

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: P1307686

Luminaire Tested: LDSQA3D02R509027DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

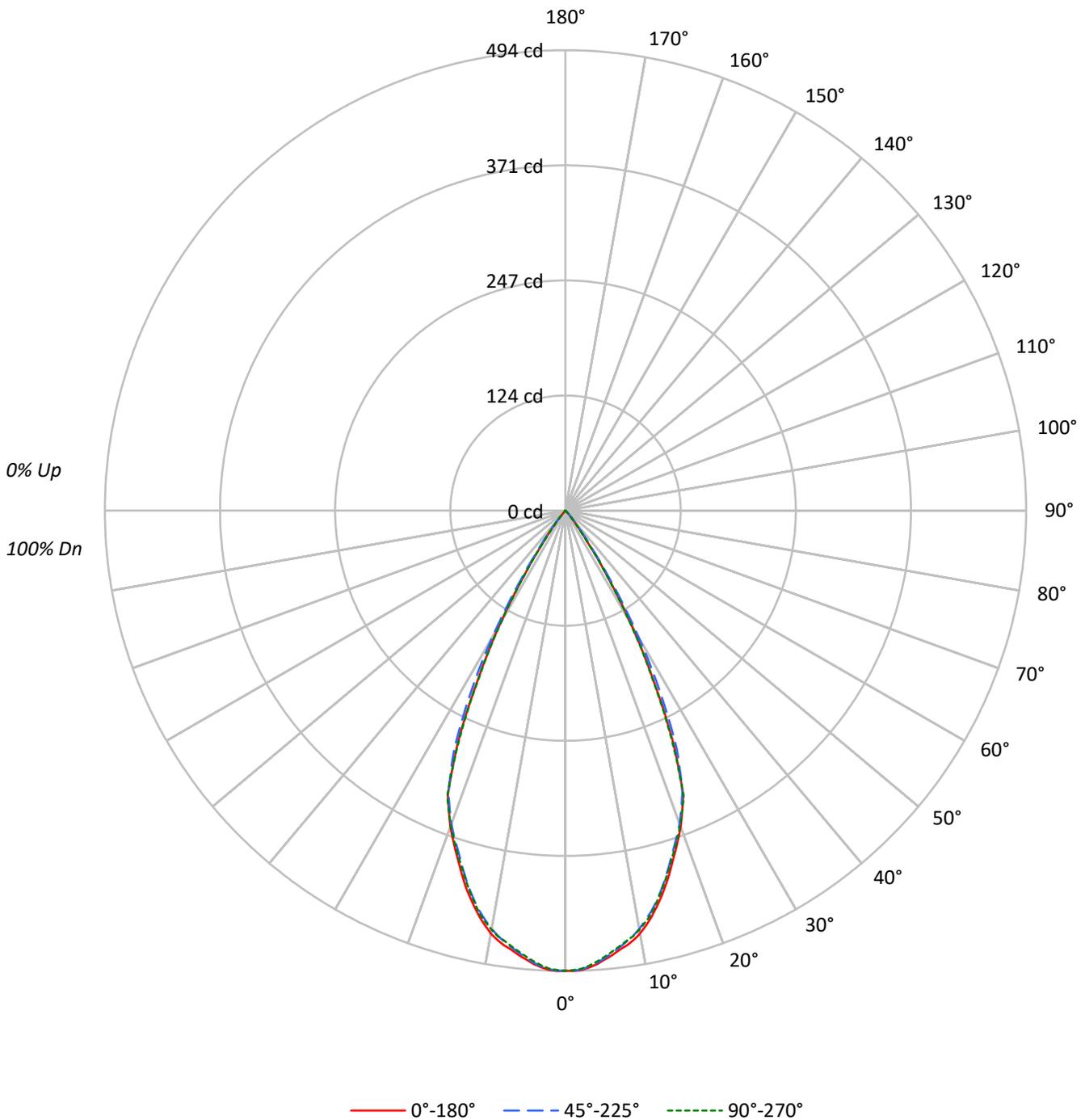
Test Method: LM-79-2019  
Report Number: P1307686  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R509027DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 318.0 lumens  
Efficiency: N/A  
Efficacy: 88.3 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 (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				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	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

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

	0°	45°	90°
0°	85044	85044	85044
5°	83570	83328	83086
10°	80584	79710	79867
15°	74136	73209	73405
20°	66199	65576	65943
25°	51516	53683	50965
30°	27901	31162	27404
35°	8809	10470	8599
40°	1933	2720	1844
45°	49	828	49
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°	45.2	14.2
10°-20°	115.0	36.2
20°-30°	121.1	38.1
30°-40°	34.6	10.9
40°-50°	2.1	0.7
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°	281.3	88.5
0°-40°	315.8	99.3
0°-60°	318.0	100.0
0°-90°	318.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	318.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	494	494	494	494	494	
5°	483	483	482	482	481	45
15°	416	413	411	411	412	116
25°	271	281	282	279	268	119
35°	42	45	50	42	41	33
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°	493.8	493.8	493.8	493.8	493.8
1°	494.1	494.3	493.8	494.3	493.1
2°	493.4	492.9	492.5	492.7	492.0
3°	490.9	490.6	489.7	490.0	489.0
4°	487.7	487.0	486.3	485.9	485.0
5°	483.4	482.9	482.0	481.5	480.6
6°	479.7	478.8	477.2	476.8	475.9
7°	474.9	474.5	472.4	472.0	471.5
8°	471.3	469.9	467.4	467.7	466.5
9°	466.5	464.7	462.2	462.2	462.4
10°	460.8	458.1	455.8	456.5	456.7
11°	453.3	451.5	448.1	449.7	449.7
12°	445.1	442.9	440.4	441.7	442.6
13°	435.6	433.8	431.5	432.9	432.4
14°	426.3	422.9	421.3	423.1	422.4
15°	415.8	413.1	410.6	411.3	411.7
17.5°	387.8	384.9	383.1	383.3	385.3
20°	361.2	360.1	357.8	358.7	359.8
22.5°	329.8	330.3	327.5	328.2	331.0
25°	271.1	281.1	282.5	279.3	268.2
27.5°	200.9	215.9	220.4	213.1	199.5
30°	140.3	144.4	156.7	142.8	137.8
32.5°	82.3	88.5	95.1	85.5	82.1
35°	41.9	44.8	49.8	42.3	40.9
37.5°	19.3	20.7	22.7	19.3	18.2
40°	8.6	10.2	12.1	9.8	8.2
42.5°	2.7	4.8	6.4	4.3	2.5
45°	0.2	1.1	3.4	1.1	0.2
47.5°	0.0	0.2	1.4	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)