

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: P1312140

Luminaire Tested: LDSQA3D02R509050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312140  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R509050DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

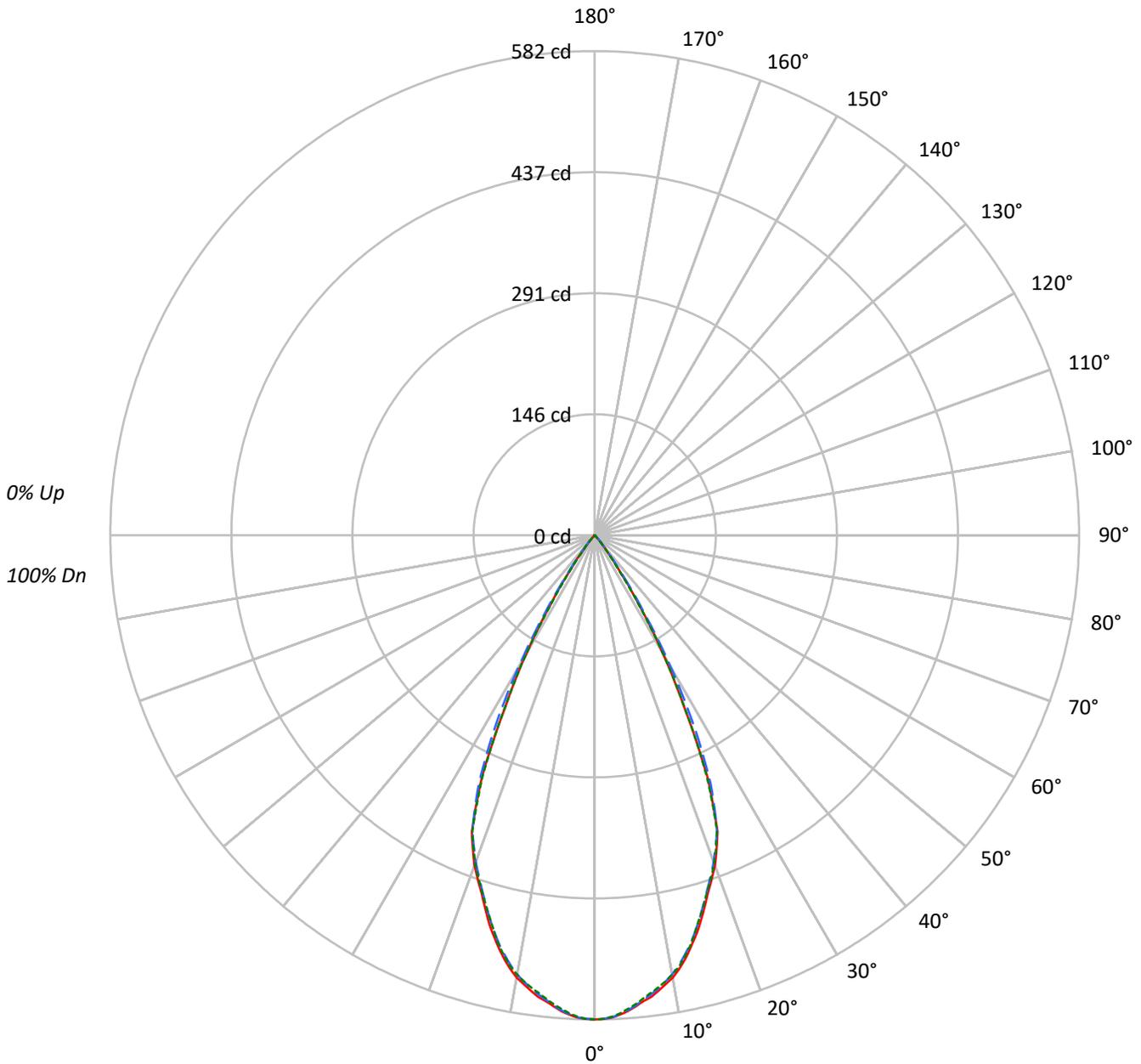
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 375.0 lumens  
Efficiency: N/A  
Efficacy: 104.2 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

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

	0°	45°	90°
0°	100216	100216	100216
5°	98248	98075	97799
10°	94400	93753	93805
15°	86671	85850	85761
20°	77416	76591	76994
25°	60847	62614	60352
30°	32554	36472	32654
35°	10638	12425	10008
40°	2630	3282	2518
45°	317	1169	317
50°	214	348	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: 1169 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.2	14.2
10°-20°	134.6	35.9
20°-30°	141.5	37.7
30°-40°	40.8	10.9
40°-50°	3.3	0.9
50°-60°	0.7	0.2
60°-70°	0.5	0.1
70°-80°	0.3	0.1
80°-90°	0.1	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°	329.3	87.8
0°-40°	370.1	98.7
0°-60°	374.1	99.8
0°-90°	375.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	375.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	582	582	582	582	582	
5°	568	568	567	568	566	53
15°	486	483	482	482	481	135
25°	320	328	330	326	318	139
35°	51	52	59	51	48	39
45°	1	3	5	3	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°	581.9	581.9	581.9	581.9	581.9
1°	581.6	582.2	581.1	583.0	581.4
2°	580.3	580.6	580.0	581.4	579.2
3°	577.1	577.6	576.6	577.6	575.8
4°	573.4	573.4	572.3	573.1	570.7
5°	568.3	568.1	567.3	567.8	565.7
6°	563.0	562.7	561.4	561.4	559.8
7°	559.0	557.1	556.1	555.8	554.2
8°	552.6	552.1	550.0	550.0	548.9
9°	546.2	545.7	543.3	543.8	543.0
10°	539.8	538.0	536.1	536.4	536.4
11°	531.3	529.7	527.1	528.1	528.7
12°	521.2	519.3	516.9	519.1	518.8
13°	510.0	508.4	506.6	508.2	507.6
14°	498.3	495.9	494.3	495.4	494.9
15°	486.1	482.9	481.5	481.5	481.0
17.5°	451.7	449.9	448.5	447.7	449.6
20°	422.4	420.9	417.9	418.7	420.1
22.5°	385.7	385.4	383.8	382.5	384.1
25°	320.2	328.2	329.5	325.8	317.6
27.5°	232.7	251.3	257.9	249.2	234.0
30°	163.7	172.5	183.4	166.1	164.2
32.5°	98.8	101.2	111.3	99.3	96.6
35°	50.6	52.4	59.1	50.6	47.6
37.5°	23.7	24.8	27.4	23.7	22.1
40°	11.7	13.0	14.6	12.2	11.2
42.5°	5.1	6.7	8.5	6.4	4.5
45°	1.3	2.7	4.8	2.7	1.3
47.5°	0.8	1.1	2.7	1.1	0.8
50°	0.8	0.8	1.3	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	0.8	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	0.3	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	0.3	0.0	0.3	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)