

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: P1053634

Luminaire Tested: R6R2-75D-840-UNV-STD-W

Issue Date: 7/16/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053634
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: R6R2-75D-840-UNV-STD-W
Description: 2FT RIBBON LED LUMINAIRE WITH 4000K LEDS AT MID
Light Source: -
Ballast/Driver: -

Summary

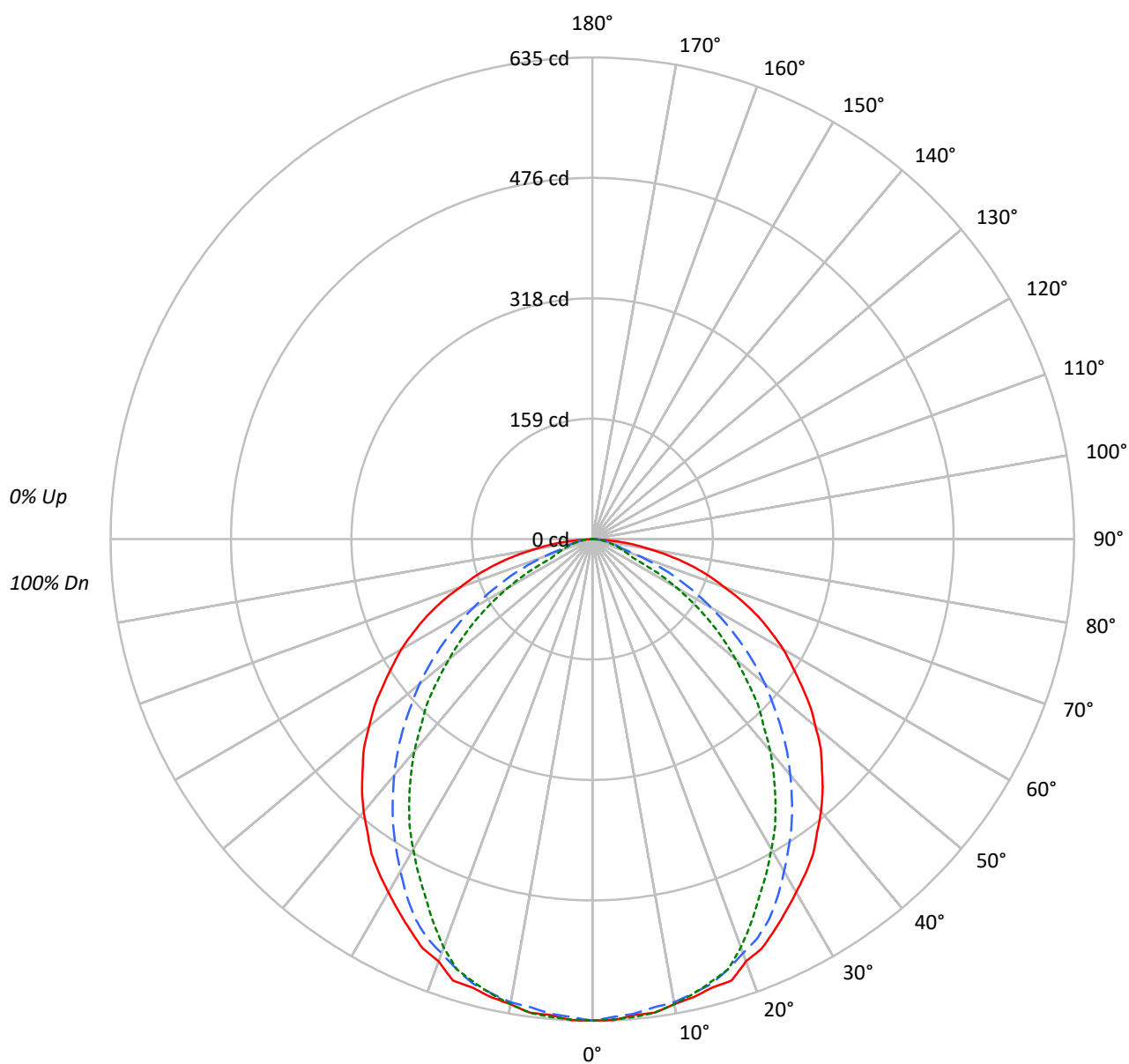
Lumens per Lamp: N/A
Luminaire Lumens: 1485.7 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.12 / 1.27
Luminous Opening: Rectangular (W 0.5' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16
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°	6832	6832	6832
5°	6805	6787	6831
10°	6803	6777	6803
15°	6818	6763	6735
20°	6783	6653	6559
25°	6752	6558	6179
30°	6681	6284	5868
35°	6665	6021	5528
40°	6589	5705	5130
45°	6515	5360	4701
50°	6429	4978	4131
55°	6315	4506	3556
60°	6260	3903	2779
65°	6138	3184	1538
70°	5835	2184	1363
75°	5606	1393	1256
80°	4860	1265	1165
85°	3532	1112	1013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6515 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	4.0
10°-20°	171.5	11.5
20°-30°	252.5	17.0
30°-40°	289.2	19.5
40°-50°	278.7	18.8
50°-60°	224.0	15.1
60°-70°	136.5	9.2
70°-80°	59.9	4.0
80°-90°	13.5	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°	484.0	32.6
0°-40°	773.2	52.0
0°-60°	1275.8	85.9
0°-90°	1485.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1485.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	635	635	635	635	635	
5°	630	632	628	634	632	60
