

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: P1053627

Luminaire Tested: R6R2-100D-835-UNV-STD-W

Issue Date: 7/16/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053627
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: R6R2-100D-835-UNV-STD-W
Description: 2FT RIBBON LED LUMINAIRE WITH 3500K LEDS AT HI
Light Source: -
Ballast/Driver: -

Summary

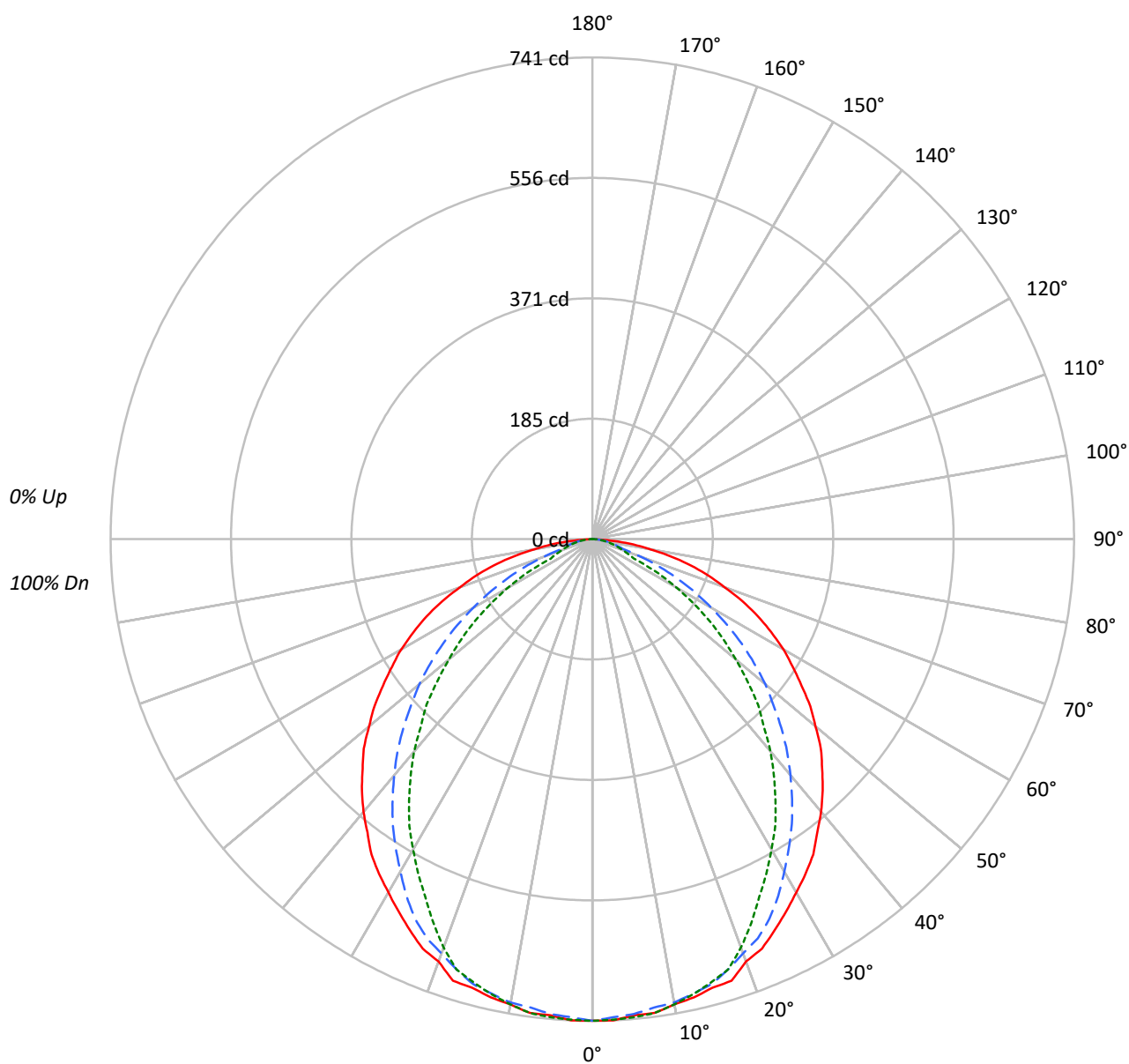
Lumens per Lamp: N/A
Luminaire Lumens: 1734.7 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.12 / 1.27
Luminous Opening: Rectangular (W 0.5' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.4
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	100		
1	110	106	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86		
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74		
3	93	83	75	69	90	81	74	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	59	70	64	59	68	62	58	66	61	57	55		
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	48		
6	73	60	52	46	71	59	51	46	58	51	45	56	50	45	54	49	44	42		
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	50	44	40	38		
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	44	37	33	43	37	32	31		
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	40	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7976	7976	7976
5°	7945	7924	7976
10°	7943	7912	7943
15°	7960	7896	7865
20°	7920	7767	7659
25°	7884	7657	7215
30°	7799	7338	6851
35°	7783	7030	6455
40°	7692	6660	5990
45°	7607	6258	5488
50°	7505	5814	4823
55°	7373	5262	4153
60°	7309	4557	3244
65°	7165	3716	1798
70°	6814	2552	1589
75°	6546	1626	1468
80°	5678	1475	1358
85°	4125	1297	1173

