

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: P1439283

Luminaire Tested: CB3-0U-055D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439283
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-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
DIRECT ONLY
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

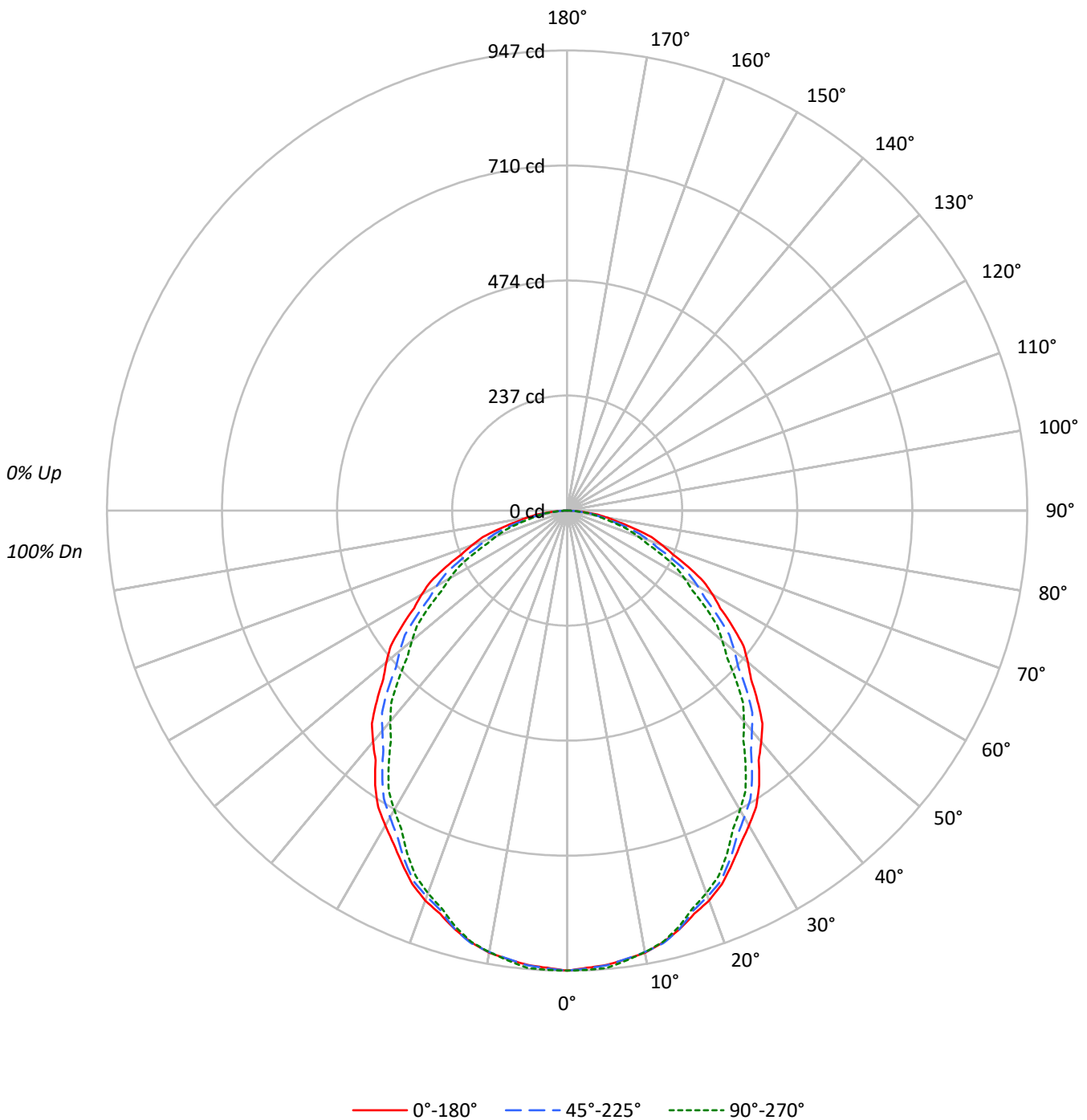
Lumens per Lamp: N/A
Luminaire Lumens: 2266.5 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.8
Input Voltage (V): 120
Input Current (A_{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°	10712	10712	10712
5°	10660	10668	10730
10°	10614	10599	10599
15°	10451	10451	10388
20°	10282	10176	10088
25°	10022	9896	9720
30°	9776	9522	9293
35°	9520	9166	8841
40°	9177	8739	8361
45°	8865	8359	7842
50°	8544	7905	7338
55°	8196	7466	6857
60°	7821	7015	6314
65°	7381	6498	5743
70°	6874	5895	5114
75°	6230	5172	4555
80°	5434	4340	4033
85°	4193	3661	3661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8865 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.3	3.9
10°-20°	250.9	11.1
20°-30°	364.6	16.1
30°-40°	414.5	18.3
40°-50°	402.4	17.8
50°-60°	339.7	15.0
60°-70°	241.7	10.7
70°-80°	129.1	5.7
80°-90°	34.1	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°	704.8	31.1
0°-40°	1119.3	49.4
0°-60°	1861.5	82.1
0°-90°	2266.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2266.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	947	947	947	947	947	
5°	939	950	939	938	945	89
15°	892	900	892	887	887	251
25°	803	805	793	782	779	370
35°	689	683	664	644	640	429
45°	554	546	522	497	490	427
55°	416	404	378	354	348	371
65°	276	266	243	221	214	273
75°	142	135	118	106	104	152
85°	32	30	28	28	28	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	946.7	946.7	946.7	946.7	946.7
2.5°	941.8	951.3	942.9	944.0	946.1
5°	938.6	950.4	939.3	938.1	944.7
7.5°	931.3	942.1	930.5	927.8	933.8
10°	923.8	935.6	922.5	919.2	922.5
12.5°	910.4	922.7	912.2	906.8	909.6
15°	892.2	900.1	892.2	886.8	886.8
17.5°	870.0	878.3	863.4	859.6	858.2
20°	853.9	861.1	845.1	839.7	837.8
22.5°	832.4	839.1	825.8	816.6	814.1
25°	802.8	805.4	792.7	781.9	778.6
