

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: P1053648

Luminaire Tested: R6R8-75D-830-UNV-STD-W

Issue Date: 7/16/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053648
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-830-UNV-STD-W
Description: 8FT RIBBON LED LUMINAIRE WITH 4000K LEDS AT MID
Light Source: -
Ballast/Driver: -

Summary

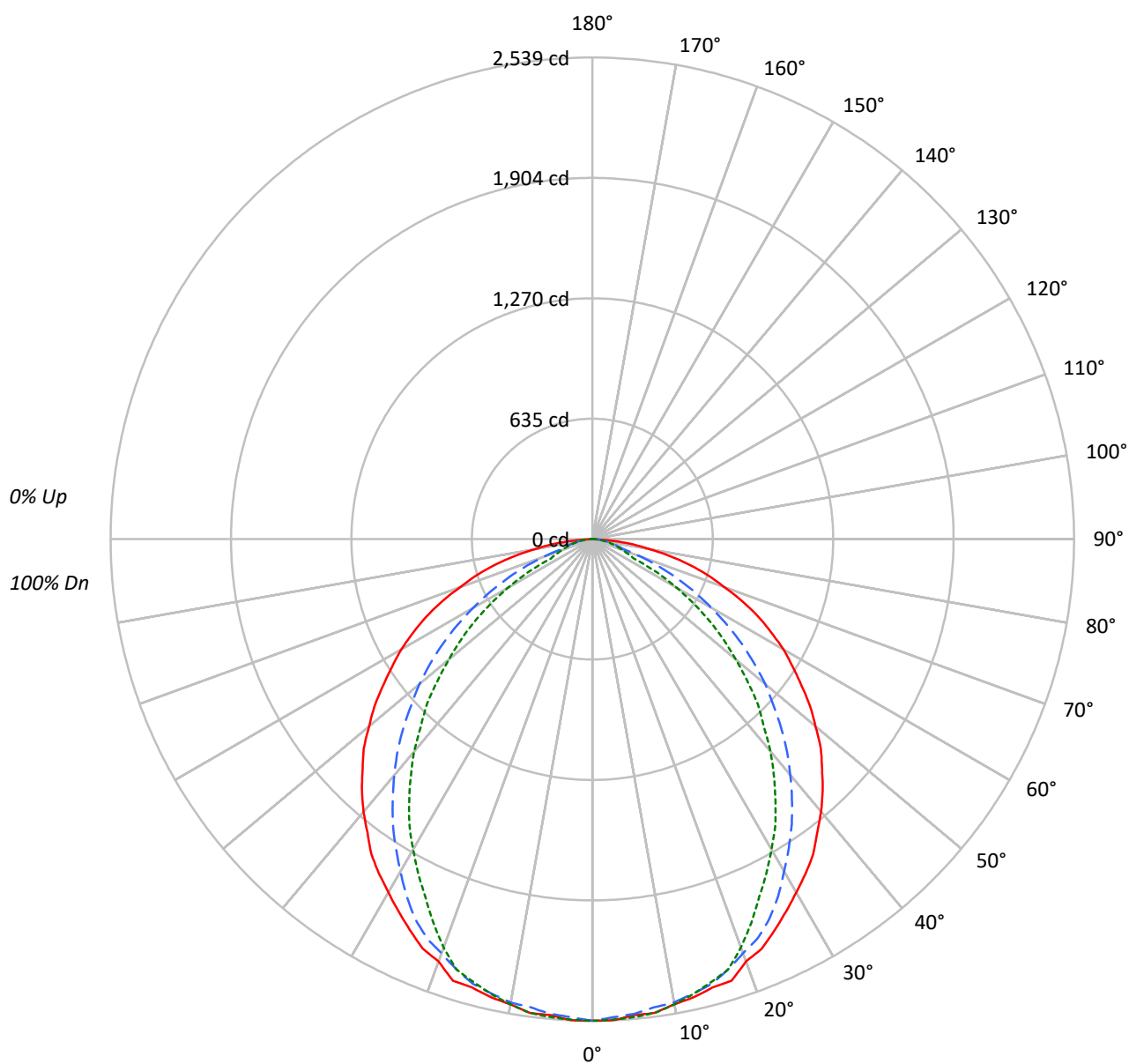
Lumens per Lamp: N/A
Luminaire Lumens: 5942.8 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.12 / 1.27
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Direct

