

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: P1053650

Luminaire Tested: R6R8-75D-840-UNV-STD-W

Issue Date: 7/16/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053650
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-840-UNV-STD-W
Description: 8FT RIBBON LED LUMINAIRE WITH 3000K LEDS AT MID
Light Source: -
Ballast/Driver: -

Summary

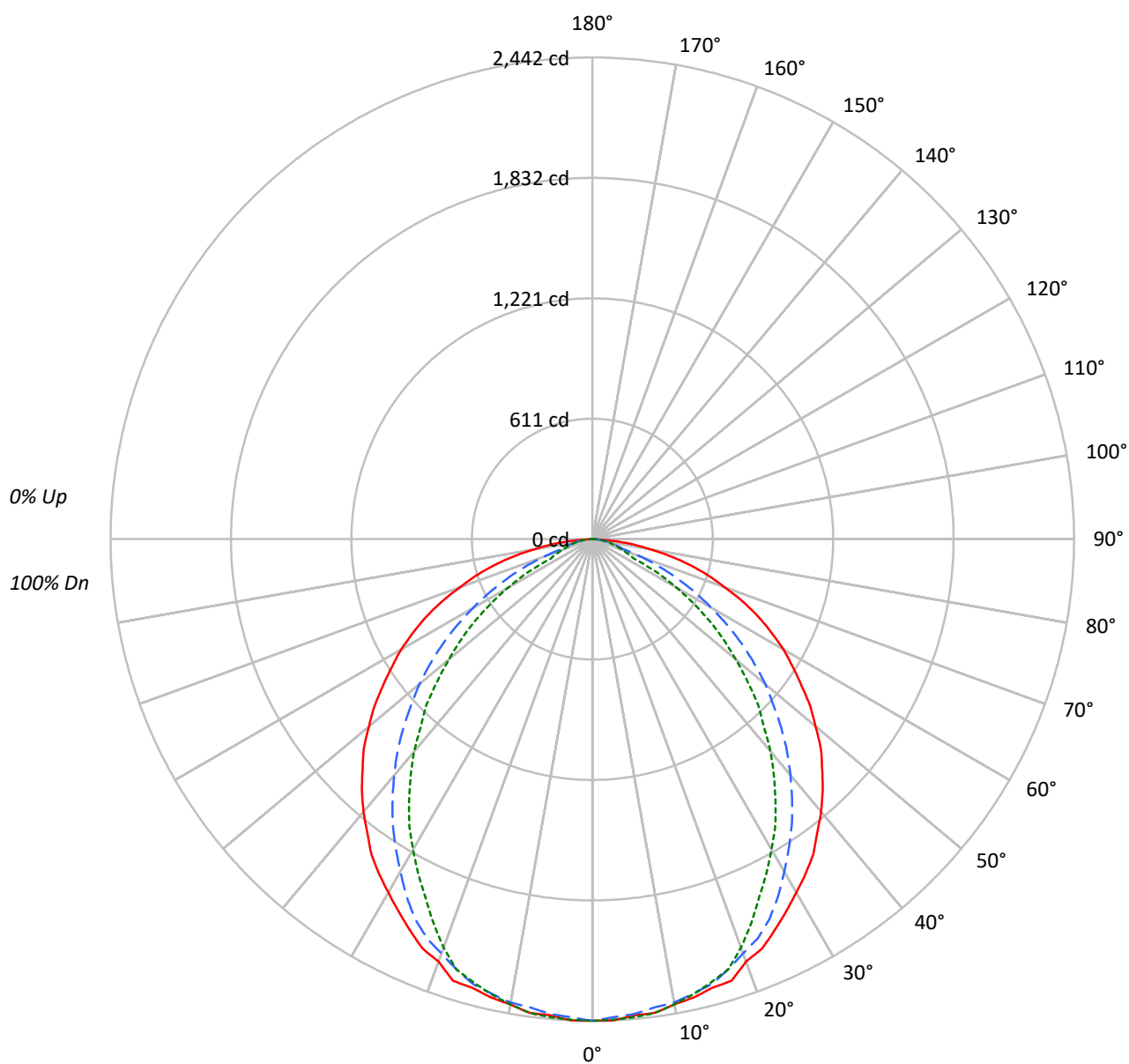
Lumens per Lamp: N/A
Luminaire Lumens: 5717.0 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.12 / 1.27
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Direct

