

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: P1319653

Luminaire Tested: LDSQA3D02R259840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

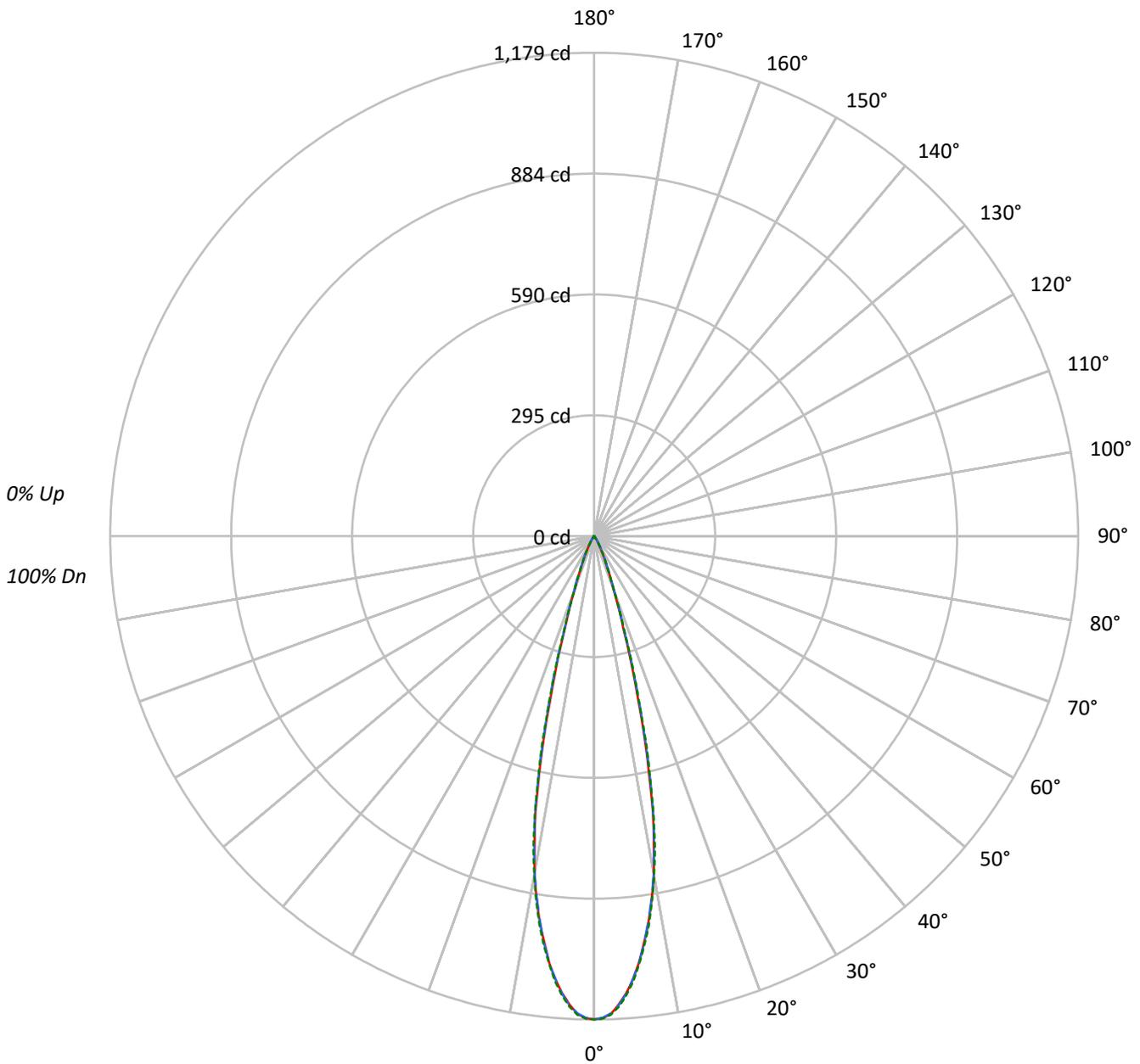
Test Method: LM-79-2019  
Report Number: P1319653  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R259840DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 249.1 lumens  
Efficiency: N/A  
Efficacy: 69.2 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41  
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									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	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	100	99	99	97	97	95	94	94	91	91	89	86	84	82	80	78													
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97	97	95	94	91	91	89	86	84	82	80	78	76	74	72	70													
2	112	108	105	103	110	106	104	102	103	101	100	101	99	97	98	97	95	94	93	91	91	89	87	86	84	82	80	78	76	74	72	70	68													
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	90	89	87	86	84	82	80	78	76	74	72	70	68	66	64													
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89	87	86	84	82	80	78	76	74	72	70	68	66	64	62	60													
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86	84	82	80	78	76	74	72	70	68	66	64	62	60	58	56													
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84	82	80	78	76	74	72	70	68	66	64	62	60	58	56	54	52												
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	80	78	76	74	72	70	68	66	64	62	60	58	56	54	52	50												
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	78	76	74	72	70	68	66	64	62	60	58	56	54	52	50	48												
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78	76	74	72	70	68	66	64	62	60	58	56	54	52	50	48	46												
10	90	84	80	78	89	83	80	77	83	80	77	82	79	77	81	79	77	76	74	72	70	68	66	64	62	60	58	56	54	52	50	48	46	44												

