

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: P1053649

Luminaire Tested: R6R8-75D-835-UNV-STD-W

Issue Date: 7/16/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053649
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: R6R8-75D-835-UNV-STD-W
Description: 8FT RIBBON LED LUMINAIRE WITH 3500K LEDS AT MID
Light Source: -
Ballast/Driver: -

Summary

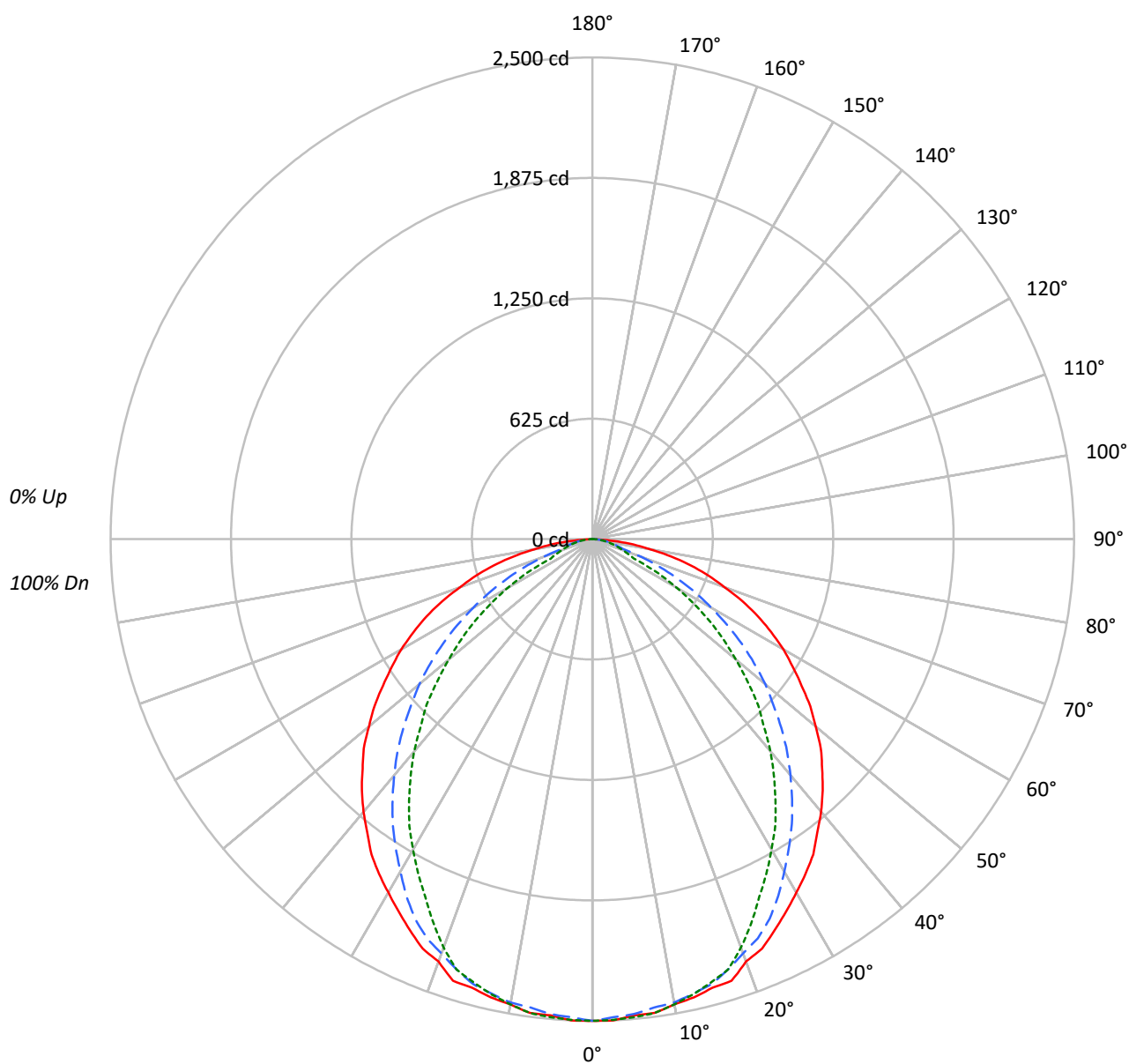
Lumens per Lamp: N/A
Luminaire Lumens: 5853.2 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.12 / 1.27
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 62.1
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

