

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: P1053629

Luminaire Tested: R6R2-50D-830-UNV-STD-W

Issue Date: 7/16/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053629
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-830-UNV-STD-W
Description: 2FT RIBBON LED LUMINAIRE WITH 3000K LEDS AT LO
Light Source: -
Ballast/Driver: -

Summary

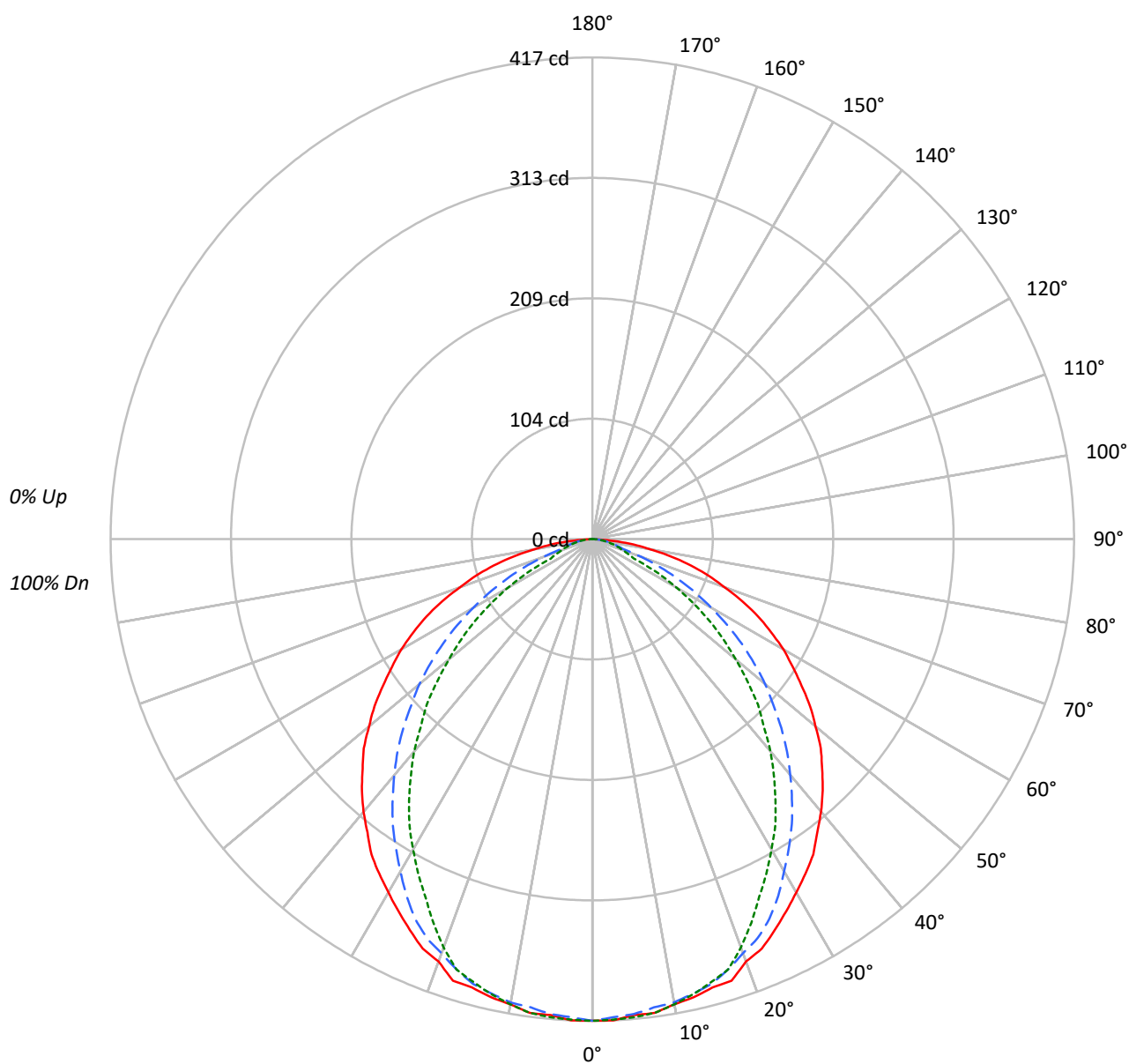
Lumens per Lamp: N/A
Luminaire Lumens: 976.1 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.12 / 1.27
Luminous Opening: Rectangular (W 0.5' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 10.9
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°	4489	4489	4489
5°	4470	4459	4488
10°	4469	4452	4469
15°	4479	4443	4425
20°	4457	4370	4309
25°	4436	4309	4059
30°	4389	4129	3856
35°	4380	3957	3632
40°	4328	3747	3371
45°	4281	3521	3087
50°	4223	3270	2714
55°	4149	2961	2336
60°	4112	2564	1826
65°	4032	2091	1011
70°	3833	1435	894
75°	3681	915	828
80°	3192	831	762
85°	2322	729	667

