

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: P1309002

Luminaire Tested: LDSQA3D05R709030DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

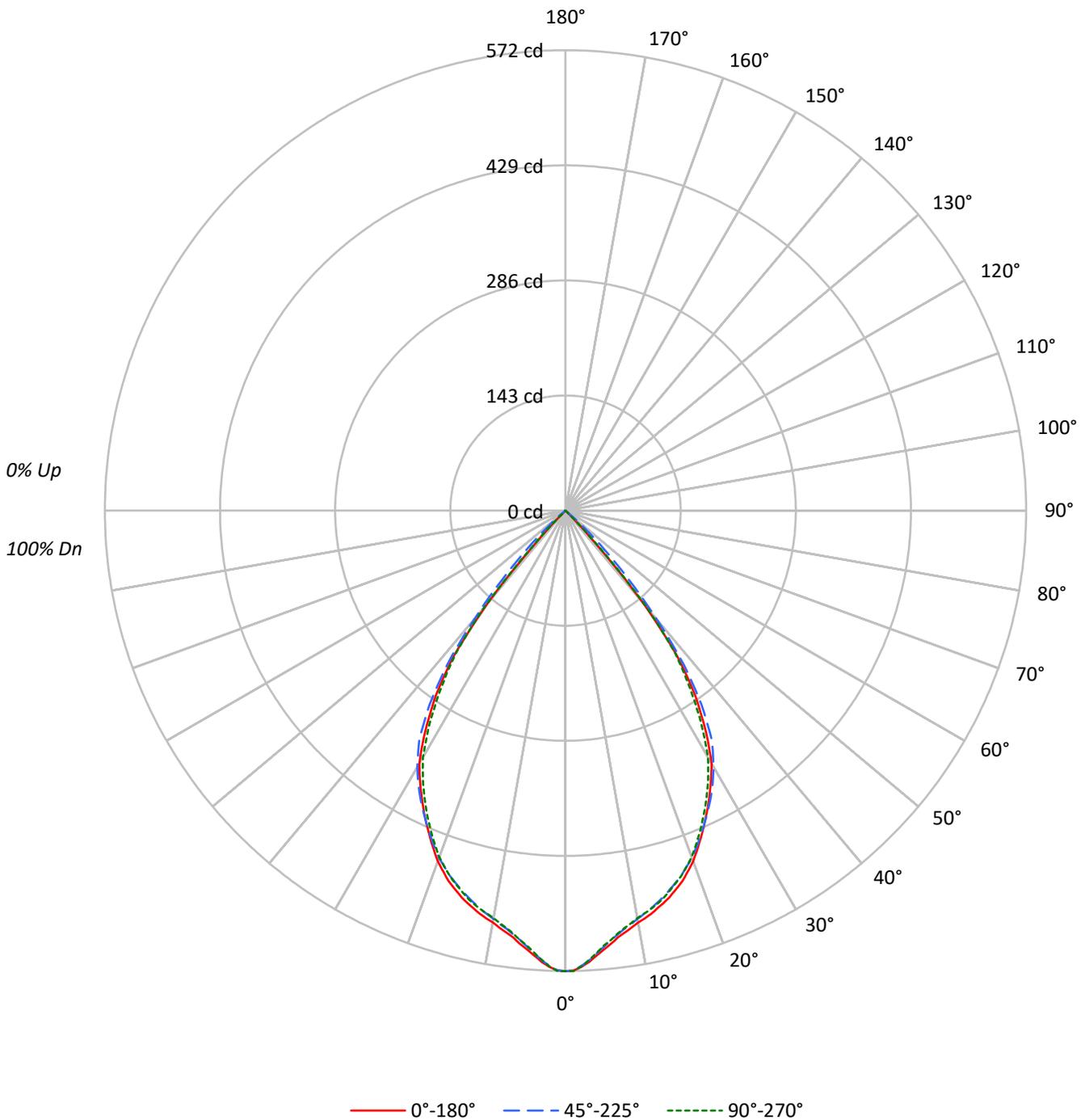
Test Method: LM-79-2019  
Report Number: P1309002  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R709030DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 592.0 lumens  
Efficiency: N/A  
Efficacy: 82.2 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
Input Voltage (V): NR  
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			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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	95	95	95	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	88	88	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	81	81	81	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	75	75	75	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	70	70	70	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	65	65	65	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	60	60	60	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	56	56	56	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	53	53	53	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	49	49	49	48

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

	0°	45°	90°
0°	98546	98546	98546
5°	94600	94082	93822
10°	90885	90080	89906
15°	88721	87473	87651
20°	84967	84142	83959
25°	78861	79051	77816
30°	72188	73183	70379
35°	59058	61896	56724
40°	33993	39613	34892
45°	487	16465	1705
50°	0	1742	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 16465 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.1	8.6
10°-20°	138.3	23.4
20°-30°	190.0	32.1
30°-40°	172.3	29.1
40°-50°	40.0	6.8
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	379.4	64.1
0°-40°	551.8	93.2
0°-60°	592.0	100.0
0°-90°	592.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	592.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	572	572	572	572	572	
5°	547	546	544	543	543	51
15°	498	494	491	491	492	140
25°	415	417	416	412	410	190
35°	281	285	294	282	270	169
45°	2	22	68	29	7	24
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°	572.2	572.2	572.2	572.2	572.2
1°	571.7	570.7	571.2	571.7	572.2
2°	567.2	566.2	566.2	566.7	566.7
3°	561.7	559.7	559.7	559.2	559.2
4°	554.2	552.7	551.7	551.2	551.2
5°	547.2	545.7	544.2	543.2	542.7
6°	541.2	538.7	536.7	536.2	536.7
7°	534.2	532.7	530.7	529.2	529.7
8°	529.2	527.2	524.7	523.7	523.7
9°	524.7	522.7	520.2	518.2	519.2
10°	519.7	517.7	515.1	513.6	514.1
11°	516.1	513.6	510.6	509.6	510.1
12°	512.1	509.1	506.1	505.6	506.6
13°	507.1	504.1	501.1	501.1	502.1
14°	502.6	499.1	496.1	496.1	497.6
15°	497.6	494.1	490.6	490.6	491.6
17.5°	482.6	479.6	476.1	476.1	476.6
20°	463.6	462.1	459.1	457.6	458.1
22.5°	439.6	439.6	438.1	435.5	434.5
25°	415.0	417.0	416.0	412.0	409.5
27.5°	389.5	393.0	393.5	387.5	383.0
30°	363.0	366.0	368.0	361.0	353.9
32.5°	323.9	332.9	337.9	328.4	313.9
35°	280.9	284.9	294.4	281.9	269.8
37.5°	228.3	233.3	241.3	231.3	224.3
40°	151.2	171.2	176.2	171.2	155.2
42.5°	54.6	96.1	115.6	98.1	64.1
45°	2.0	22.5	67.6	29.0	7.0
47.5°	0.0	0.5	30.5	1.0	0.0
50°	0.0	0.0	6.5	0.0	0.0
52.5°	0.0	0.0	0.5	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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)