

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: P1053641

Luminaire Tested: R6R4-75D-835-UNV-STD-W

Issue Date: 7/16/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053641
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-835-UNV-STD-W
Description: 4FT RIBBON LED LUMINAIRE WITH 3500K LEDS AT MID
Light Source: -
Ballast/Driver: -

Summary

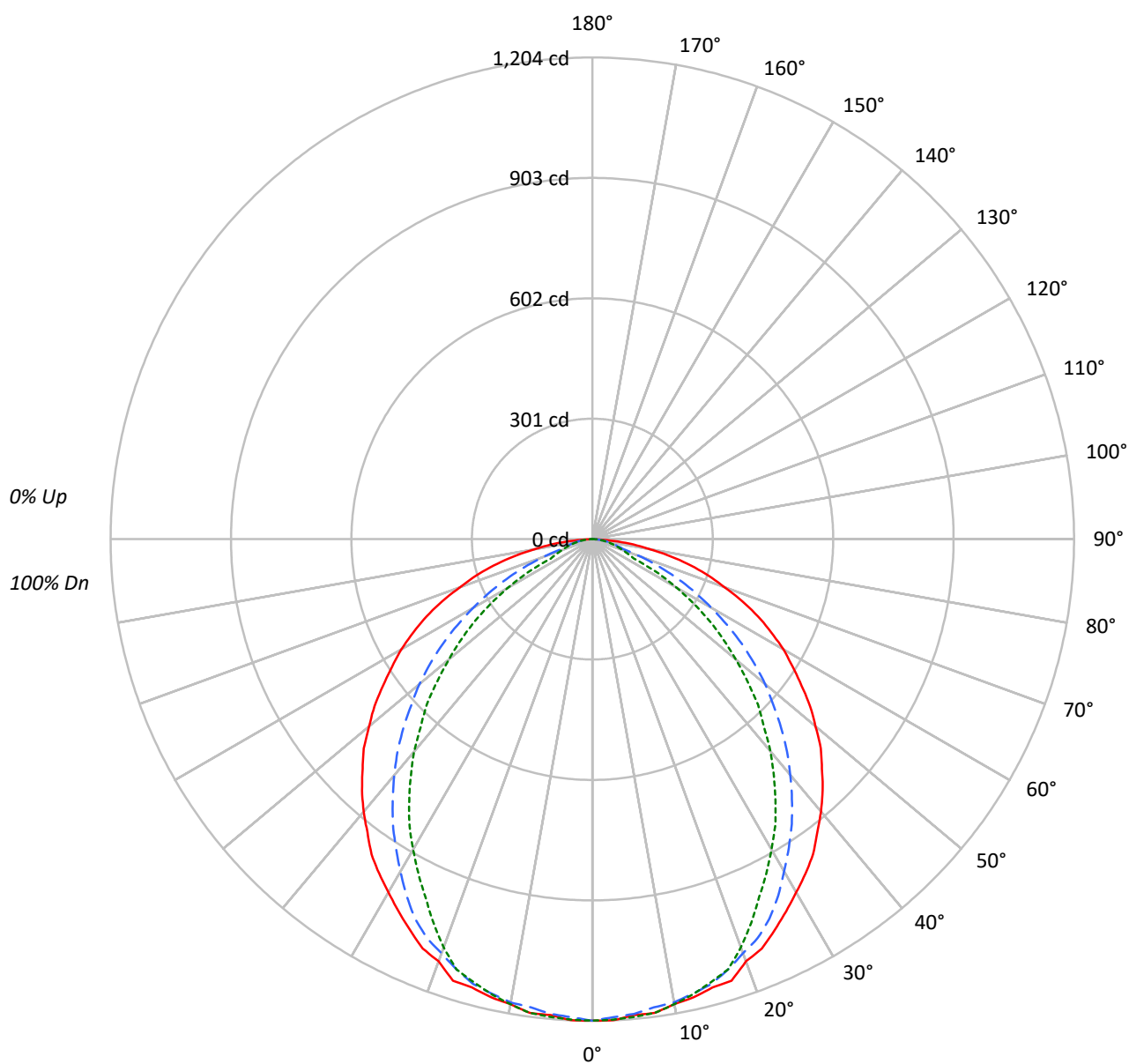
Lumens per Lamp: N/A
Luminaire Lumens: 2817.7 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.12 / 1.27
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27.7
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°	6478	6478	6478
5°	6453	6436	6478
10°	6451	6426	6451
15°	6465	6413	6388
20°	6432	6309	6220
25°	6403	6219	5860
30°	6335	5959	5565
35°	6320	5710	5242
40°	6247	5409	4865
45°	6179	5082	4457
50°	6096	4721	3917
55°	5989	4274	3372
60°	5936	3702	2635
65°	5820	3018	1459
70°	5534	2072	1292
75°	5315	1320	1192
80°	4609	1199	1103
85°	3347	1050	957

