

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: P1053633

Luminaire Tested: R6R2-75D-835-UNV-STD-W

Issue Date: 7/16/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053633
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-835-UNV-STD-W
Description: 2FT RIBBON LED LUMINAIRE WITH 3500K LEDS AT MID
Light Source: -
Ballast/Driver: -

Summary

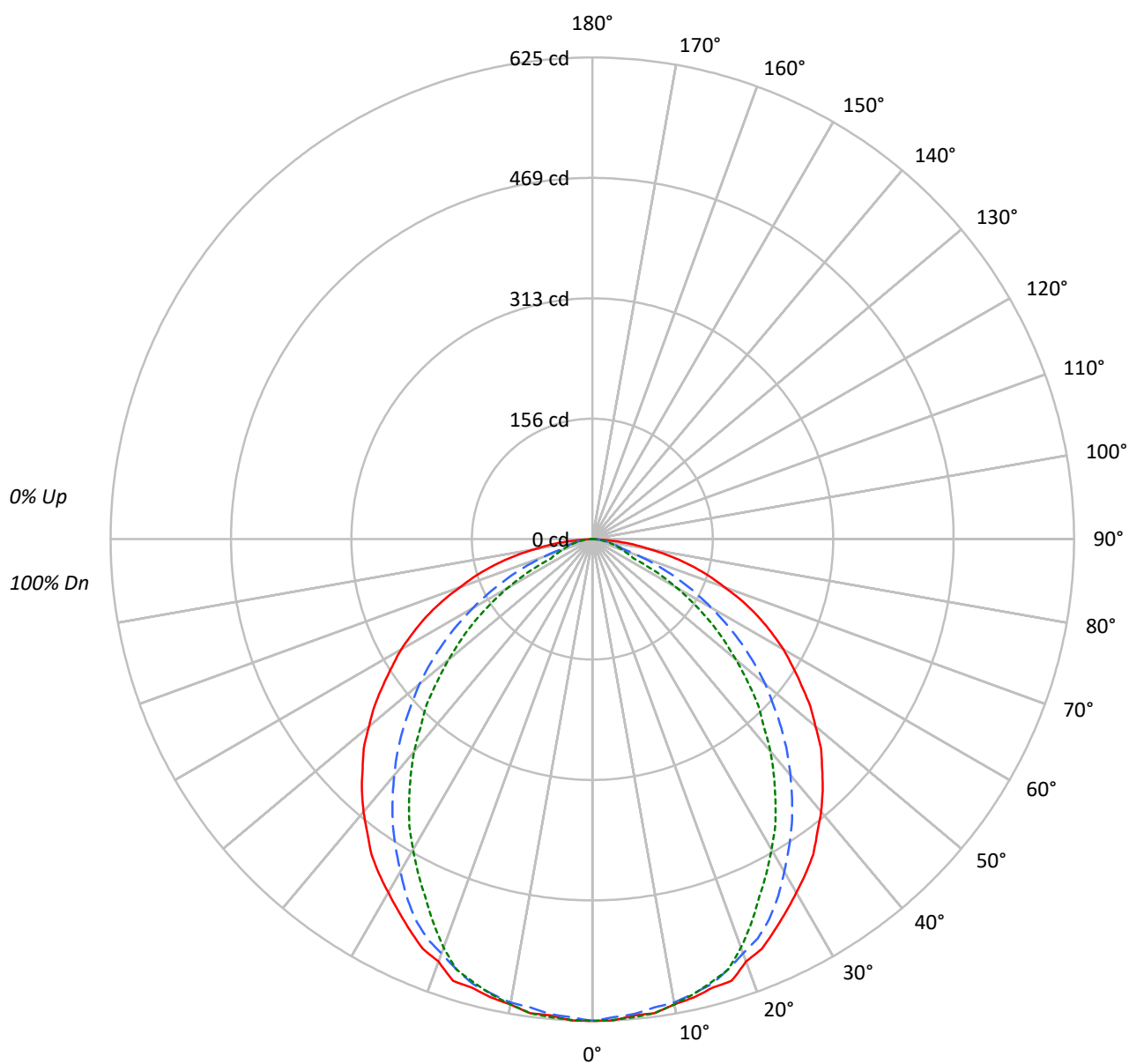
Lumens per Lamp: N/A
Luminaire Lumens: 1463.3 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.12 / 1.27
Luminous Opening: Rectangular (W 0.5' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
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°	6729	6729	6729
5°	6702	6685	6728
10°	6700	6674	6700
15°	6715	6661	6634
20°	6682	6552	6460
25°	6650	6459	6087
30°	6580	6190	5780
35°	6565	5930	5444
40°	6489	5618	5053
45°	6418	5278	4629
50°	6332	4903	4069
55°	6221	4438	3502
60°	6166	3845	2736
65°	6044	3135	1515
70°	5747	2153	1341
75°	5519	1372	1239
80°	4785	1246	1147
85°	3483	1087	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6418 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.1	4.0
10°-20°	168.9	11.5
20°-30°	248.6	17.0
30°-40°	284.8	19.5
40°-50°	274.4	18.8
50°-60°	220.6	15.1
60°-70°	134.4	9.2
70°-80°	59.0	4.0
80°-90°	13.3	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°	476.7	32.6
0°-40°	761.5	52.0
0°-60°	1256.6	85.9
0°-90°	1463.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1463.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	625	625	625	625	625	
5°	620	623	619	624	623	59
