

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: PORTFOLIO

Report Number: P1316052

Luminaire Tested: LDSQA3D02R159740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

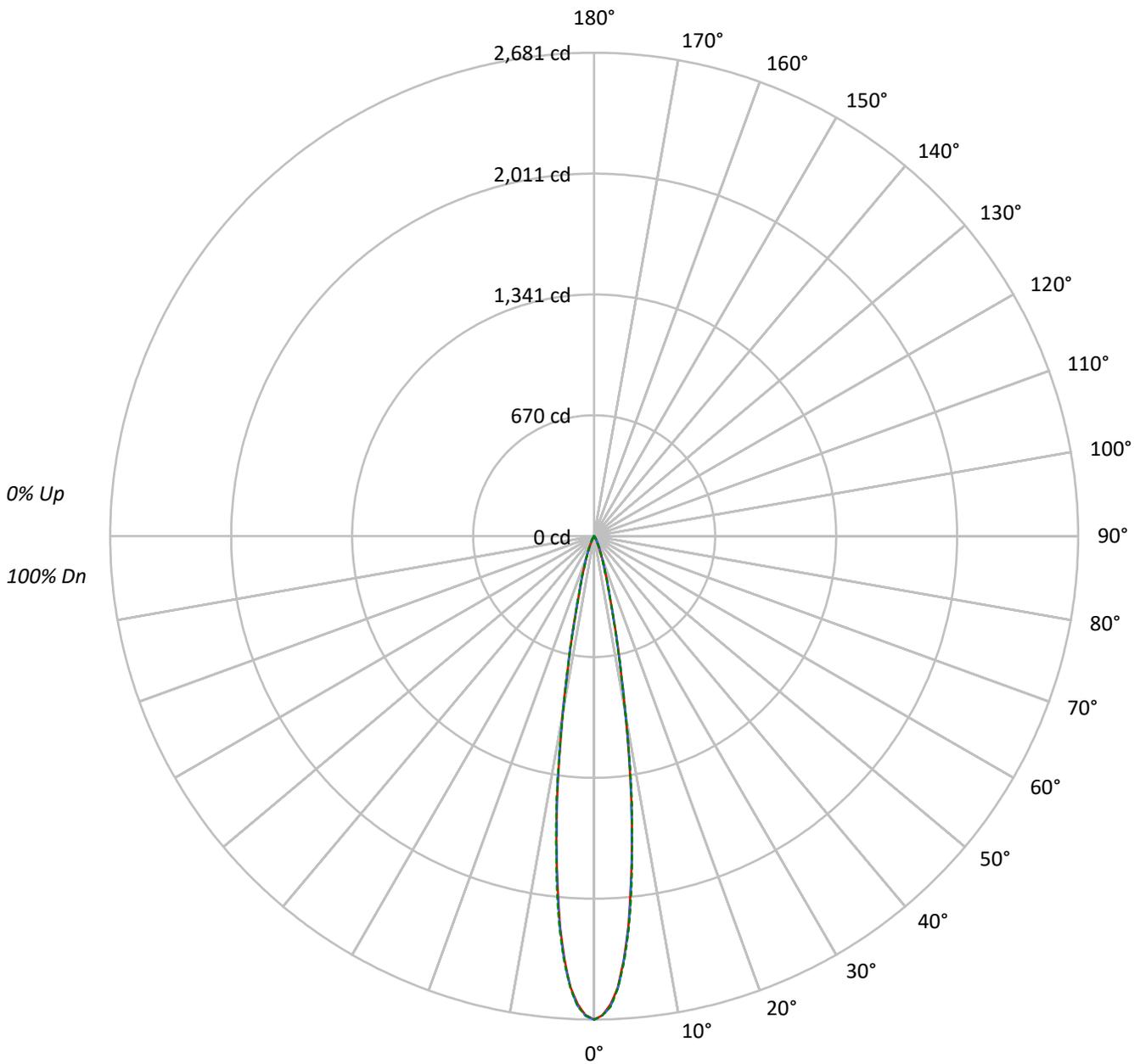
Test Method: LM-79-2019  
Report Number: P1316052  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R159740DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 301.0 lumens  
Efficiency: N/A  
Efficacy: 83.6 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 3.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



0% Up  
100% Dn

— 0°-180°    - - 45°-225°    - · - · 90°-270°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	99	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	91	90
6	102	97	94	91	101	97	93	91	95	93	90	94	92	90	93	91	89	93	91	89	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	88	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	90	88	86	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	85	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	461763	461763	461763
5°	375479	376793	378107
10°	174862	175037	174075
15°	54113	56039	54987
20°	21572	22781	21315
25°	9026	10641	8570
30°	3659	4892	3381
35°	1198	2229	1093
40°	427	899	427
45°	170	292	170
50°	134	188	134
55°	150	150	150
60°	172	172	172
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 292 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.8	55.8
10°-20°	100.3	33.3
20°-30°	25.5	8.5
30°-40°	5.6	1.8
40°-50°	0.9	0.3
50°-60°	0.5	0.2
60°-70°	0.2	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	293.7	97.6
0°-40°	299.3	99.4
0°-60°	300.6	99.9
0°-90°	301.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	301.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2681	2681	2681	2681	2681	
5°	2172	2175	2180	2170	2187	167
15°	304	312	314	310	308	100
25°	48	51	56	50	45	24
35°	6	7	11	7	5	4
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2681.2	2681.2	2681.2	2681.2	2681.2
1°	2657.8	2662.3	2663.0	2662.3	2658.5
2°	2598.0	2611.3	2608.4	2602.8	2610.8
3°	2505.6	2512.3	2511.3	2511.8	2509.9
4°	2355.3	2366.9	2360.3	2365.3	2365.7
5°	2171.9	2175.0	2179.5	2169.6	2187.1
6°	1946.2	1965.8	1948.6	1965.6	1972.5
7°	1716.7	1728.1	1706.1	1717.9	1725.0
8°	1482.1	1462.2	1474.3	1474.5	1497.9
9°	1228.7	1232.7	1242.9	1231.3	1241.5
10°	999.9	1009.2	1000.9	996.9	995.4
11°	789.6	800.0	799.3	800.5	792.7
12°	635.3	629.8	633.4	621.8	627.0
13°	494.4	494.7	491.8	487.1	482.8
14°	387.4	385.0	391.6	385.7	380.3
15°	303.5	312.0	314.3	309.8	308.4
17.5°	187.2	187.4	190.7	186.5	186.0
20°	117.7	120.5	124.3	119.8	116.3
22.5°	74.4	77.0	83.0	77.3	72.3
25°	47.5	50.8	56.0	49.6	45.1
27.5°	29.8	32.9	37.8	31.9	28.6
30°	18.4	20.6	24.6	20.1	17.0
32.5°	10.6	12.8	16.1	12.1	10.2
35°	5.7	7.3	10.6	7.1	5.2
37.5°	3.3	4.3	6.9	3.8	3.1
40°	1.9	2.6	4.0	2.4	1.9
42.5°	1.2	1.7	1.9	1.4	0.9
45°	0.7	0.9	1.2	0.9	0.7
47.5°	0.5	0.7	0.9	0.5	0.5
50°	0.5	0.5	0.7	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)