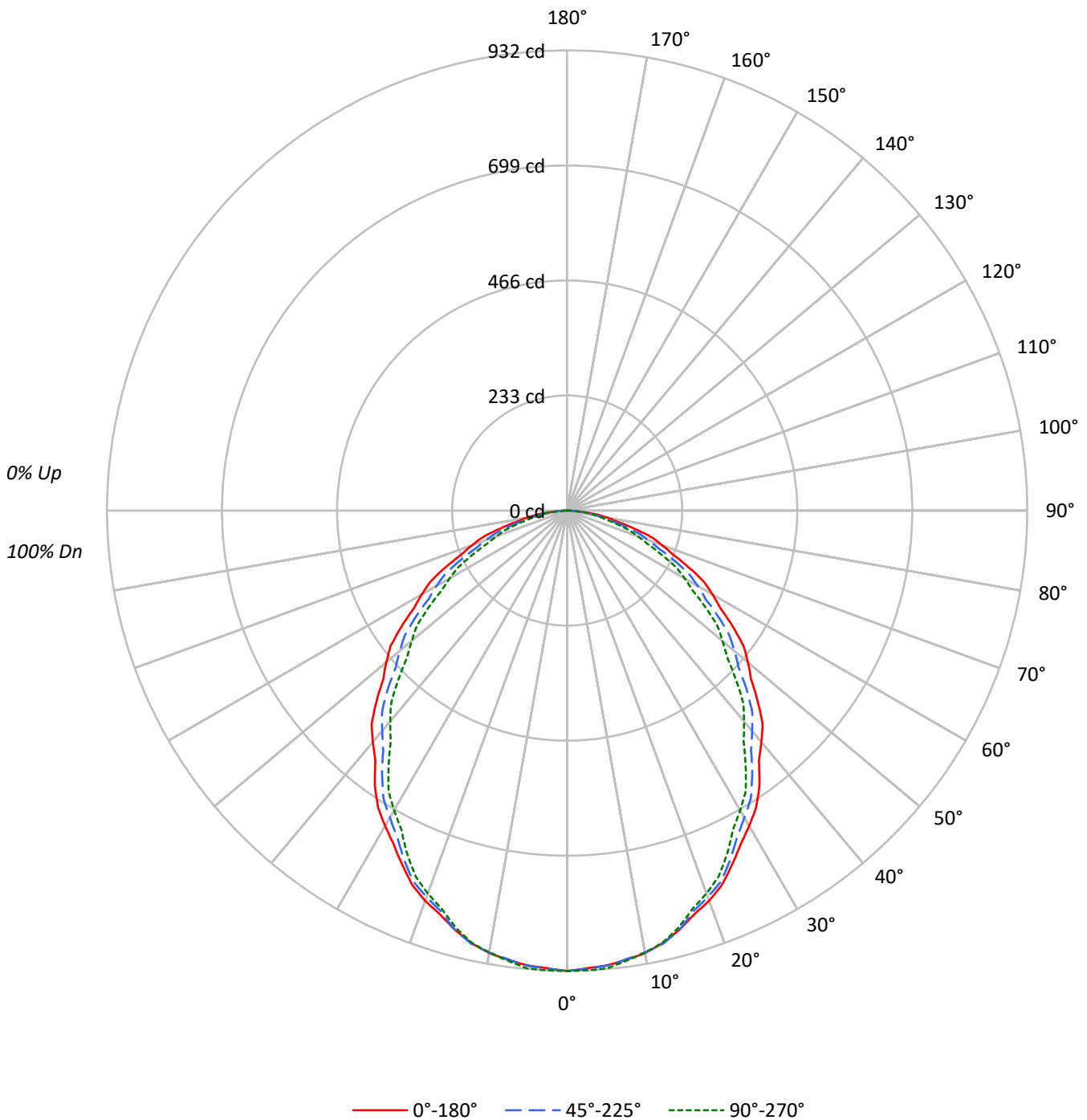
Lumens per Lamp: N/A
Luminaire Lumens: 2232.6 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Direct

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: P1439274

CATALOG NUMBER: CB3-OU-030D-927-1D-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	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°	5275	5275	5275
5°	5251	5255	5285
10°	5228	5220	5220
15°	5148	5148	5117
20°	5064	5012	4968
25°	4936	4874	4788
30°	4816	4690	4577
35°	4689	4515	4354
40°	4520	4304	4119
45°	4367	4117	3863
50°	4209	3894	3614
55°	4037	3678	3377
60°	3851	3454	3110
65°	3636	3201	2829
70°	3386	2903	2519
75°	3069	2549	2245
80°	2675	2137	1984
85°	2064	1805	1805

