

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: P1309914

Luminaire Tested: LDSQA3D02R459035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

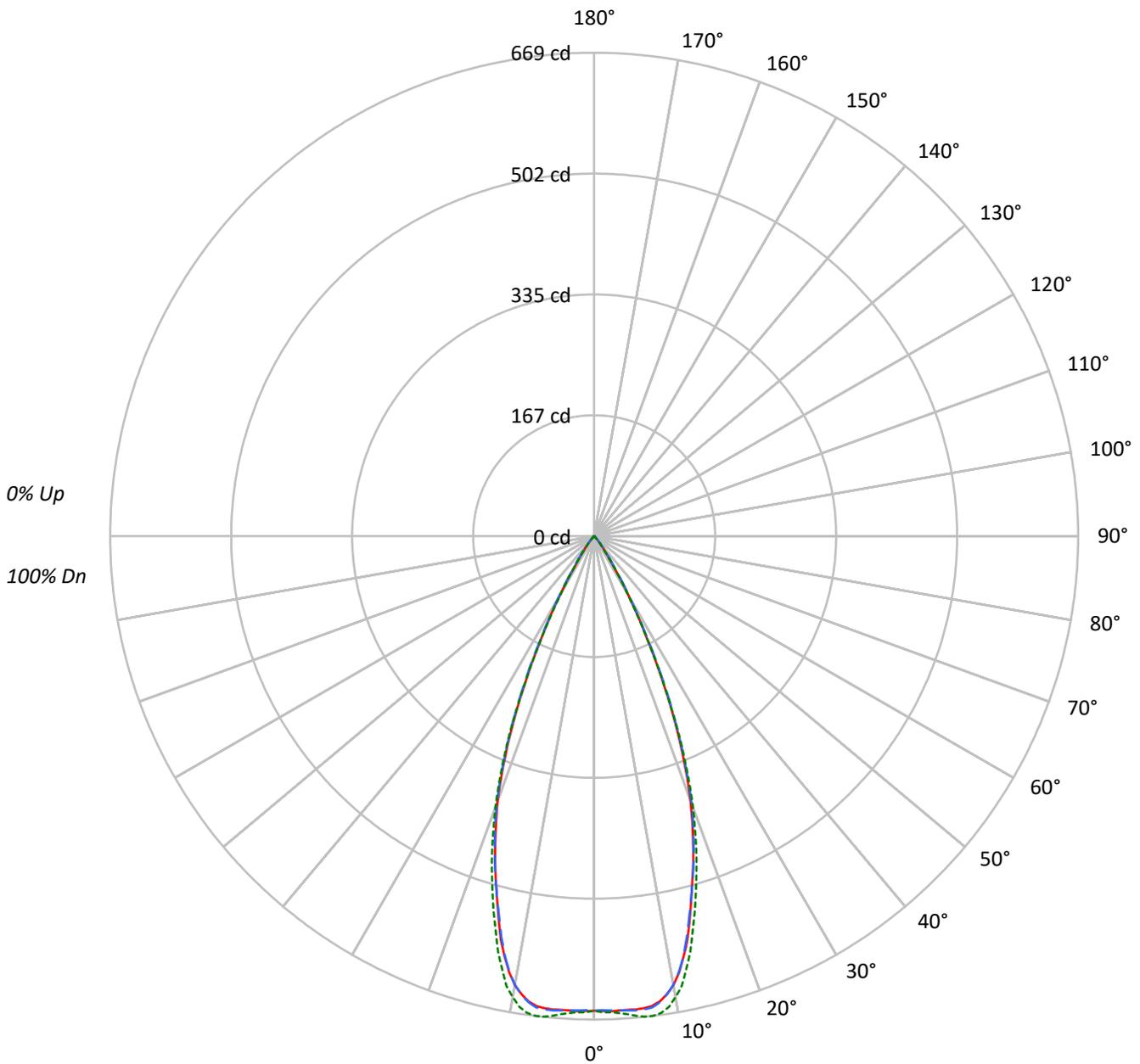
Test Method: LM-79-2019  
Report Number: P1309914  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R459035DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 340.1 lumens  
Efficiency: N/A  
Efficacy: 94.5 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67  
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°-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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	80	80	80	79
6	94	86	82	78	92	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	69	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

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

	0°	45°	90°
0°	113133	113133	113133
5°	113704	113911	115225
10°	110331	110244	113304
15°	92465	92412	95817
20°	71477	72211	73219
25°	43820	44732	43915
30°	18793	19648	18196
35°	5908	7106	5740
40°	2023	2585	1978
45°	365	1096	317
50°	214	402	214
55°	240	240	240
60°	172	172	172
65°	204	204	204
70°	151	151	151
75°	200	200	200
80°	298	298	298
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1096 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.4	18.4
10°-20°	144.3	42.4
20°-30°	105.6	31.1
30°-40°	23.3	6.9
40°-50°	2.9	0.8
50°-60°	0.7	0.2
60°-70°	0.5	0.1
70°-80°	0.3	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°	312.3	91.8
0°-40°	335.7	98.7
0°-60°	339.3	99.7
0°-90°	340.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	340.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	657	657	657	657	657	
5°	658	657	659	664	666	62
15°	519	516	518	531	537	143
25°	231	230	235	234	231	104
35°	28	30	34	30	27	22
45°	2	2	4	2	1	2
55°	1	1	1	1	1	1
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°	656.9	656.9	656.9	656.9	656.9
1°	657.4	656.4	656.2	657.9	659.2
2°	657.9	656.7	656.9	658.7	659.4
3°	657.4	656.2	657.4	659.9	660.9
4°	657.2	656.7	657.9	661.4	663.2
5°	657.7	657.2	658.9	663.7	666.5
6°	656.9	656.2	658.7	664.7	668.7
7°	655.2	654.4	657.2	664.4	669.0
8°	650.4	648.9	651.7	660.7	666.2
9°	641.9	639.9	642.6	653.2	659.7
10°	630.9	628.6	630.4	640.6	647.9
11°	615.1	612.1	614.1	625.1	634.6
12°	595.0	590.8	593.3	605.8	612.6
13°	573.2	569.2	569.7	581.0	590.5
14°	546.1	540.9	543.1	554.9	562.4
15°	518.6	515.8	518.3	530.9	537.4
17.5°	455.4	455.2	457.4	466.7	470.2
20°	390.0	390.7	394.0	399.0	399.5
22.5°	312.5	312.8	316.3	319.8	319.1
25°	230.6	230.3	235.4	233.6	231.1
27.5°	152.9	153.9	158.4	155.1	152.6
30°	94.5	96.5	98.8	94.7	91.5
32.5°	51.1	54.4	57.6	54.1	50.9
35°	28.1	29.6	33.8	29.6	27.3
37.5°	16.3	17.0	19.8	17.0	15.5
40°	9.0	10.3	11.5	10.3	8.8
42.5°	3.8	5.8	7.0	5.8	3.8
45°	1.5	2.5	4.5	2.5	1.3
47.5°	0.8	1.0	2.8	1.0	0.8
50°	0.8	0.8	1.5	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	0.8
60°	0.5	0.5	0.5	0.8	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.3	0.3	0.3	0.5	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3
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)