15°	612	610	607	607	604	173
25°	568	564	552	533	520	262
35°	507	497	458	432	421	316
45°	428	406	352	321	309	331
55°	336	297	240	203	190	302
65°	241	185	125	82	60	237
75°	135	76	34	31	30	141
85°	29	10	9	9	8	35
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	634.7	634.7	634.7	634.7	634.7
2.5°	634.7	633.9	630.6	642.0	633.9
5°	629.8	632.2	628.1	633.9	632.2
7.5°	629.8	629.8	622.4	631.4	629.8
10°	622.4	624.9	620.0	625.7	622.4
12.5°	618.3	619.2	613.4	615.9	614.2
15°	611.8	610.2	606.9	606.9	604.4
17.5°	610.2	602.8	594.6	598.7	594.6
20°	592.2	591.4	580.8	581.6	572.6
22.5°	584.0	579.1	569.3	557.9	547.3
25°	568.5	563.6	552.2	533.4	520.3
27.5°	553.0	551.4	530.1	509.7	496.6
30°	537.5	533.4	505.6	482.7	472.1
32.5°	522.8	517.0	481.9	457.4	448.4
35°	507.2	497.4	458.2	432.1	420.7
37.5°	486.8	479.5	432.1	406.8	392.9
40°	468.9	458.2	406.0	376.6	365.1
42.5°	449.3	433.7	379.8	349.6	334.1
45°	428.0	406.0	352.1	321.0	308.8
47.5°	408.4	378.2	323.5	290.8	276.9
50°	383.9	353.7	297.3	262.2	246.7
52.5°	361.9	325.1	268.7	232.0	218.1
55°	336.5	297.3	240.1	203.4	189.5
57.5°	312.8	271.2	210.7	173.2	158.5
60°	290.8	241.0	181.3	142.9	129.1
62.5°	265.5	213.2	153.6	114.4	98.8
65°	241.0	185.4	125.0	81.7	60.4
67.5°	214.0	156.8	97.2	52.3	50.6
70°	185.4	129.9	69.4	44.1	43.3
72.5°	160.9	103.7	41.7	37.6	36.8
75°	134.8	76.0	33.5	31.0	30.2
77.5°	107.0	51.5	27.0	25.3	24.5
80°	78.4	24.5	20.4	18.8	18.8
82.5°	54.7	15.5	14.7	13.9	13.9
85°	28.6	9.8	9.0	9.0	8.2
87.5°	6.5	4.1	4.1	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)