

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: P1439304

Luminaire Tested: CB3-0U-120D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439304
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-120D-940-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
DIRECT ONLY
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

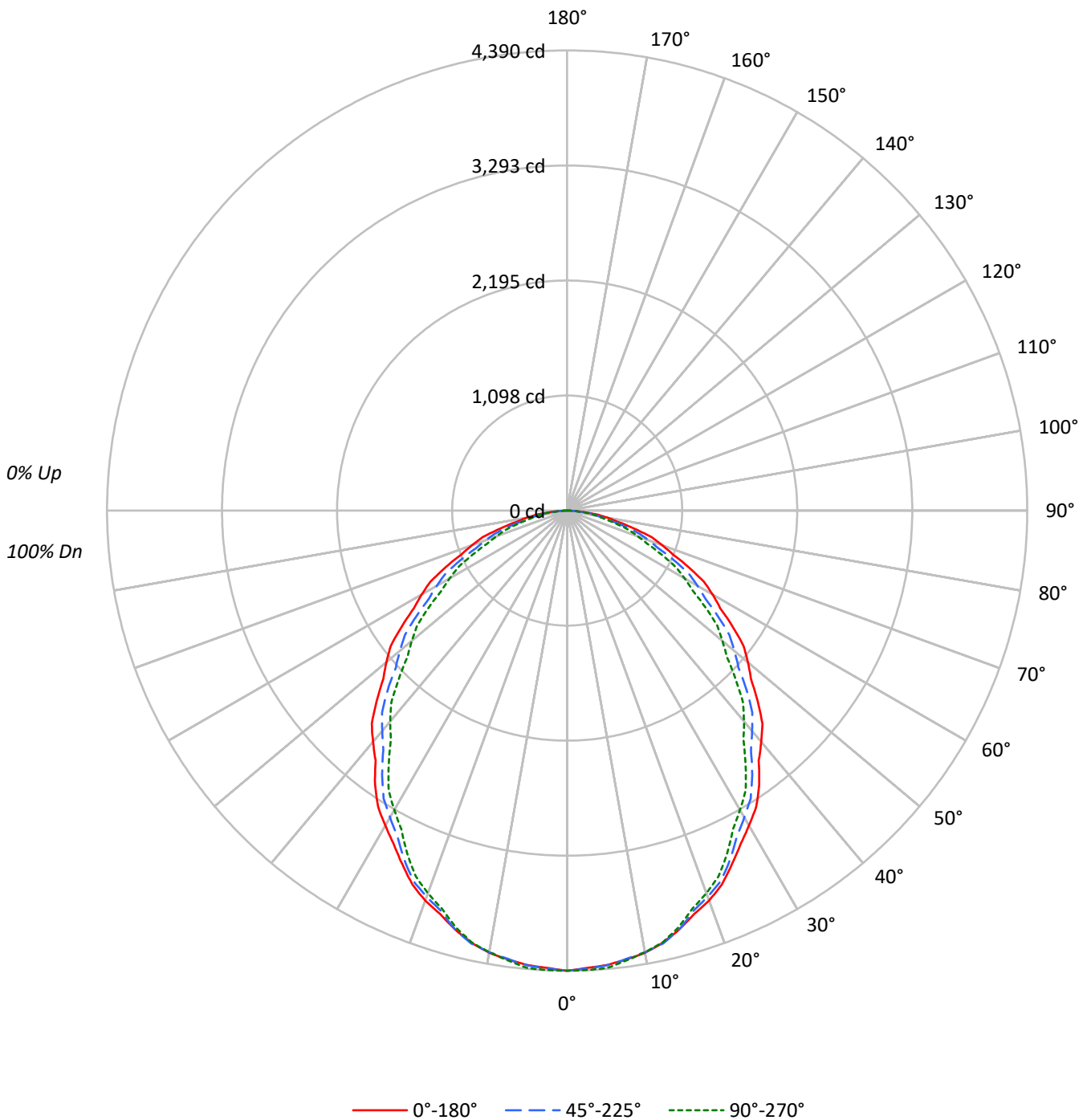
Lumens per Lamp: N/A
Luminaire Lumens: 10509.7 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 76.7
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	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°	24834	24834	24834
5°	24717	24734	24876
10°	24609	24572	24572
15°	24232	24232	24085
20°	23838	23594	23387
25°	23237	22945	22537
30°	22668	22077	21548
35°	22070	21252	20499
40°	21275	20262	19387
45°	20554	19381	18184
50°	19811	18330	17013
55°	19004	17313	15898
60°	18132	16262	14640
65°	17112	15066	13314
70°	15935	13666	11861
75°	14448	11994	10564
80°	12595	10057	9344
85°	9717	8497	8497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20554 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.2	3.9
10°-20°	1163.6	11.1
20°-30°	1690.6	16.1
30°-40°	1922.1	18.3
40°-50°	1865.9	17.8
50°-60°	1575.4	15.0
60°-70°	1120.8	10.7
70°-80°	598.9	5.7
80°-90°	158.2	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°	3268.4	31.1
0°-40°	5190.5	49.4
0°-60°	8631.8	82.1
0°-90°	10509.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10509.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4390	4390	4390	4390	4390	
5°	4352	4407	4356	4350	4380	413
15°	4137	4174	4137	4112	4112	1165
25°	3723	3735	3676	3626	3610	1715
35°	3196	3165	3077	2986	2968	1991
45°	2569	2529	2422	2306	2273	1982
55°	1927	1875	1755	1642	1612	1723
65°	1278	1232	1126	1025	995	1266
75°	661	624	549	492	483	705
85°	150	138	131	131	131	183
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4389.8	4389.8	4389.8	4389.8	4389.8
2.5°	4367.3	4411.2	4372.3	4377.5	4387.3
5°	4352.4	4407.2	4355.5	4350.0	4380.4
7.5°	4318.7	4368.7	4315.0	4302.5	4329.9
10°	4283.8	4338.7	4277.5	4262.3	4277.5
12.5°	4221.4	4278.7	4230.2	4204.9	4217.7
15°	4137.3	4173.8	4137.3	4112.3	4112.3
17.5°	4034.4	4072.8	4003.8	3986.2	3979.5
20°	3959.5	3993.1	3919.0	3893.9	3884.7
22.5°	3859.8	3890.9	3829.2	3786.6	3775.0
