

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1053631

Luminaire Tested: R6R2-50D-840-UNV-STD-W

Issue Date: 7/16/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053631
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/16/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: R6R2-50D-840-UNV-STD-W
Description: 2FT RIBBON LED LUMINAIRE WITH 4000K LEDS AT LO
Light Source: -
Ballast/Driver: -

Summary

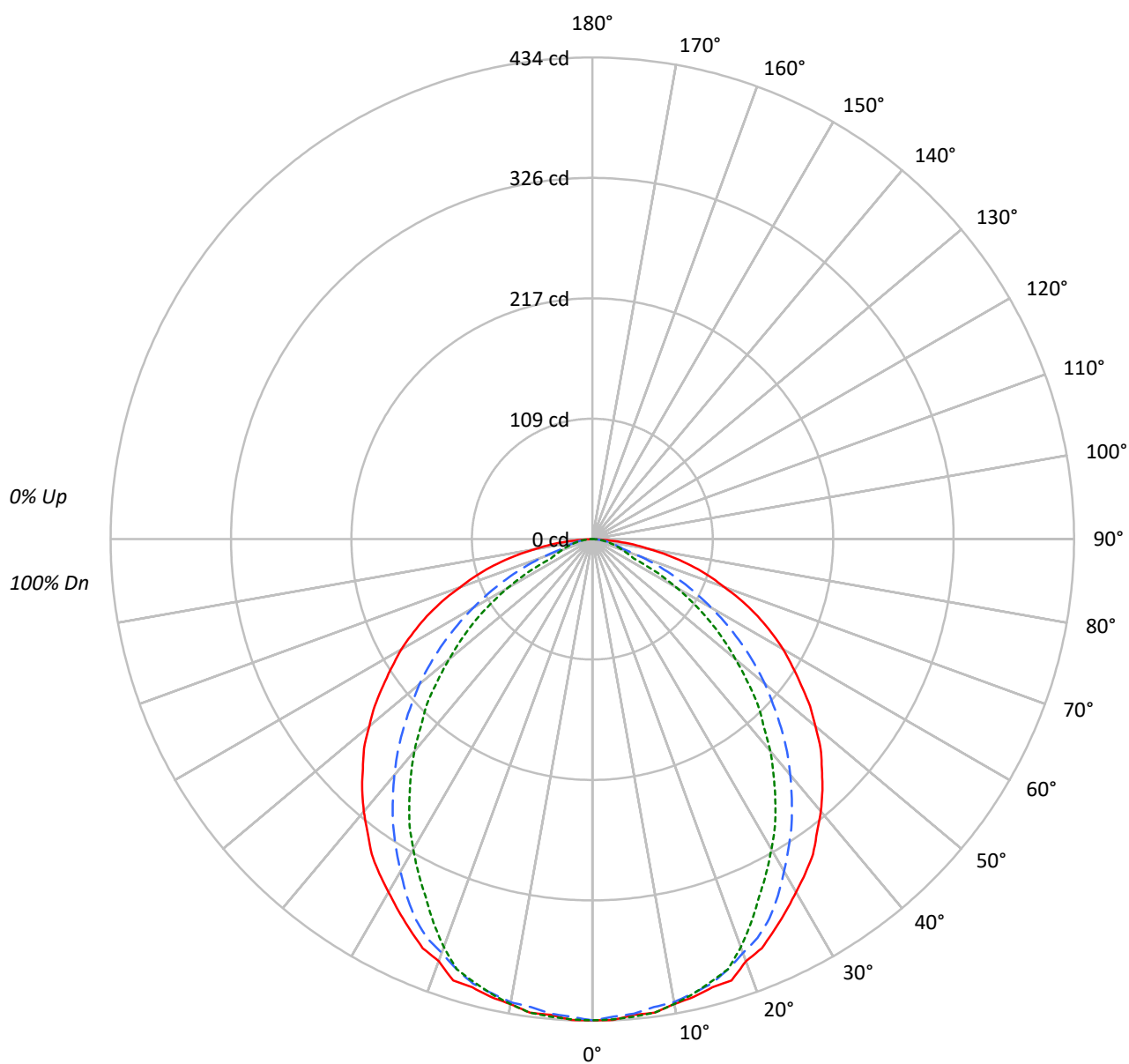
Lumens per Lamp: N/A
Luminaire Lumens: 1015.1 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.12 / 1.27
Luminous Opening: Rectangular (W 0.5' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 10.8
Input Voltage (V): 120
Input Current (Ain): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	110	106	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86	86	86
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74	74	74
3	93	83	75	69	90	81	74	69	79	73	68	76	71	67	73	69	65	63	63	63
4	85	74	66	60	83	73	65	59	70	64	59	68	62	58	66	61	57	55	55	55
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	48	48	48
6	73	60	52	46	71	59	51	46	58	51	45	56	50	45	54	49	44	42	42	42
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	50	44	40	38	38	38
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	34	34	34
9	59	46	38	33	58	46	38	33	45	38	33	44	37	33	43	37	32	31	31	31
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	40	34	30	28	28	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4667	4667	4667
5°	4649	4638	4668
10°	4649	4630	4649
15°	4658	4621	4602
20°	4635	4545	4481
25°	4613	4481	4222
30°	4564	4294	4010
35°	4554	4114	3777
40°	4501	3898	3506
45°	4451	3661	3212
50°	4392	3401	2822
55°	4314	3080	2430
60°	4278	2667	1899
65°	4192	2175	1052
70°	3987	1492	932
75°	3830	952	857
80°	3322	868	793
85°	2408	753	692