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4367 cd/sqm



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CATALOG NUMBER: CB3-OU-030D-927-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.0	3.9
10°-20°	247.2	11.1
20°-30°	359.1	16.1
30°-40°	408.3	18.3
40°-50°	396.4	17.8
50°-60°	334.7	15.0
60°-70°	238.1	10.7
70°-80°	127.2	5.7
80°-90°	33.6	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°	694.3	31.1
0°-40°	1102.7	49.4
0°-60°	1833.7	82.1
0°-90°	2232.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2232.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	932	932	932	932	932	
5°	925	936	925	924	931	88
15°	879	887	879	874	874	248
25°	791	793	781	770	767	364
35°	679	672	654	634	630	423
45°	546	537	515	490	483	421
55°	409	398	373	349	342	366
65°	272	262	239	218	211	269
75°	140	133	117	105	103	150
85°	32	29	28	28	28	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	932.5	932.5	932.5	932.5	932.5
2.5°	927.8	937.1	928.8	929.9	932.0
5°	924.6	936.3	925.3	924.1	930.6
7.5°	917.4	928.1	916.6	914.0	919.8
10°	910.0	921.7	908.7	905.5	908.7
12.5°	896.8	909.0	898.6	893.3	896.0
15°	878.9	886.7	878.9	873.6	873.6
17.5°	857.0	865.2	850.6	846.8	845.4
20°	841.1	848.3	832.5	827.2	825.2
22.5°	820.0	826.6	813.5	804.4	801.9
25°	790.8	793.4	780.9	770.2	767.0
27.5°	761.5	762.2	745.0	732.0	727.8
30°	737.2	737.8	718.0	704.0	700.7
32.5°	712.8	710.8	692.0	675.4	673.2
35°	678.9	672.4	653.7	634.4	630.5
37.5°	637.9	634.1	612.0	592.6	586.8
40°	612.0	605.5	582.8	563.5	557.7
42.5°	586.0	578.5	555.3	533.8	527.5
45°	545.8	537.3	514.6	490.0	482.8
47.5°	505.2	496.0	471.0	447.2	439.3
50°	478.2	468.5	442.4	419.1	410.6
52.5°	450.6	440.4	414.3	390.5	383.6
55°	409.3	398.3	372.9	348.9	342.4
57.5°	368.0	357.1	331.8	309.1	301.4
60°	340.4	330.1	305.3	282.6	274.9
62.5°	312.3	302.5	278.3	256.2	248.9
65°	271.6	261.8	239.1	217.8	211.3
67.5°	231.1	222.9	200.4	180.8	175.6
70°	204.7	196.9	175.5	157.5	152.3
72.5°	179.2	170.9	150.6	135.3	131.7
75°	140.4	132.6	116.6	104.6	102.7
77.5°	104.9	98.6	84.6	77.9	76.8
80°	82.1	76.3	65.6	60.9	60.9
82.5°	60.9	56.1	49.1	47.2	47.2
85°	31.8	29.2	27.8	27.8	27.8
87.5°	9.5	9.5	9.0	8.5	8.5
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	16.78	18.36	17.14	18.67	18.98	15.70	17.28	16.06	17.59	17.91
	3H	18.49	19.92	18.87	20.24	20.60	17.16	18.58	17.54	18.91	19.27
	4H	19.15	20.49	19.55	20.84	21.22	17.71	19.05	18.11	19.40	19.77
	6H	19.57	20.81	19.98	21.18	21.57	18.06	19.30	18.47	19.67	20.06
	8H	19.73	20.91	20.15	21.30	21.70	18.20	19.39	18.63	19.77	20.17
	12H	19.82	20.95	20.25	21.33	21.76	18.30	19.43	18.73	19.82	20.24
4H	2H	17.26	18.60	17.66	18.95	19.33	16.41	17.74	16.80	18.09	18.47
	3H	19.22	20.33	19.63	20.73	21.13	18.09	19.20	18.50	19.60	20.00
	4H	19.99	21.00	20.42	21.41	21.85	18.72	19.73	19.15	20.14	20.58
	6H	20.53	21.41	20.99	21.85	22.31	19.17	20.05	19.63	20.49	20.95
	8H	20.74	21.56	21.20	22.00	22.47	19.36	20.18	19.82	20.62	21.09
	12H	20.87	21.61	21.35	22.08	22.55	19.50	20.23	19.98	20.71	21.18
8H	4H	20.17	21.00	20.64	21.44	21.91	19.04	19.86	19.50	20.30	20.77
	6H	20.82	21.50	21.32	21.99	22.47	19.59	20.27	20.09	20.76	21.24
	8H	21.10	21.71	21.61	22.22	22.71	19.85	20.46	20.36	20.97	21.46
	12H	21.30	21.84	21.81	22.33	22.89	20.06	20.60	20.57	21.09	21.65
12H	4H	20.18	20.92	20.66	21.39	21.86	19.07	19.81	19.55	20.28	20.75
	6H	20.84	21.46	21.35	21.96	22.45	19.65	20.27	20.16	20.77	21.26
	8H	21.18	21.72	21.68	22.21	22.77	19.97	20.51	20.48	21.00	21.56