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7607 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	4.0
10°-20°	200.2	11.5
20°-30°	294.8	17.0
30°-40°	337.6	19.5
40°-50°	325.3	18.8
50°-60°	261.6	15.1
60°-70°	159.4	9.2
70°-80°	69.9	4.0
80°-90°	15.7	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°	565.1	32.6
0°-40°	902.8	52.0
0°-60°	1489.7	85.9
0°-90°	1734.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1734.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	741	741	741	741	741	
5°	735	738	733	740	738	70
15°	714	712	709	709	706	202
25°	664	658	645	623	608	306
35°	592	581	535	504	491	369
45°	500	474	411	375	360	386
55°	393	347	280	238	221	352
65°	281	216	146	95	71	277
75°	157	89	39	36	35	165
85°	33	11	10	10	10	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	741.0	741.0	741.0	741.0	741.0
2.5°	741.0	740.1	736.3	749.6	740.1
5°	735.3	738.2	733.4	740.1	738.2
7.5°	735.3	735.3	726.7	737.2	735.3
10°	726.7	729.6	723.9	730.5	726.7
12.5°	722.0	722.9	716.2	719.1	717.2
15°	714.3	712.4	708.6	708.6	705.8
17.5°	712.4	703.8	694.3	699.1	694.3
20°	691.4	690.5	678.1	679.0	668.6
22.5°	681.9	676.2	664.7	651.4	639.0
25°	663.8	658.1	644.7	622.8	607.5
27.5°	645.7	643.8	619.0	595.1	579.9
30°	627.5	622.8	590.4	563.6	551.2
32.5°	610.4	603.7	562.7	534.1	523.6
35°	592.3	580.8	535.0	504.5	491.2
37.5°	568.4	559.8	504.5	475.0	458.7
40°	547.4	535.0	474.0	439.7	426.3
42.5°	524.5	506.4	443.5	408.2	390.1
45°	499.7	474.0	411.1	374.8	360.5
47.5°	476.9	441.6	377.7	339.5	323.3
50°	448.2	413.0	347.2	306.1	288.0
52.5°	422.5	379.6	313.8	270.9	254.6
55°	392.9	347.2	280.4	237.5	221.3
57.5°	365.3	316.6	246.1	202.2	185.0
60°	339.5	281.3	211.7	166.9	150.7
62.5°	310.0	248.9	179.3	133.5	115.4
65°	281.3	216.5	145.9	95.4	70.6
67.5°	249.9	183.1	113.5	61.0	59.1
70°	216.5	151.6	81.1	51.5	50.5
72.5°	187.9	121.1	48.6	43.9	42.9
75°	157.4	88.7	39.1	36.2	35.3
77.5°	124.9	60.1	31.5	29.6	28.6
80°	91.6	28.6	23.8	21.9	21.9
82.5°	63.9	18.1	17.2	16.2	16.2
85°	33.4	11.4	10.5	10.5	9.5
87.5°	7.6	4.8	4.8	4.8	4.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)