

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: P1053632

Luminaire Tested: R6R2-75D-830-UNV-STD-W

Issue Date: 7/16/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053632
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-830-UNV-STD-W
Description: 2FT RIBBON LED LUMINAIRE WITH 3000K LEDS AT MID
Light Source: -
Ballast/Driver: -

Summary

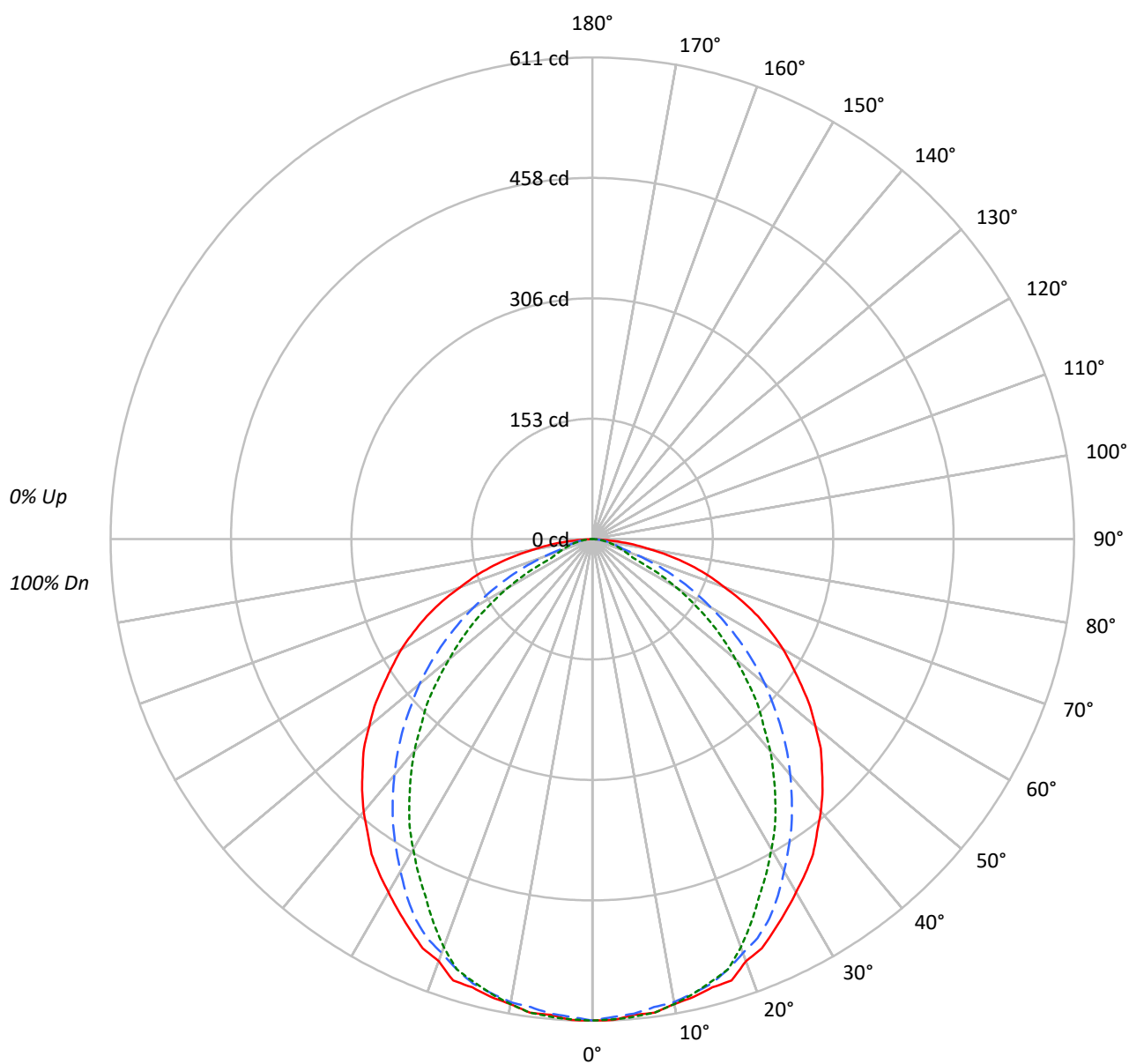
Lumens per Lamp: N/A
Luminaire Lumens: 1429.2 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.12 / 1.27
Luminous Opening: Rectangular (W 0.5' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
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°	6572	6572	6572
5°	6546	6529	6572
10°	6545	6519	6545
15°	6559	6506	6480
20°	6526	6400	6309
25°	6495	6309	5944
30°	6427	6046	5645
35°	6412	5792	5318
40°	6337	5487	4935
45°	6269	5156	4521
50°	6184	4789	3974
55°	6075	4335	3421
60°	6021	3754	2674
65°	5904	3061	1480
70°	5615	2102	1309
75°	5394	1339	1210
80°	4674	1215	1122
85°	3396	1062	976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6269 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.8	4.0
10°-20°	165.0	11.5
20°-30°	242.9	17.0
30°-40°	278.2	19.5
40°-50°	268.1	18.8
50°-60°	215.5	15.1
60°-70°	131.3	9.2
70°-80°	57.6	4.0
80°-90°	13.0	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°	465.6	32.6
0°-40°	743.8	52.0
0°-60°	1227.3	85.9
0°-90°	1429.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1429.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	611	611	611	611	611	
5°	606	608	604	610	608	58
