

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: P1053630

Luminaire Tested: R6R2-50D-835-UNV-STD-W

Issue Date: 7/16/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053630
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-835-UNV-STD-W
Description: 2FT RIBBON LED LUMINAIRE WITH 3500K LEDS AT LO
Light Source: -
Ballast/Driver: -

Summary

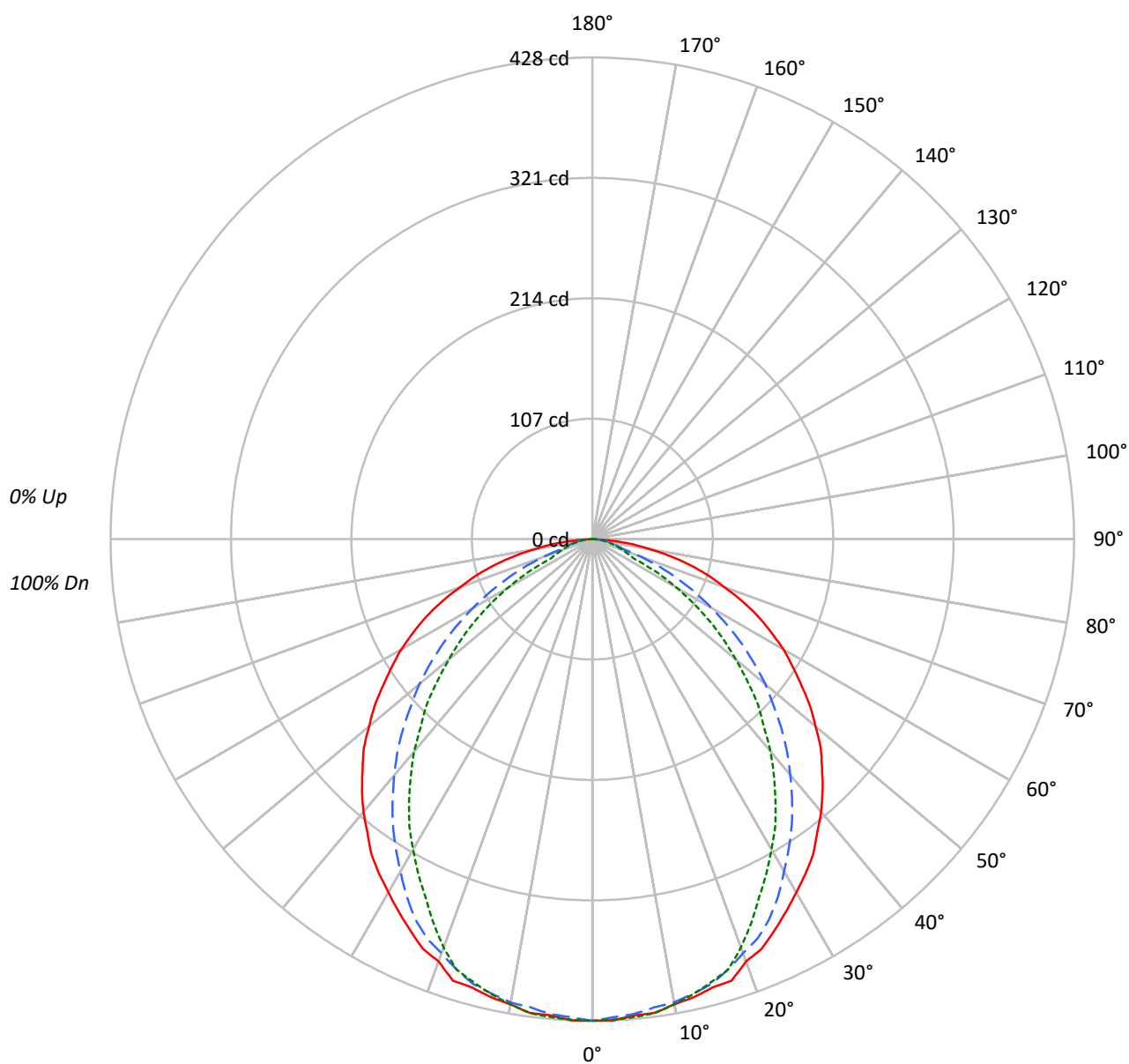
Lumens per Lamp: N/A
Luminaire Lumens: 1001.8 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.12 / 1.27
Luminous Opening: Rectangular (W 0.5' x L: 2' x H: 0')
CIE Type: Direct