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°	6832	6832	6832
5°	6805	6787	6831
10°	6803	6776	6803
15°	6818	6763	6736
20°	6783	6652	6559
25°	6752	6558	6180
30°	6680	6284	5868
35°	6665	6021	5528
40°	6588	5704	5130
45°	6516	5359	4700
50°	6429	4979	4131
55°	6315	4507	3556
60°	6260	3904	2778
65°	6137	3183	1540
70°	5836	2185	1363
75°	5605	1393	1257
80°	4861	1266	1164
85°	3532	1108	1010

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6516 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.2	4.0
10°-20°	686.0	11.5
20°-30°	1009.8	17.0
30°-40°	1156.7	19.5
40°-50°	1114.6	18.8
50°-60°	896.0	15.1
60°-70°	546.0	9.2
70°-80°	239.6	4.0
80°-90°	53.9	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°	1936.0	32.6
0°-40°	3092.7	52.0
0°-60°	5103.3	85.9
0°-90°	5942.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5942.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2539	2539	2539	2539	2539	
5°	2519	2529	2512	2535	2529	240
15°	2447	2441	2428	2428	2418	692
25°	2274	2254	2209	2134	2081	1048
35°	2029	1990	1833	1728	1683	1266
45°	1712	1624	1408	1284	1235	1322
55°	1346	1189	961	814	758	1207
65°	964	742	500	327	242	949
75°	539	304	134	124	121	564
85°	114	39	36	36	33	140
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2538.7	2538.7	2538.7	2538.7	2538.7
2.5°	2538.7	2535.4	2522.3	2568.1	2535.4
5°	2519.1	2528.9	2512.5	2535.4	2528.9
7.5°	2519.1	2519.1	2489.7	2525.6	2519.1
10°	2489.7	2499.5	2479.9	2502.7	2489.7
12.5°	2473.3	2476.6	2453.7	2463.5	2457.0
15°	2447.2	2440.7	2427.6	2427.6	2417.8
17.5°	2440.7	2411.3	2378.6	2394.9	2378.6
20°	2368.8	2365.5	2323.0	2326.3	2290.4
22.5°	2336.1	2316.5	2277.3	2231.6	2189.1
25°	2274.0	2254.4	2208.7	2133.5	2081.3
27.5°	2212.0	2205.4	2120.5	2038.8	1986.5
30°	2149.9	2133.5	2022.5	1931.0	1888.5
32.5°	2091.1	2068.2	1927.7	1829.7	1793.7
35°	2029.0	1989.8	1832.9	1728.4	1682.7
37.5°	1947.3	1917.9	1728.4	1627.1	1571.6
40°	1875.4	1832.9	1623.8	1506.2	1460.5
42.5°	1797.0	1734.9	1519.3	1398.4	1336.3
45°	1712.1	1623.8	1408.2	1284.0	1235.0
47.5°	1633.6	1512.8	1293.8	1163.2	1107.6
50°	1535.6	1414.7	1189.3	1048.8	986.7
52.5°	1447.4	1300.4	1074.9	927.9	872.4
55°	1346.1	1189.3	960.6	813.6	758.0
57.5°	1251.4	1084.7	843.0	692.7	633.9
60°	1163.2	963.8	725.3	571.8	516.2
62.5°	1061.9	852.8	614.2	457.4	395.3
65°	963.8	741.7	499.9	326.7	241.8
67.5°	856.0	627.3	388.8	209.1	202.6
70°	741.7	519.5	277.7	176.4	173.2
72.5°	643.7	414.9	166.6	150.3	147.0
75°	539.1	303.9	134.0	124.2	120.9
77.5°	428.0	205.8	107.8	101.3	98.0
80°	313.7	98.0	81.7	75.1	75.1
82.5°	218.9	62.1	58.8	55.5	55.5
85°	114.4	39.2	35.9	35.9	32.7
87.5°	26.1	16.3	16.3	16.3	16.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)