15°	589	587	584	584	582	167
25°	547	542	531	513	500	252
35°	488	478	441	416	405	304
45°	412	390	339	309	297	318
55°	324	286	231	196	182	290
65°	232	178	120	79	58	228
75°	130	73	32	30	29	136
85°	28	9	9	9	8	34
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	610.6	610.6	610.6	610.6	610.6
2.5°	610.6	609.8	606.6	617.6	609.8
5°	605.8	608.2	604.3	609.8	608.2
7.5°	605.8	605.8	598.8	607.4	605.8
10°	598.8	601.1	596.4	601.9	598.8
12.5°	594.8	595.6	590.1	592.5	590.9
15°	588.6	587.0	583.8	583.8	581.5
17.5°	587.0	579.9	572.1	576.0	572.1
20°	569.7	568.9	558.7	559.5	550.8
22.5°	561.8	557.1	547.7	536.7	526.5
25°	546.9	542.2	531.2	513.1	500.5
27.5°	532.0	530.4	510.0	490.3	477.8
30°	517.1	513.1	486.4	464.4	454.2
32.5°	502.9	497.4	463.6	440.0	431.4
35°	488.0	478.5	440.8	415.7	404.7
37.5°	468.3	461.3	415.7	391.3	378.0
40°	451.0	440.8	390.5	362.2	351.2
42.5°	432.2	417.3	365.4	336.3	321.4
45°	411.8	390.5	338.7	308.8	297.0
47.5°	392.9	363.8	311.2	279.7	266.4
50°	369.3	340.2	286.0	252.2	237.3
52.5°	348.1	312.7	258.5	223.2	209.8
55°	323.7	286.0	231.0	195.7	182.3
57.5°	301.0	260.9	202.7	166.6	152.4
60°	279.7	231.8	174.4	137.5	124.2
62.5°	255.4	205.1	147.7	110.0	95.1
65°	231.8	178.4	120.2	78.6	58.1
67.5°	205.9	150.9	93.5	50.3	48.7
70°	178.4	124.9	66.8	42.4	41.6
72.5°	154.8	99.8	40.1	36.1	35.4
75°	129.7	73.1	32.2	29.9	29.1
77.5°	102.9	49.5	25.9	24.4	23.6
80°	75.4	23.6	19.6	18.1	18.1
82.5°	52.6	14.9	14.1	13.4	13.4
85°	27.5	9.4	8.6	8.6	7.9
87.5°	6.3	3.9	3.9	3.9	3.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)