27.5°	773.1	773.7	756.3	743.1	738.8
30°	748.3	749.0	728.8	714.6	711.3
32.5°	723.6	721.6	702.5	685.6	683.4
35°	689.2	682.6	663.6	644.0	640.1
37.5°	647.6	643.7	621.3	601.6	595.7
40°	621.3	614.7	591.7	572.0	566.1
42.5°	594.9	587.3	563.7	541.9	535.5
45°	554.0	545.5	522.4	497.4	490.1
47.5°	512.9	503.5	478.2	453.9	445.9
50°	485.4	475.6	449.1	425.4	416.9
52.5°	457.5	447.1	420.6	396.4	389.4
55°	415.5	404.3	378.5	354.2	347.6
57.5°	373.6	362.5	336.8	313.8	305.9
60°	345.6	335.1	310.0	286.9	279.0
62.5°	317.1	307.1	282.5	260.0	252.7
65°	275.7	265.8	242.7	221.1	214.5
67.5°	234.7	226.2	203.5	183.6	178.3
70°	207.8	199.9	178.2	159.9	154.6
72.5°	181.9	173.5	152.9	137.3	133.7
75°	142.5	134.6	118.3	106.2	104.2
77.5°	106.5	100.1	85.9	79.0	78.0
80°	83.4	77.5	66.6	61.9	61.9
82.5°	61.9	57.0	49.9	47.9	47.9
85°	32.3	29.6	28.2	28.2	28.2
87.5°	9.7	9.7	9.1	8.6	8.6
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	19.24	20.82	19.60	21.13	21.44	18.16	19.74	18.52	20.05	20.37
	3H	20.95	22.38	21.33	22.70	23.06	19.62	21.04	20.00	21.37	21.73
	4H	21.61	22.95	22.01	23.30	23.68	20.17	21.51	20.57	21.86	22.23
	6H	22.03	23.27	22.44	23.64	24.03	20.52	21.76	20.93	22.13	22.52
	8H	22.19	23.37	22.62	23.76	24.16	20.66	21.85	21.09	22.24	22.64
	12H	22.28	23.41	22.71	23.79	24.22	20.76	21.89	21.19	22.28	22.70
4H	2H	19.72	21.06	20.12	21.41	21.79	18.87	20.20	19.26	20.55	20.93
	3H	21.68	22.79	22.09	23.19	23.59	20.55	21.66	20.96	22.06	22.46
	4H	22.45	23.46	22.88	23.87	24.31	21.18	22.19	21.61	22.60	23.04
	6H	22.99	23.87	23.45	24.31	24.77	21.63	22.51	22.09	22.95	23.41
	8H	23.20	24.02	23.66	24.46	24.93	21.82	22.64	22.28	23.08	23.55
	12H	23.33	24.07	23.81	24.54	25.01	21.96	22.69	22.44	23.17	23.64
8H	4H	22.63	23.46	23.10	23.90	24.37	21.50	22.32	21.96	22.76	23.23
	6H	23.28	23.96	23.78	24.45	24.93	22.05	22.73	22.55	23.22	23.70
	8H	23.56	24.18	24.08	24.68	25.17	22.31	22.92	22.82	23.43	23.92
	12H	23.76	24.30	24.27	24.79	25.35	22.52	23.06	23.03	23.55	24.11
12H	4H	22.64	23.38	23.12	23.85	24.32	21.53	22.27	22.01	22.74	23.21
	6H	23.30	23.92	23.81	24.42	24.91	22.11	22.73	22.63	23.23	23.72
	8H	23.64	24.18	24.14	24.67	25.23	22.43	22.97	22.94	23.46	24.02