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

	0°	45°	90°
0°	202999	202999	202999
5°	187506	187437	188474
10°	146462	146059	147056
15°	73691	76757	76686
20°	25219	25915	25494
25°	10128	11402	10565
30°	4117	4912	3997
35°	1198	2144	1198
40°	562	944	562
45°	195	365	195
50°	107	161	107
55°	120	120	120
60°	138	138	138
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	198	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 365 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.6	38.4
10°-20°	117.0	47.0
20°-30°	28.6	11.5
30°-40°	5.9	2.4
40°-50°	1.0	0.4
50°-60°	0.4	0.1
60°-70°	0.3	0.1
70°-80°	0.2	0.1
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°	241.3	96.9
0°-40°	247.2	99.2
0°-60°	248.6	99.8
0°-90°	249.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	249.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1179	1179	1179	1179	1179	
5°	1085	1086	1084	1086	1090	96
15°	413	420	430	432	430	115
25°	53	56	60	56	56	27
35°	6	8	10	8	6	5
45°	1	1	2	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°	1178.7	1178.7	1178.7	1178.7	1178.7
1°	1176.4	1174.9	1174.5	1174.7	1176.6
2°	1165.8	1164.8	1164.6	1165.2	1167.9
3°	1144.1	1145.3	1145.7	1147.6	1148.9
4°	1117.6	1119.8	1118.9	1121.2	1122.7
5°	1084.6	1085.5	1084.2	1086.5	1090.2
6°	1046.0	1042.6	1045.9	1046.8	1049.5
7°	998.0	998.8	999.9	1001.1	1005.1
8°	950.8	948.5	947.9	953.3	956.5
9°	895.6	896.0	893.9	899.9	900.9
10°	837.5	832.8	835.2	840.0	840.9
11°	760.9	759.5	763.1	770.5	776.4
12°	688.9	689.7	693.5	696.0	694.6
13°	593.9	599.6	604.3	606.8	603.6
14°	507.9	507.9	514.0	515.0	526.5
15°	413.3	420.3	430.5	432.4	430.1
17.5°	238.7	239.6	244.6	244.4	248.0
20°	137.6	138.9	141.4	140.8	139.1
22.5°	82.7	85.6	91.5	86.7	85.4
25°	53.3	55.8	60.0	56.5	55.6
27.5°	33.4	35.1	38.3	35.3	33.8
30°	20.7	21.6	24.7	21.8	20.1
32.5°	11.2	13.7	16.1	13.7	11.2
35°	5.7	8.0	10.2	7.8	5.7
37.5°	3.8	4.6	6.6	4.4	3.8
40°	2.5	3.0	4.2	3.0	2.5
42.5°	1.3	1.9	2.3	2.1	1.3
45°	0.8	1.1	1.5	1.1	0.8
47.5°	0.6	0.6	0.9	0.6	0.4
50°	0.4	0.4	0.6	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.2	0.4	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°	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.2	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)