15°	603	601	598	598	595	170
25°	560	555	544	525	512	258
35°	500	490	451	426	414	312
45°	422	400	347	316	304	326
55°	332	293	236	200	187	297
65°	237	183	123	80	60	234
75°	133	75	33	31	30	139
85°	28	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°	625.1	625.1	625.1	625.1	625.1
2.5°	625.1	624.3	621.1	632.3	624.3
5°	620.3	622.7	618.7	624.3	622.7
7.5°	620.3	620.3	613.0	621.9	620.3
10°	613.0	615.4	610.6	616.2	613.0
12.5°	609.0	609.8	604.2	606.6	605.0
15°	602.6	601.0	597.7	597.7	595.3
17.5°	601.0	593.7	585.7	589.7	585.7
20°	583.3	582.5	572.0	572.8	564.0
22.5°	575.2	570.4	560.7	549.5	539.0
25°	559.9	555.1	543.8	525.3	512.5
27.5°	544.6	543.0	522.1	502.0	489.1
30°	529.4	525.3	498.0	475.5	465.0
32.5°	514.9	509.2	474.7	450.5	441.7
35°	499.6	489.9	451.3	425.6	414.3
37.5°	479.5	472.2	425.6	400.6	387.0
40°	461.8	451.3	399.8	370.9	359.6
42.5°	442.5	427.2	374.1	344.3	329.0
45°	421.6	399.8	346.7	316.2	304.1
47.5°	402.3	372.5	318.6	286.4	272.7
50°	378.1	348.3	292.8	258.2	243.0
52.5°	356.4	320.2	264.7	228.5	214.8
55°	331.5	292.8	236.5	200.3	186.6
57.5°	308.1	267.1	207.6	170.6	156.1
60°	286.4	237.3	178.6	140.8	127.1
62.5°	261.5	210.0	151.2	112.6	97.3
65°	237.3	182.6	123.1	80.5	59.5
67.5°	210.8	154.5	95.7	51.5	49.9
70°	182.6	127.9	68.4	43.4	42.6
72.5°	158.5	102.2	41.0	37.0	36.2
75°	132.7	74.8	33.0	30.6	29.8
77.5°	105.4	50.7	26.5	24.9	24.1
80°	77.2	24.1	20.1	18.5	18.5
82.5°	53.9	15.3	14.5	13.7	13.7
85°	28.2	9.7	8.8	8.8	8.0
87.5°	6.4	4.0	4.0	4.0	4.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)