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

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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	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°	6572	6572	6572
5°	6546	6529	6572
10°	6545	6519	6545
15°	6559	6506	6480
20°	6526	6400	6310
25°	6495	6309	5945
30°	6426	6046	5645
35°	6412	5793	5318
40°	6338	5488	4936
45°	6268	5155	4521
50°	6185	4790	3974
55°	6076	4335	3421
60°	6022	3756	2673
65°	5904	3062	1481
70°	5614	2102	1311
75°	5392	1340	1209
80°	4675	1218	1120
85°	3396	1068	969

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6268 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.1	4.0
10°-20°	659.9	11.5
20°-30°	971.4	17.0
30°-40°	1112.8	19.5
40°-50°	1072.2	18.8
50°-60°	862.0	15.1
60°-70°	525.2	9.2
70°-80°	230.5	4.0
80°-90°	51.9	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°	1862.4	32.6
0°-40°	2975.2	52.0
0°-60°	4909.4	85.9
0°-90°	5717.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5717.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2442	2442	2442	2442	2442	
5°	2423	2433	2417	2439	2433	231
15°	2354	2348	2335	2335	2326	666
25°	2188	2169	2125	2052	2002	1008
35°	1952	1914	1763	1663	1619	1217
45°	1647	1562	1355	1235	1188	1272
55°	1295	1144	924	783	729	1161
65°	927	714	481	314	233	913
75°	519	292	129	119	116	542
85°	110	38	35	35	31	135
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2442.2	2442.2	2442.2	2442.2	2442.2
2.5°	2442.2	2439.1	2426.5	2470.5	2439.1
5°	2423.4	2432.8	2417.1	2439.1	2432.8
7.5°	2423.4	2423.4	2395.1	2429.7	2423.4
10°	2395.1	2404.5	2385.7	2407.7	2395.1
12.5°	2379.4	2382.5	2360.5	2369.9	2363.7
15°	2354.2	2347.9	2335.4	2335.4	2325.9
17.5°	2347.9	2319.7	2288.2	2303.9	2288.2
20°	2278.8	2275.7	2234.8	2237.9	2203.4
22.5°	2247.4	2228.5	2190.8	2146.8	2105.9
25°	2187.6	2168.8	2124.8	2052.5	2002.2
27.5°	2127.9	2121.6	2039.9	1961.3	1911.0
30°	2068.2	2052.5	1945.6	1857.6	1816.8
32.5°	2011.6	1989.6	1854.5	1760.2	1725.6
35°	1951.9	1914.2	1763.3	1662.7	1618.7
37.5°	1873.3	1845.0	1662.7	1565.3	1511.9
40°	1804.2	1763.3	1562.2	1449.0	1405.0
42.5°	1728.7	1669.0	1461.6	1345.3	1285.6
45°	1647.0	1562.2	1354.7	1235.3	1188.1
47.5°	1571.6	1455.3	1244.7	1119.0	1065.5
50°	1477.3	1361.0	1144.1	1009.0	949.2
52.5°	1392.4	1251.0	1034.1	892.7	839.2
55°	1295.0	1144.1	924.1	782.6	729.2
57.5°	1203.8	1043.5	810.9	666.4	609.8
60°	1119.0	927.2	697.8	550.1	496.6
62.5°	1021.5	820.4	590.9	440.0	380.3
65°	927.2	713.5	480.9	314.3	232.6
67.5°	823.5	603.5	374.0	201.2	194.9
70°	713.5	499.8	267.2	169.7	166.6
72.5°	619.2	399.2	160.3	144.6	141.4
75°	518.6	292.3	128.9	119.4	116.3
77.5°	411.8	198.0	103.7	97.4	94.3
80°	301.7	94.3	78.6	72.3	72.3
82.5°	210.6	59.7	56.6	53.4	53.4
85°	110.0	37.7	34.6	34.6	31.4
87.5°	25.1	15.7	15.7	15.7	15.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)