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4451 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.0	4.0
10°-20°	117.2	11.5
20°-30°	172.5	17.0
30°-40°	197.6	19.5
40°-50°	190.4	18.8
50°-60°	153.0	15.1
60°-70°	93.3	9.2
70°-80°	40.9	4.0
80°-90°	9.2	0.9
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°	330.7	32.6
0°-40°	528.3	52.0
0°-60°	871.7	85.9
0°-90°	1015.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1015.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	434	434	434	434	434	
5°	430	432	429	433	432	41
15°	418	417	415	415	413	118
25°	388	385	377	364	356	179
35°	347	340	313	295	287	216
45°	292	277	240	219	211	226
55°	230	203	164	139	130	206
65°	165	127	85	56	41	162
75°	92	52	23	21	21	96
85°	20	7	6	6	6	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	433.6	433.6	433.6	433.6	433.6
2.5°	433.6	433.1	430.8	438.7	433.1
5°	430.3	432.0	429.2	433.1	432.0
7.5°	430.3	430.3	425.3	431.4	430.3
10°	425.3	426.9	423.6	427.5	425.3
12.5°	422.5	423.0	419.1	420.8	419.7
15°	418.0	416.9	414.7	414.7	413.0
17.5°	416.9	411.9	406.3	409.1	406.3
20°	404.6	404.1	396.8	397.4	391.2
22.5°	399.0	395.7	389.0	381.2	373.9
25°	388.4	385.1	377.3	364.4	355.5
27.5°	377.8	376.7	362.2	348.2	339.3
30°	367.2	364.4	345.5	329.8	322.6
32.5°	357.2	353.3	329.3	312.5	306.4
35°	346.6	339.9	313.1	295.2	287.4
37.5°	332.6	327.6	295.2	277.9	268.4
40°	320.3	313.1	277.4	257.3	249.5
42.5°	306.9	296.3	259.5	238.9	228.3
45°	292.4	277.4	240.5	219.3	211.0
47.5°	279.0	258.4	221.0	198.7	189.2
50°	262.3	241.7	203.1	179.1	168.5
52.5°	247.2	222.1	183.6	158.5	149.0
55°	229.9	203.1	164.1	139.0	129.5
57.5°	213.7	185.3	144.0	118.3	108.3
60°	198.7	164.6	123.9	97.7	88.2
62.5°	181.4	145.7	104.9	78.1	67.5
65°	164.6	126.7	85.4	55.8	41.3
67.5°	146.2	107.2	66.4	35.7	34.6
70°	126.7	88.7	47.4	30.1	29.6
72.5°	109.9	70.9	28.5	25.7	25.1
75°	92.1	51.9	22.9	21.2	20.6
77.5°	73.1	35.2	18.4	17.3	16.7
80°	53.6	16.7	14.0	12.8	12.8
82.5°	37.4	10.6	10.0	9.5	9.5
85°	19.5	6.7	6.1	6.1	5.6
87.5°	4.5	2.8	2.8	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)