

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: P1053651

Luminaire Tested: R6R4-75D-840-UNV-STD-W

Issue Date: 7/16/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053651
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: R6R4-75D-840-UNV-STD-W
Description: 4FT RIBBON LED LUMINAIRE WITH 4000K LEDS AT MID
Light Source: -
Ballast/Driver: -

Summary

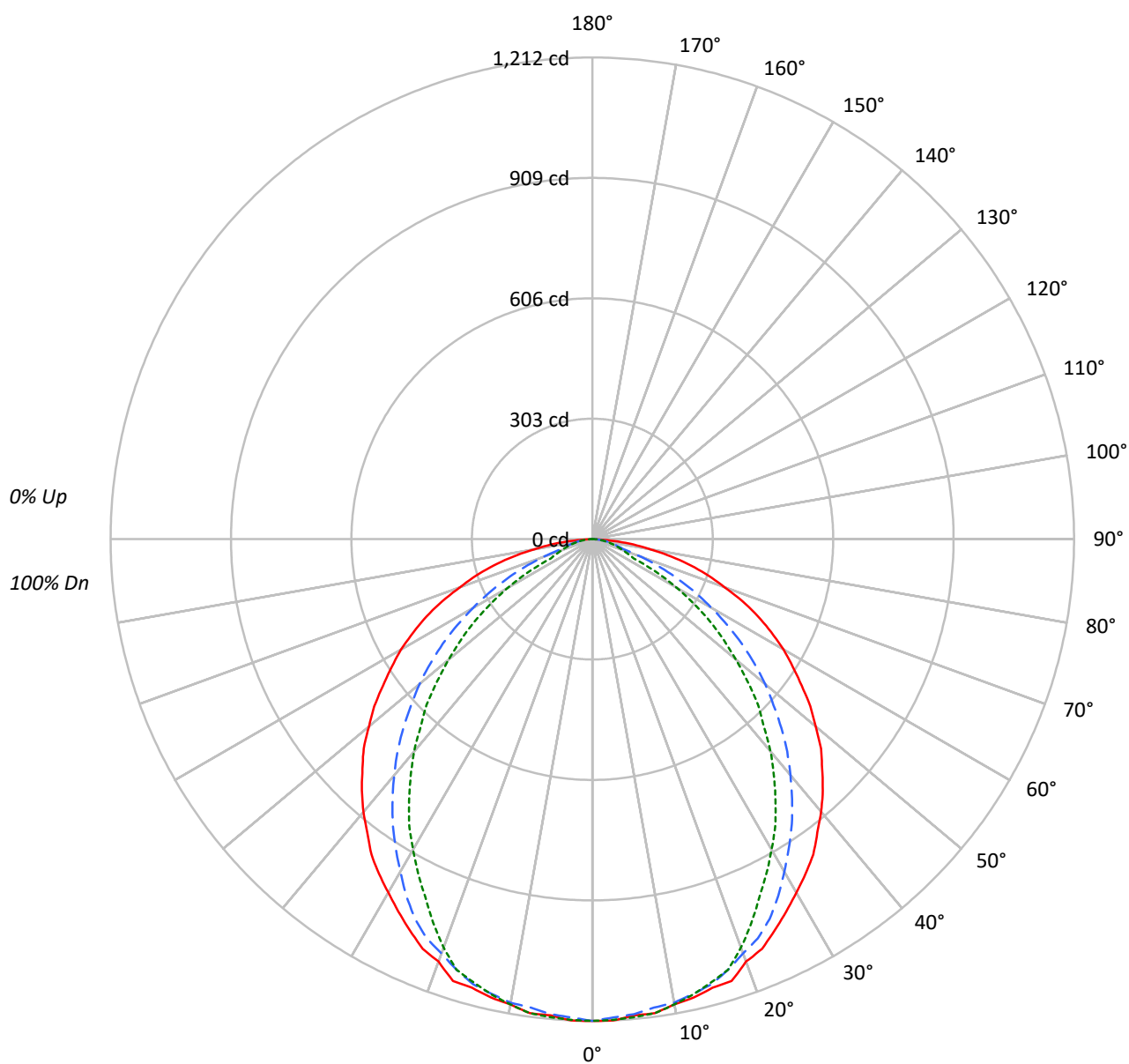
Lumens per Lamp: N/A
Luminaire Lumens: 2838.2 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.12 / 1.27
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27.5
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°	6525	6525	6525
5°	6500	6482	6525
10°	6498	6472	6498
15°	6512	6460	6434
20°	6479	6354	6265
25°	6449	6264	5903
30°	6380	6003	5605
35°	6366	5752	5280
40°	6293	5448	4900
45°	6223	5119	4489
50°	6141	4756	3945
55°	6032	4305	3397
60°	5979	3729	2653
65°	5862	3040	1471
70°	5574	2087	1301
75°	5355	1331	1200
80°	4643	1209	1113
85°	3372	1062	963