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4281 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.4	4.0
10°-20°	112.7	11.5
20°-30°	165.9	17.0
30°-40°	190.0	19.5
40°-50°	183.1	18.8
50°-60°	147.2	15.1
60°-70°	89.7	9.2
70°-80°	39.3	4.0
80°-90°	8.9	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°	318.0	32.6
0°-40°	508.0	52.0
0°-60°	838.2	85.9
0°-90°	976.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	976.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	417	417	417	417	417	
5°	414	415	413	416	415	39
15°	402	401	399	399	397	114
25°	374	370	363	350	342	172
35°	333	327	301	284	276	208
45°	281	267	231	211	203	217
55°	221	195	158	134	124	198
65°	158	122	82	54	40	156
75°	88	50	22	20	20	93
85°	19	6	6	6	5	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	417.0	417.0	417.0	417.0	417.0
2.5°	417.0	416.4	414.3	421.8	416.4
5°	413.7	415.4	412.7	416.4	415.4
7.5°	413.7	413.7	408.9	414.8	413.7
10°	408.9	410.5	407.3	411.1	408.9
12.5°	406.2	406.8	403.0	404.6	403.6
15°	401.9	400.9	398.7	398.7	397.1
17.5°	400.9	396.0	390.7	393.4	390.7
20°	389.1	388.5	381.5	382.1	376.2
22.5°	383.7	380.5	374.0	366.5	359.5
25°	373.5	370.3	362.8	350.4	341.8
27.5°	363.3	362.2	348.3	334.9	326.3
30°	353.1	350.4	332.2	317.2	310.2
32.5°	343.4	339.7	316.6	300.5	294.6
35°	333.3	326.8	301.1	283.9	276.4
37.5°	319.8	315.0	283.9	267.2	258.1
40°	308.0	301.1	266.7	247.4	239.9
42.5°	295.2	285.0	249.5	229.7	219.5
45°	281.2	266.7	231.3	210.9	202.8
47.5°	268.3	248.5	212.5	191.0	181.9
50°	252.2	232.4	195.3	172.3	162.1
52.5°	237.7	213.6	176.6	152.4	143.3
55°	221.1	195.3	157.8	133.6	124.5
57.5°	205.5	178.2	138.5	113.8	104.1
60°	191.0	158.3	119.1	93.9	84.8
62.5°	174.4	140.1	100.9	75.1	64.9
65°	158.3	121.8	82.1	53.7	39.7
67.5°	140.6	103.0	63.9	34.3	33.3
70°	121.8	85.3	45.6	29.0	28.4
72.5°	105.7	68.2	27.4	24.7	24.1
75°	88.5	49.9	22.0	20.4	19.9
77.5°	70.3	33.8	17.7	16.6	16.1
80°	51.5	16.1	13.4	12.3	12.3
82.5°	36.0	10.2	9.7	9.1	9.1
85°	18.8	6.4	5.9	5.9	5.4
87.5°	4.3	2.7	2.7	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)