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	84	86
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74	72	74
3	93	83	75	69	90	81	74	69	79	73	68	76	71	67	73	69	65	63	61	63
4	85	74	66	60	83	73	65	59	70	64	59	68	62	58	66	61	57	55	53	55
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	48	46	48
6	73	60	52	46	71	59	51	46	58	51	45	56	50	45	54	49	44	42	40	42
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	50	44	40	38	36	38
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	34	32	34
9	59	46	38	33	58	46	38	33	45	38	33	44	37	33	43	37	32	30	28	31
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	40	34	30	28	26	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4607	4607	4607
5°	4589	4577	4606
10°	4587	4569	4587
15°	4597	4560	4542
20°	4574	4486	4423
25°	4552	4422	4166
30°	4504	4237	3957
35°	4494	4060	3728
40°	4443	3846	3459
45°	4393	3614	3169
50°	4335	3358	2785
55°	4258	3038	2398
60°	4222	2633	1873
65°	4139	2147	1039
70°	3934	1473	919
75°	3780	940	848
80°	3279	855	787
85°	2384	753	679

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4393 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	4.0
10°-20°	115.6	11.5
20°-30°	170.2	17.0
30°-40°	195.0	19.5
40°-50°	187.9	18.8
50°-60°	151.1	15.1
60°-70°	92.0	9.2
70°-80°	40.4	4.0
80°-90°	9.1	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°	326.4	32.6
0°-40°	521.4	52.0
0°-60°	860.3	85.9
0°-90°	1001.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1001.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	428	428	428	428	428	
5°	425	426	424	427	426	40
15°	412	411	409	409	408	117
25°	383	380	372	360	351	177
35°	342	335	309	291	284	213
45°	289	274	237	216	208	223
55°	227	200	162	137	128	203
65°	162	125	84	55	41	160
75°	91	51	23	21	20	95
85°	19	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°	428.0	428.0	428.0	428.0	428.0
2.5°	428.0	427.4	425.2	432.9	427.4
5°	424.7	426.3	423.6	427.4	426.3
7.5°	424.7	424.7	419.7	425.8	424.7
10°	419.7	421.3	418.0	421.9	419.7
12.5°	416.9	417.5	413.6	415.3	414.2
15°	412.5	411.4	409.2	409.2	407.6
17.5°	411.4	406.5	401.0	403.7	401.0
20°	399.3	398.8	391.6	392.2	386.1
22.5°	393.8	390.5	383.9	376.2	369.0
25°	383.3	380.0	372.3	359.7	350.8
27.5°	372.9	371.8	357.5	343.7	334.9
30°	362.4	359.7	340.9	325.5	318.4
32.5°	352.5	348.6	325.0	308.4	302.4
35°	342.0	335.4	309.0	291.4	283.7
37.5°	328.3	323.3	291.4	274.3	264.9
40°	316.2	309.0	273.7	253.9	246.2
42.5°	302.9	292.5	256.1	235.7	225.3
45°	288.6	273.7	237.4	216.5	208.2
47.5°	275.4	255.0	218.1	196.1	186.7
50°	258.9	238.5	200.5	176.8	166.3
52.5°	244.0	219.2	181.2	156.4	147.1
55°	226.9	200.5	161.9	137.1	127.8
57.5°	211.0	182.9	142.1	116.8	106.9
60°	196.1	162.5	122.3	96.4	87.0
62.5°	179.0	143.8	103.5	77.1	66.6
65°	162.5	125.0	84.3	55.1	40.8
67.5°	144.3	105.8	65.5	35.3	34.1
70°	125.0	87.6	46.8	29.7	29.2
72.5°	108.5	69.9	28.1	25.3	24.8
75°	90.9	51.2	22.6	20.9	20.4
77.5°	72.2	34.7	18.2	17.1	16.5
80°	52.9	16.5	13.8	12.7	12.7
82.5°	36.9	10.5	9.9	9.4	9.4
85°	19.3	6.6	6.1	6.1	5.5
87.5°	4.4	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)