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6223 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.7	4.0
10°-20°	327.6	11.5
20°-30°	482.3	17.0
30°-40°	552.4	19.5
40°-50°	532.3	18.8
50°-60°	427.9	15.1
60°-70°	260.8	9.2
70°-80°	114.4	4.0
80°-90°	25.8	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°	924.6	32.6
0°-40°	1477.0	52.0
0°-60°	2437.2	85.9
0°-90°	2838.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2838.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1212	1212	1212	1212	1212	
5°	1203	1208	1200	1211	1208	115
15°	1169	1166	1159	1159	1155	331
25°	1086	1077	1055	1019	994	500
35°	969	950	875	825	804	604
45°	818	776	672	613	590	632
55°	643	568	459	388	362	576
65°	460	354	239	156	116	453
75°	258	145	64	59	58	269
85°	55	19	17	17	16	67
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1212.4	1212.4	1212.4	1212.4	1212.4
2.5°	1212.4	1210.9	1204.6	1226.5	1210.9
5°	1203.1	1207.7	1199.9	1210.9	1207.7
7.5°	1203.1	1203.1	1189.0	1206.2	1203.1
10°	1189.0	1193.7	1184.3	1195.3	1189.0
12.5°	1181.2	1182.8	1171.8	1176.5	1173.4
15°	1168.7	1165.6	1159.4	1159.4	1154.7
17.5°	1165.6	1151.6	1136.0	1143.8	1136.0
20°	1131.3	1129.7	1109.4	1111.0	1093.8
22.5°	1115.7	1106.3	1087.6	1065.7	1045.5
25°	1086.0	1076.7	1054.8	1018.9	994.0
27.5°	1056.4	1053.3	1012.7	973.7	948.7
30°	1026.7	1018.9	965.9	922.2	901.9
32.5°	998.6	987.7	920.6	873.8	856.7
35°	969.0	950.3	875.4	825.4	803.6
37.5°	930.0	915.9	825.4	777.1	750.5
40°	895.7	875.4	775.5	719.3	697.5
42.5°	858.2	828.6	725.6	667.8	638.2
45°	817.6	775.5	672.5	613.2	589.8
47.5°	780.2	722.5	617.9	555.5	529.0
50°	733.4	675.6	568.0	500.9	471.2
52.5°	691.3	621.0	513.4	443.1	416.6
55°	642.9	568.0	458.8	388.5	362.0
57.5°	597.6	518.0	402.6	330.8	302.7
60°	555.5	460.3	346.4	273.1	246.5
62.5°	507.1	407.3	293.4	218.5	188.8
65°	460.3	354.2	238.7	156.0	115.5
67.5°	408.8	299.6	185.7	99.9	96.7
70°	354.2	248.1	132.6	84.3	82.7
72.5°	307.4	198.2	79.6	71.8	70.2
75°	257.5	145.1	64.0	59.3	57.7
77.5°	204.4	98.3	51.5	48.4	46.8
80°	149.8	46.8	39.0	35.9	35.9
82.5°	104.5	29.6	28.1	26.5	26.5
85°	54.6	18.7	17.2	17.2	15.6
87.5°	12.5	7.8	7.8	7.8	7.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)