25°	3722.6	3734.8	3675.8	3625.6	3610.4
27.5°	3584.8	3587.8	3506.8	3445.9	3425.8
30°	3470.1	3473.1	3379.6	3313.8	3298.6
32.5°	3355.3	3346.2	3257.4	3179.2	3168.9
35°	3195.7	3165.2	3077.2	2986.4	2968.1
37.5°	3003.0	2984.7	2880.8	2789.8	2762.3
40°	2880.8	2850.3	2743.6	2652.6	2625.1
42.5°	2758.6	2723.2	2613.9	2512.8	2483.0
45°	2569.0	2529.4	2422.5	2306.4	2272.8
47.5°	2378.2	2334.9	2217.3	2104.9	2067.7
50°	2251.0	2205.3	2082.7	1972.6	1933.0
52.5°	2121.3	2073.1	1950.5	1838.1	1805.8
55°	1926.8	1874.9	1755.3	1642.4	1611.9
57.5°	1732.2	1681.0	1562.0	1455.2	1418.6
60°	1602.5	1553.7	1437.3	1330.4	1293.9
62.5°	1470.3	1424.0	1310.1	1205.8	1171.6
65°	1278.3	1232.5	1125.5	1025.0	994.6
67.5°	1088.1	1049.1	943.4	851.2	826.8
70°	963.4	926.8	826.2	741.5	717.1
72.5°	843.7	804.6	709.0	636.9	619.8
75°	661.0	624.4	548.7	492.4	483.3
77.5°	493.9	464.0	398.4	366.5	361.7
80°	386.6	359.2	308.7	286.8	286.8
82.5°	286.8	264.3	231.3	222.0	222.0
85°	149.7	137.5	130.9	130.9	130.9
87.5°	44.9	44.9	42.4	39.9	39.9
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	22.16	23.74	22.52	24.05	24.37	21.08	22.66	21.44	22.97	23.29
	3H	23.87	25.30	24.25	25.63	25.99	22.54	23.97	22.92	24.29	24.65
	4H	24.54	25.87	24.93	26.22	26.60	23.09	24.43	23.49	24.78	25.16
	6H	24.96	26.19	25.37	26.56	26.95	23.44	24.68	23.85	25.05	25.44
	8H	25.11	26.29	25.54	26.68	27.08	23.59	24.77	24.01	25.16	25.56
	12H	25.20	26.33	25.63	26.72	27.14	23.68	24.82	24.11	25.20	25.63
4H	2H	22.65	23.99	23.05	24.33	24.71	21.79	23.13	22.19	23.47	23.85
	3H	24.60	25.71	25.01	26.11	26.51	23.47	24.59	23.88	24.98	25.38
	4H	25.37	26.38	25.81	26.80	27.23	24.10	25.11	24.53	25.52	25.96
	6H	25.91	26.79	26.37	27.24	27.69	24.55	25.43	25.01	25.87	26.33
	8H	26.12	26.94	26.58	27.39	27.85	24.74	25.56	25.20	26.00	26.47
	12H	26.25	26.99	26.73	27.47	27.94	24.88	25.61	25.36	26.09	26.56
8H	4H	25.56	26.38	26.02	26.82	27.29	24.42	25.24	24.88	25.68	26.15
	6H	26.20	26.89	26.70	27.37	27.85	24.97	25.66	25.47	26.15	26.62
	8H	26.49	27.10	27.00	27.60	28.09	25.23	25.84	25.74	26.35	26.84
	12H	26.68	27.22	27.19	27.71	28.28	25.44	25.98	25.95	26.47	27.03
12H	4H	25.56	26.30	26.04	26.78	27.25	24.45	25.19	24.93	25.67	26.14
	6H	26.23	26.84	26.74	27.35	27.83	25.04	25.65	25.55	26.16	26.64
	8H	26.56	27.10	27.07	27.59	28.15	25.35	25.89	25.86	26.38	26.95