

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: P1053628

Luminaire Tested: R6R2-100D-840-UNV-STD-W

Issue Date: 7/16/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053628
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-840-UNV-STD-W
Description: 2FT RIBBON LED LUMINAIRE WITH 4000K LEDS AT HI
Light Source: -
Ballast/Driver: -

Summary

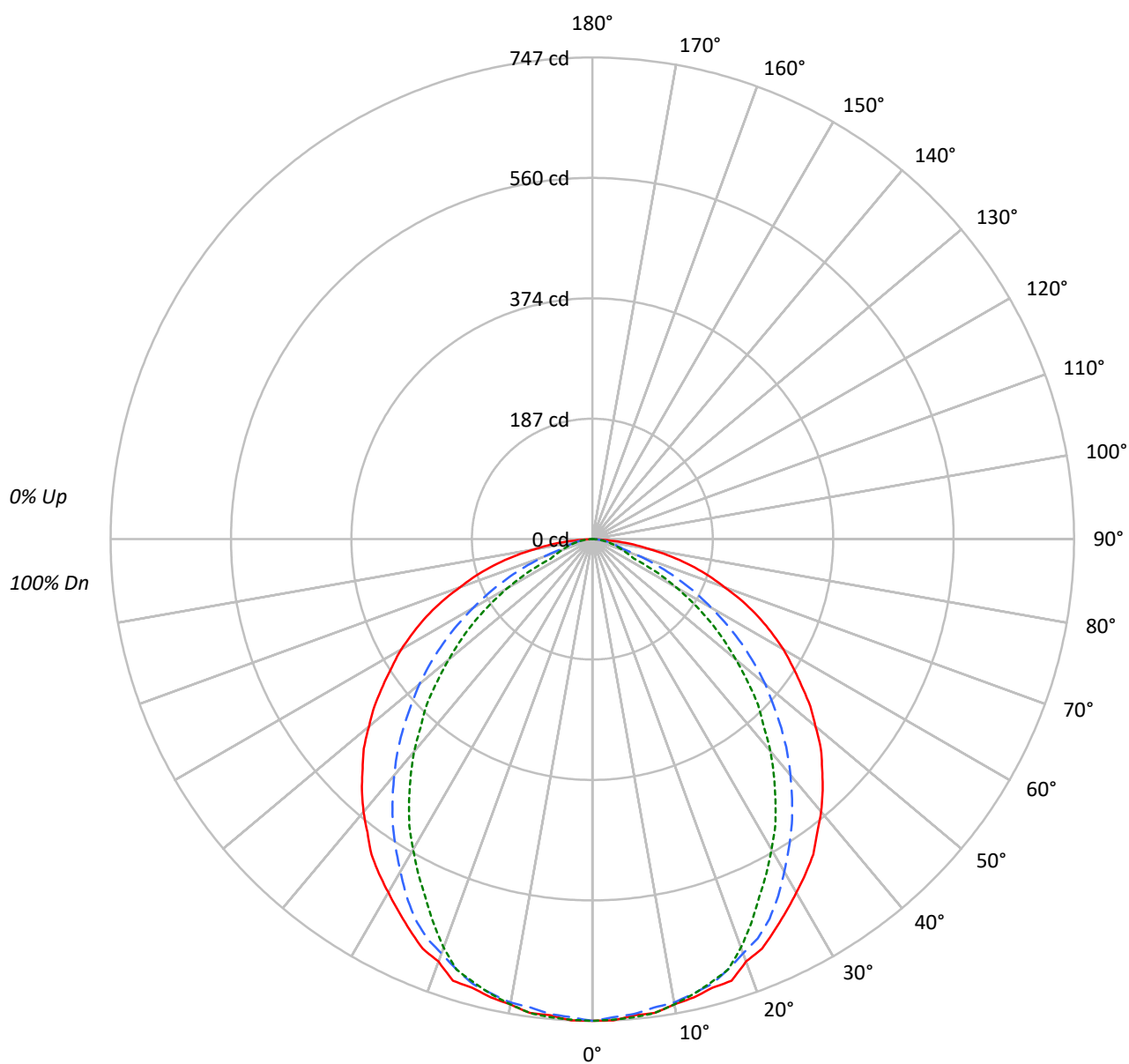
Lumens per Lamp: N/A
Luminaire Lumens: 1748.8 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.12 / 1.27
Luminous Opening: Rectangular (W 0.5' x L: 2' x H: 0')
CIE Type: Direct