TEST NUMBER: P1053649

CATALOG NUMBER: R6R8-75D-835-UNV-STD-W

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°	6729	6729	6729
5°	6702	6685	6728
10°	6700	6674	6700
15°	6715	6661	6634
20°	6681	6552	6460
25°	6650	6459	6086
30°	6579	6189	5780
35°	6565	5931	5444
40°	6489	5618	5053
45°	6417	5278	4629
50°	6332	4904	4068
55°	6220	4439	3503
60°	6166	3845	2736
65°	6045	3135	1516
70°	5747	2152	1342
75°	5521	1371	1238
80°	4787	1247	1147
85°	3477	1093	994

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6417 cd/sqm

TEST NUMBER: P1053649

CATALOG NUMBER: R6R8-75D-835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.6	4.0
10°-20°	675.6	11.5
20°-30°	994.6	17.0
30°-40°	1139.3	19.5
40°-50°	1097.8	18.8
50°-60°	882.5	15.1
60°-70°	537.8	9.2
70°-80°	236.0	4.0
80°-90°	53.1	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°	1906.8	32.6
0°-40°	3046.0	52.0
0°-60°	5026.3	85.9
0°-90°	5853.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5853.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2500	2500	2500	2500	2500	
5°	2481	2491	2475	2497	2491	237
15°	2410	2404	2391	2391	2381	682
25°	2240	2220	2175	2101	2050	1032
35°	1998	1960	1805	1702	1657	1246
45°	1686	1599	1387	1265	1216	1302
55°	1326	1171	946	801	747	1188
65°	949	730	492	322	238	935
75°	531	299	132	122	119	555
85°	113	39	35	35	32	138
90°	0	0	0	0	0	

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CATALOG NUMBER: R6R8-75D-835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2500.4	2500.4	2500.4	2500.4	2500.4
2.5°	2500.4	2497.2	2484.3	2529.4	2497.2
5°	2481.1	2490.7	2474.6	2497.2	2490.7
7.5°	2481.1	2481.1	2452.1	2487.5	2481.1
10°	2452.1	2461.8	2442.5	2465.0	2452.1
12.5°	2436.0	2439.2	2416.7	2426.4	2419.9
15°	2410.3	2403.8	2391.0	2391.0	2381.3
17.5°	2403.8	2374.9	2342.7	2358.8	2342.7
20°	2333.1	2329.8	2288.0	2291.2	2255.8
22.5°	2300.9	2281.6	2242.9	2197.9	2156.1
25°	2239.7	2220.4	2175.4	2101.4	2049.9
27.5°	2178.6	2172.2	2088.5	2008.0	1956.5
30°	2117.4	2101.4	1991.9	1901.8	1860.0
32.5°	2059.5	2037.0	1898.6	1802.1	1766.7
35°	1998.4	1959.8	1805.3	1702.3	1657.3
37.5°	1917.9	1889.0	1702.3	1602.6	1547.9
40°	1847.1	1805.3	1599.3	1483.5	1438.4
42.5°	1769.9	1708.8	1496.4	1377.3	1316.2
45°	1686.2	1599.3	1387.0	1264.7	1216.4
47.5°	1609.0	1489.9	1274.3	1145.6	1090.9
50°	1512.5	1393.4	1171.4	1033.0	971.8
52.5°	1425.6	1280.8	1058.7	913.9	859.2
55°	1325.8	1171.4	946.1	801.3	746.6
57.5°	1232.5	1068.4	830.2	682.2	624.3
60°	1145.6	949.3	714.4	563.2	508.4
62.5°	1045.9	839.9	605.0	450.5	389.4
65°	949.3	730.5	492.4	321.8	238.1
67.5°	843.1	617.9	382.9	206.0	199.5
70°	730.5	511.7	273.5	173.8	170.6
72.5°	633.9	408.7	164.1	148.0	144.8
75°	531.0	299.3	131.9	122.3	119.1
77.5°	421.6	202.7	106.2	99.8	96.5
80°	308.9	96.5	80.5	74.0	74.0
82.5°	215.6	61.1	57.9	54.7	54.7
85°	112.6	38.6	35.4	35.4	32.2
87.5°	25.7	16.1	16.1	16.1	16.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)