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6179 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.9	4.0
10°-20°	325.3	11.5
20°-30°	478.8	17.0
30°-40°	548.5	19.5
40°-50°	528.5	18.8
50°-60°	424.9	15.1
60°-70°	258.9	9.2
70°-80°	113.6	4.0
80°-90°	25.5	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°	917.9	32.6
0°-40°	1466.4	52.0
0°-60°	2419.7	85.9
0°-90°	2817.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2817.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1204	1204	1204	1204	1204	
5°	1194	1199	1191	1202	1199	114
15°	1160	1157	1151	1151	1146	328
25°	1078	1069	1047	1012	987	497
35°	962	943	869	820	798	600
45°	812	770	668	609	586	627
55°	638	564	456	386	359	572
65°	457	352	237	155	115	450
75°	256	144	64	59	57	267
85°	54	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°	1203.7	1203.7	1203.7	1203.7	1203.7
2.5°	1203.7	1202.2	1196.0	1217.6	1202.2
5°	1194.4	1199.1	1191.3	1202.2	1199.1
7.5°	1194.4	1194.4	1180.5	1197.5	1194.4
10°	1180.5	1185.1	1175.8	1186.7	1180.5
12.5°	1172.7	1174.3	1163.4	1168.1	1165.0
15°	1160.3	1157.2	1151.0	1151.0	1146.4
17.5°	1157.2	1143.3	1127.8	1135.5	1127.8
20°	1123.1	1121.6	1101.5	1103.0	1086.0
22.5°	1107.7	1098.4	1079.8	1058.1	1037.9
25°	1078.2	1068.9	1047.2	1011.6	986.8
27.5°	1048.8	1045.7	1005.4	966.7	941.9
30°	1019.4	1011.6	958.9	915.6	895.4
32.5°	991.5	980.6	914.0	867.5	850.5
35°	962.0	943.4	869.1	819.5	797.8
37.5°	923.3	909.4	819.5	771.5	745.1
40°	889.2	869.1	769.9	714.2	692.5
42.5°	852.0	822.6	720.4	663.0	633.6
45°	811.8	769.9	667.7	608.8	585.6
47.5°	774.6	717.3	613.5	551.5	525.2
50°	728.1	670.8	563.9	497.3	467.8
52.5°	686.3	616.6	509.7	440.0	413.6
55°	638.3	563.9	455.5	385.7	359.4
57.5°	593.3	514.3	399.7	328.4	300.5
60°	551.5	457.0	343.9	271.1	244.8
62.5°	503.5	404.3	291.2	216.9	187.4
65°	457.0	351.7	237.0	154.9	114.6
67.5°	405.9	297.4	184.4	99.1	96.0
70°	351.7	246.3	131.7	83.7	82.1
72.5°	305.2	196.7	79.0	71.3	69.7
75°	255.6	144.1	63.5	58.9	57.3
77.5°	202.9	97.6	51.1	48.0	46.5
80°	148.7	46.5	38.7	35.6	35.6
82.5°	103.8	29.4	27.9	26.3	26.3
85°	54.2	18.6	17.0	17.0	15.5
87.5°	12.4	7.7	7.7	7.7	7.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)