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	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°	8042	8042	8042
5°	8010	7989	8041
10°	8007	7977	8007
15°	8025	7961	7929
20°	7985	7830	7720
25°	7948	7720	7274
30°	7864	7398	6907
35°	7846	7088	6507
40°	7755	6715	6039
45°	7669	6308	5532
50°	7567	5861	4863
55°	7433	5305	4187
60°	7369	4594	3270
65°	7223	3747	1811
70°	6870	2571	1605
75°	6596	1639	1481
80°	5721	1488	1370
85°	4162	1309	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7669 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	4.0
10°-20°	201.9	11.5
20°-30°	297.2	17.0
30°-40°	340.4	19.5
40°-50°	328.0	18.8
50°-60°	263.7	15.1
60°-70°	160.7	9.2
70°-80°	70.5	4.0
80°-90°	15.9	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°	569.7	32.6
0°-40°	910.1	52.0
0°-60°	1501.8	85.9
0°-90°	1748.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1748.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	747	747	747	747	747	
5°	741	744	739	746	744	71
15°	720	718	714	714	712	204
25°	669	663	650	628	612	308
35°	597	586	539	509	495	372
45°	504	478	414	378	363	389
55°	396	350	283	239	223	355
65°	284	218	147	96	71	279
75°	159	89	39	36	36	166
85°	34	12	11	11	10	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	747.1	747.1	747.1	747.1	747.1
2.5°	747.1	746.1	742.3	755.7	746.1
5°	741.3	744.2	739.4	746.1	744.2
7.5°	741.3	741.3	732.6	743.2	741.3
10°	732.6	735.5	729.8	736.5	732.6
12.5°	727.8	728.8	722.1	725.0	723.0
15°	720.1	718.2	714.4	714.4	711.5
17.5°	718.2	709.6	700.0	704.8	700.0
20°	697.1	696.1	683.6	684.6	674.0
22.5°	687.5	681.7	670.1	656.7	644.2
25°	669.2	663.4	650.0	627.8	612.5
27.5°	650.9	649.0	624.0	600.0	584.6
30°	632.7	627.8	595.2	568.2	555.7
32.5°	615.3	608.6	567.3	538.4	527.9
35°	597.1	585.5	539.4	508.6	495.2
37.5°	573.0	564.4	508.6	478.8	462.5
40°	551.9	539.4	477.9	443.2	429.8
42.5°	528.8	510.5	447.1	411.5	393.2
45°	503.8	477.9	414.4	377.9	363.4
47.5°	480.7	445.2	380.7	342.3	325.9
50°	451.9	416.3	350.0	308.6	290.4
52.5°	425.9	382.7	316.3	273.1	256.7
55°	396.1	350.0	282.7	239.4	223.1
57.5°	368.2	319.2	248.1	203.8	186.5
60°	342.3	283.6	213.4	168.3	151.9
62.5°	312.5	250.9	180.8	134.6	116.3
65°	283.6	218.3	147.1	96.1	71.1
67.5°	251.9	184.6	114.4	61.5	59.6
70°	218.3	152.9	81.7	51.9	51.0
72.5°	189.4	122.1	49.0	44.2	43.3
75°	158.6	89.4	39.4	36.5	35.6
77.5°	126.0	60.6	31.7	29.8	28.8
80°	92.3	28.8	24.0	22.1	22.1
82.5°	64.4	18.3	17.3	16.3	16.3
85°	33.7	11.5	10.6	10.6	9.6
87.5°	7.7	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)