

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: P1439289

Luminaire Tested: CB3-0U-085D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439289
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-085D-927-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
DIRECT ONLY
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

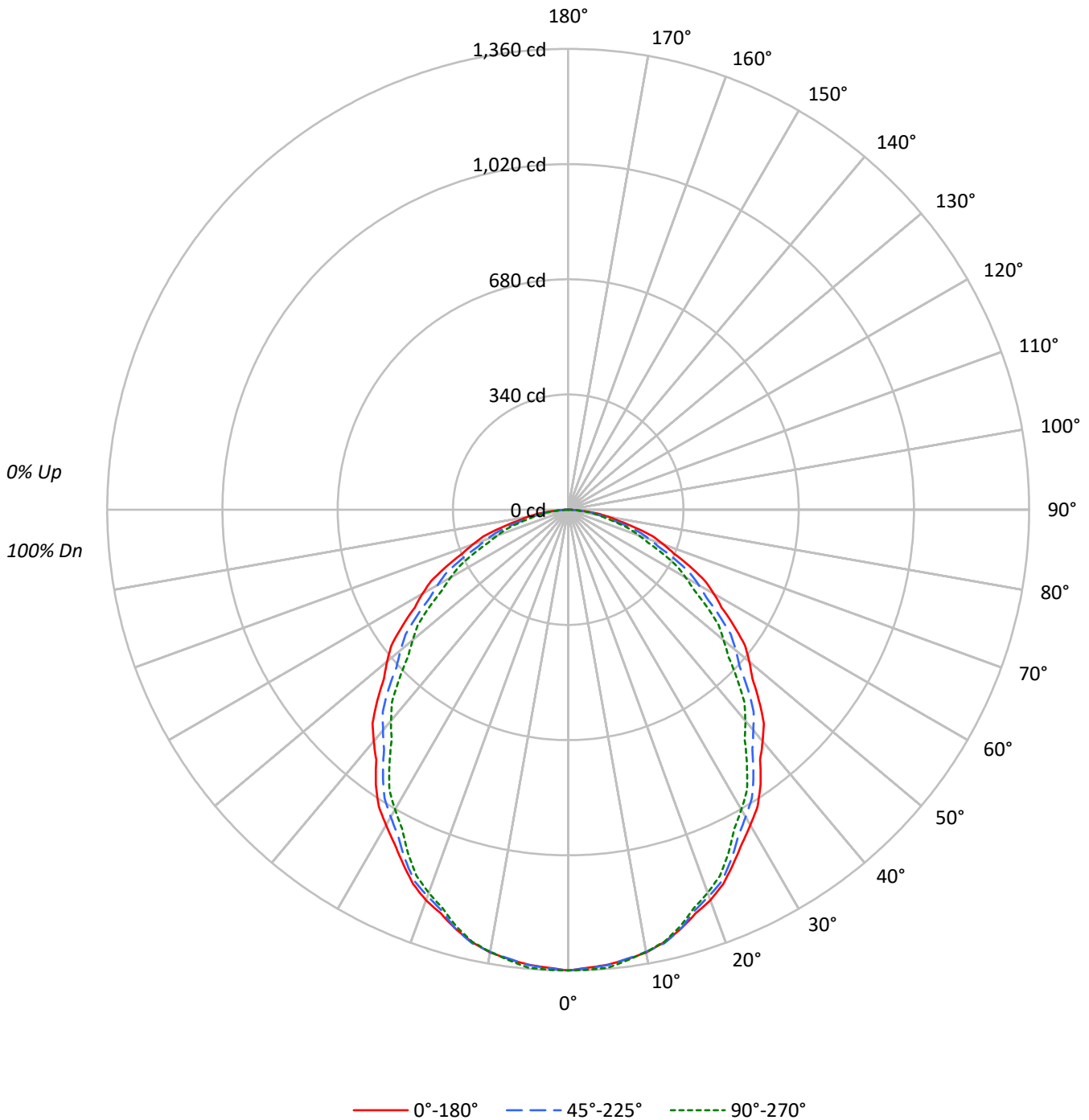
Lumens per Lamp: N/A
Luminaire Lumens: 3255.1 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.9
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	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°	15383	15383	15383
5°	15310	15322	15409
10°	15244	15222	15222
15°	15010	15010	14920
20°	14767	14615	14487
25°	14394	14213	13960
30°	14042	13676	13347
35°	13672	13165	12698
40°	13179	12552	12010
45°	12732	12006	11265
50°	12272	11354	10539
55°	11773	10725	9847
60°	11231	10074	9067
65°	10599	9333	8246
70°	9872	8466	7347
75°	8949	7432	6544
80°	7799	6229	5786
85°	6024	5271	5271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12732 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.3	3.9
10°-20°	360.4	11.1
20°-30°	523.6	16.1
30°-40°	595.3	18.3
40°-50°	577.9	17.8
50°-60°	487.9	15.0
60°-70°	347.1	10.7
70°-80°	185.5	5.7
80°-90°	49.0	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°	1012.3	31.1
0°-40°	1607.6	49.4
0°-60°	2673.5	82.1
0°-90°	3255.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3255.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1360	1360	1360	1360	1360	
5°	1348	1365	1349	1347	1357	128
15°	1281	1293	1281	1274	1274	361
25°	1153	1157	1138	1123	1118	531
35°	990	980	953	925	919	617
45°	796	783	750	714	704	614
55°	597	581	544	509	499	534
65°	396	382	349	318	308	392
75°	205	193	170	152	150	218
85°	46	43	41	41	41	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1359.6	1359.6	1359.6	1359.6	1359.6
2.5°	1352.7	1366.3	1354.2	1355.8	1358.8
5°	1348.0	1365.0	1349.0	1347.3	1356.7
7.5°	1337.6	1353.1	1336.4	1332.6	1341.1
10°	1326.8	1343.8	1324.9	1320.1	1324.9
12.5°	1307.5	1325.2	1310.2	1302.4	1306.3
15°	1281.4	1292.7	1281.4	1273.7	1273.7
17.5°	1249.5	1261.4	1240.1	1234.6	1232.5
20°	1226.4	1236.7	1213.8	1206.0	1203.2
22.5°	1195.5	1205.1	1186.0	1172.8	1169.2
