

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: P1307676

Luminaire Tested: LDSQA3D02R459027DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

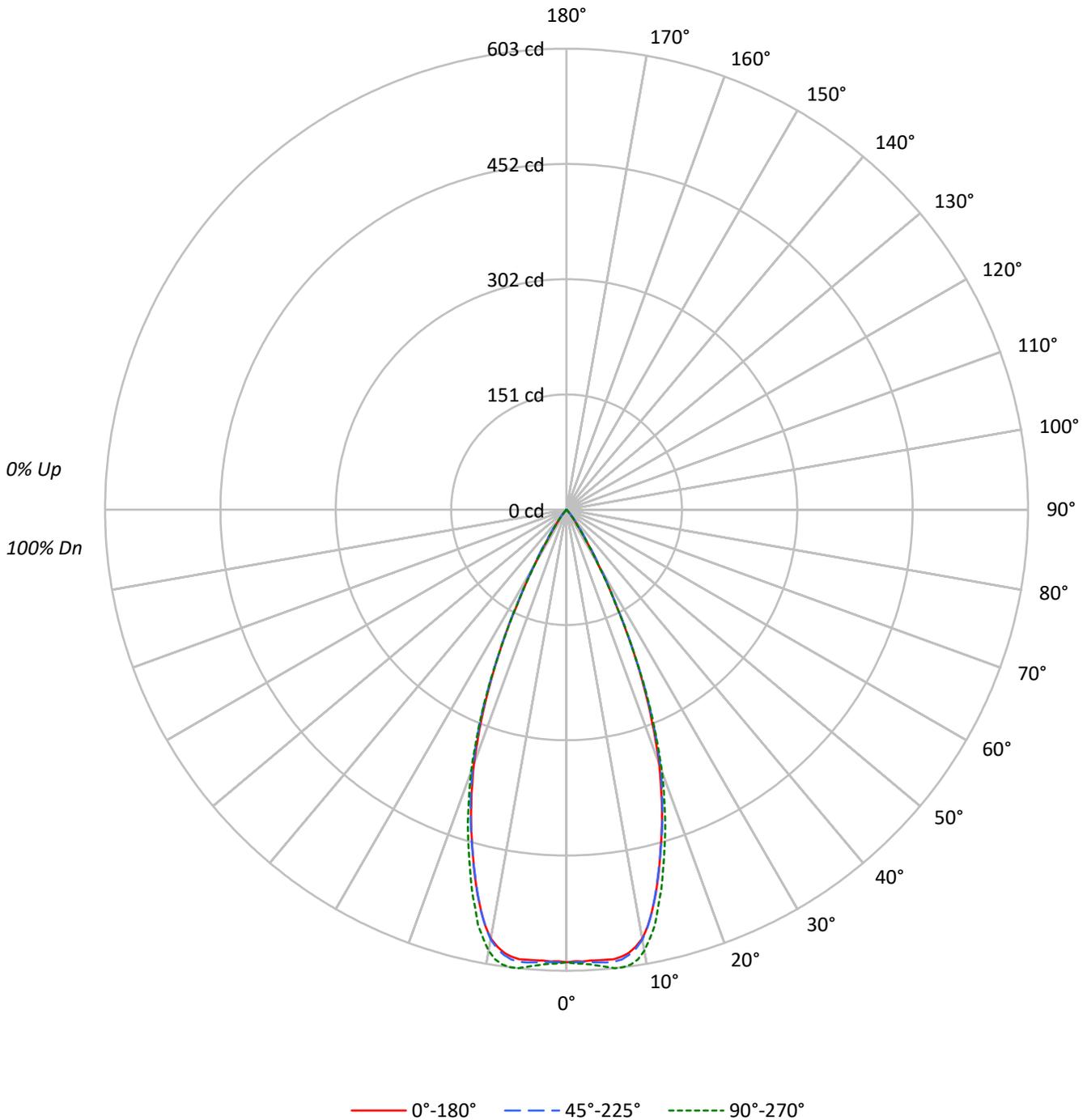
Test Method: LM-79-2019  
Report Number: P1307676  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R459027DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 306.0 lumens  
Efficiency: N/A  
Efficacy: 85.0 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.74 / 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 (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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	79	76	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	71	67	65	64

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

	0°	45°	90°
0°	101939	101939	101939
5°	102155	102760	103780
10°	99611	99804	102427
15°	84032	84068	86831
20°	64861	65778	66859
25°	40248	40286	40552
30°	16605	17639	16327
35°	5172	6307	4983
40°	1596	2203	1484
45°	122	828	122
50°	0	134	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: 828 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.3	18.4
10°-20°	131.0	42.8
20°-30°	96.1	31.4
30°-40°	20.6	6.7
40°-50°	2.0	0.6
50°-60°	0.0	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°	283.4	92.6
0°-40°	304.0	99.4
0°-60°	306.0	100.0
0°-90°	306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	306.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	592	592	592	592	592	
5°	591	592	594	598	600	56
15°	471	470	472	479	487	130
25°	212	211	212	212	213	95
35°	25	26	30	26	24	19
45°	0	1	3	1	0	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°	591.9	591.9	591.9	591.9	591.9
1°	590.7	592.1	592.1	593.0	593.4
2°	591.2	592.1	591.9	593.4	594.1
3°	590.5	592.1	592.5	594.4	595.5
4°	590.7	592.1	593.4	596.2	597.8
5°	590.9	592.5	594.4	598.5	600.3
6°	591.2	592.3	594.4	599.6	603.0
7°	588.9	590.5	592.8	599.4	603.0
8°	585.3	586.2	588.0	596.6	601.0
9°	578.4	578.2	580.9	590.5	595.5
10°	569.6	566.8	570.7	580.3	585.7
11°	555.2	552.3	555.7	565.9	571.2
12°	536.6	536.6	537.3	546.4	555.5
13°	516.8	514.5	515.9	526.1	532.5
14°	495.0	492.7	494.0	501.8	511.8
15°	471.3	470.4	471.5	479.0	487.0
17.5°	415.1	413.1	417.2	424.7	428.8
20°	353.9	357.3	358.9	363.7	364.8
22.5°	283.6	287.3	289.6	290.2	290.9
25°	211.8	211.1	212.0	212.0	213.4
27.5°	139.2	139.2	141.7	140.1	138.5
30°	83.5	86.9	88.7	85.8	82.1
32.5°	45.5	48.9	51.9	47.5	44.4
35°	24.6	26.4	30.0	25.7	23.7
37.5°	13.4	15.0	17.3	14.6	13.4
40°	7.1	8.6	9.8	8.6	6.6
42.5°	2.3	4.3	5.7	4.3	2.0
45°	0.5	1.4	3.4	1.4	0.5
47.5°	0.0	0.2	1.6	0.2	0.0
50°	0.0	0.0	0.5	0.0	0.0
52.5°	0.0	0.0	0.0	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)