25°	1153.0	1156.8	1138.5	1122.9	1118.2
27.5°	1110.3	1111.2	1086.2	1067.3	1061.0
30°	1074.8	1075.7	1046.8	1026.4	1021.6
32.5°	1039.2	1036.4	1008.9	984.7	981.5
35°	989.8	980.3	953.1	925.0	919.3
37.5°	930.1	924.4	892.3	864.1	855.6
40°	892.3	882.8	849.8	821.6	813.1
42.5°	854.4	843.4	809.6	778.3	769.0
45°	795.7	783.4	750.3	714.3	704.0
47.5°	736.6	723.2	686.8	651.9	640.4
50°	697.2	683.0	645.0	611.0	598.7
52.5°	657.0	642.1	604.1	569.3	559.3
55°	596.8	580.7	543.7	508.7	499.2
57.5°	536.5	520.6	483.8	450.7	439.4
60°	496.3	481.2	445.2	412.1	400.7
62.5°	455.4	441.0	405.8	373.5	362.9
65°	395.9	381.7	348.6	317.5	308.0
67.5°	337.0	324.9	292.2	263.6	256.1
70°	298.4	287.1	255.9	229.7	222.1
72.5°	261.3	249.2	219.6	197.3	192.0
75°	204.7	193.4	170.0	152.5	149.7
77.5°	153.0	143.7	123.4	113.5	112.0
80°	119.7	111.2	95.6	88.8	88.8
82.5°	88.8	81.9	71.7	68.8	68.8
85°	46.4	42.6	40.6	40.6	40.6
87.5°	13.9	13.9	13.1	12.4	12.4
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	20.49	22.07	20.86	22.39	22.70	19.42	21.00	19.78	21.31	21.62
	3H	22.21	23.63	22.59	23.96	24.32	20.88	22.30	21.26	22.63	22.99
	4H	22.87	24.21	23.27	24.56	24.94	21.43	22.77	21.83	23.11	23.49
	6H	23.29	24.53	23.70	24.90	25.29	21.78	23.02	22.19	23.38	23.78
	8H	23.45	24.63	23.87	25.02	25.42	21.92	23.10	22.35	23.49	23.89
	12H	23.54	24.67	23.97	25.05	25.48	22.02	23.15	22.45	23.53	23.96
4H	2H	20.98	22.32	21.38	22.67	23.05	20.12	21.46	20.52	21.81	22.19
	3H	22.93	24.05	23.34	24.45	24.85	21.80	22.92	22.21	23.32	23.72
	4H	23.71	24.72	24.14	25.13	25.57	22.44	23.45	22.87	23.86	24.30
	6H	24.25	25.13	24.71	25.57	26.03	22.89	23.77	23.34	24.21	24.67
	8H	24.46	25.28	24.92	25.72	26.19	23.07	23.90	23.54	24.34	24.81
	12H	24.59	25.32	25.07	25.80	26.27	23.21	23.95	23.69	24.43	24.90
8H	4H	23.89	24.71	24.35	25.16	25.62	22.75	23.58	23.22	24.02	24.49
	6H	24.54	25.22	25.03	25.71	26.19	23.31	23.99	23.81	24.48	24.96
	8H	24.82	25.43	25.33	25.94	26.43	23.57	24.18	24.08	24.69	25.17
	12H	25.02	25.56	25.53	26.05	26.61	23.78	24.32	24.29	24.81	25.37
12H	4H	23.90	24.64	24.38	25.11	25.58	22.79	23.53	23.27	24.00	24.47
	6H	24.56	25.17	25.07	25.68	26.17	23.37	23.98	23.88	24.49	24.98
	8H	24.89	25.43	25.40	25.93	26.49	23.69	24.23	24.20	24.72	25.28