

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: P1308620

Luminaire Tested: LDSQA3D24R459027D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308620  
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: LDSQA3D24R459027D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

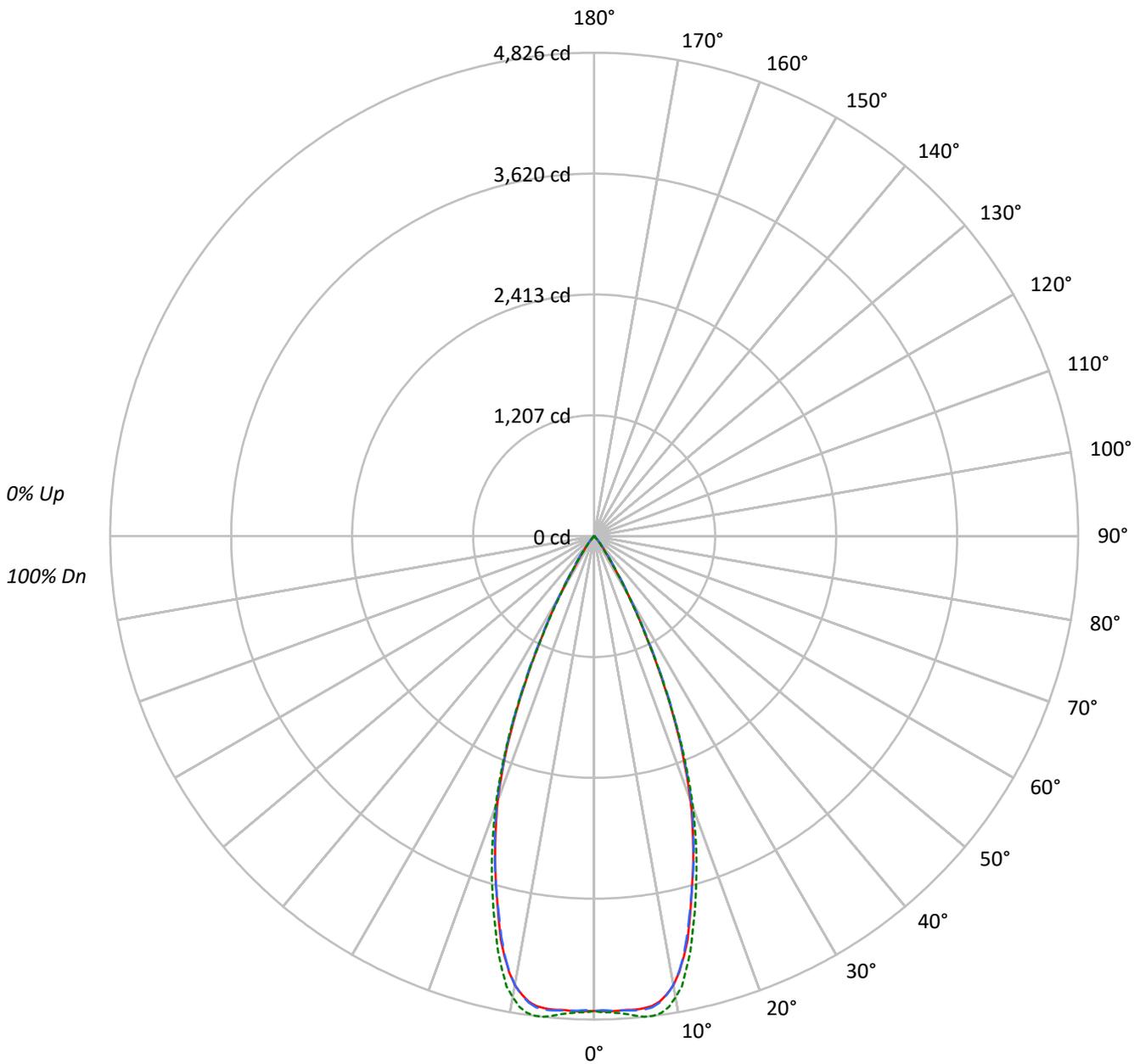
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2452.9 lumens  
Efficiency: N/A  
Efficacy: 85.2 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): 28.8  
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	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	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	70	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°	816249	816249	816249
5°	820318	821874	831244
10°	795964	795334	817457
15°	667084	666745	691261
20°	515682	520979	528273
25°	316128	322665	316812
30°	135567	141692	131251
35°	42575	51321	41439
40°	14636	18705	14231
45°	2630	7916	2192
50°	1447	2894	1447
55°	1621	1621	1621
60°	1240	1240	1240
65°	1467	1467	1467
70°	906	906	906
75°	1198	1198	1198
80°	1785	1785	1785
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 7916 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	450.5	18.4
10°-20°	1040.9	42.4
20°-30°	762.1	31.1
30°-40°	168.4	6.9
40°-50°	20.6	0.8
50°-60°	4.8	0.2
60°-70°	3.5	0.1
70°-80°	2.0	0.1
80°-90°	0.2	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°	2253.4	91.9
0°-40°	2421.8	98.7
0°-60°	2447.3	99.8
0°-90°	2452.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2452.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4740	4740	4740	4740	4740	
5°	4745	4741	4754	4788	4808	448
15°	3741	3722	3740	3830	3877	1032
25°	1664	1662	1698	1685	1667	754
35°	202	213	244	213	197	160
45°	11	18	32	18	9	15
55°	5	5	5	5	5	5
65°	4	4	4	4	4	3
75°	2	2	2	2	2	2
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°	4739.5	4739.5	4739.5	4739.5	4739.5
1°	4743.1	4735.9	4734.1	4746.8	4755.8
2°	4746.8	4737.7	4739.5	4752.2	4757.6
3°	4743.1	4734.1	4743.1	4761.2	4768.5
4°	4741.3	4737.7	4746.8	4772.1	4784.7
5°	4745.0	4741.3	4754.0	4788.4	4808.2
6°	4739.5	4734.1	4752.2	4795.6	4824.5
7°	4726.9	4721.4	4741.3	4793.8	4826.3
8°	4692.5	4681.7	4701.6	4766.7	4806.4
9°	4631.0	4616.6	4636.5	4712.4	4759.4
10°	4551.5	4535.2	4547.9	4622.0	4674.4
11°	4437.5	4415.8	4430.3	4509.9	4578.6
12°	4292.9	4262.1	4280.2	4370.6	4419.5
13°	4135.6	4106.6	4110.2	4191.6	4260.3
14°	3940.3	3902.3	3918.6	4003.6	4057.8
15°	3741.4	3721.5	3739.5	3830.0	3877.0
17.5°	3285.7	3283.9	3300.1	3367.0	3392.4
20°	2813.7	2819.1	2842.6	2878.8	2882.4
22.5°	2254.9	2256.7	2282.1	2307.4	2302.0
25°	1663.6	1661.8	1698.0	1685.3	1667.2
27.5°	1103.1	1110.3	1142.8	1119.3	1101.2
30°	681.7	696.2	712.5	683.5	660.0
32.5°	368.9	392.4	415.9	390.6	367.1
35°	202.5	213.4	244.1	213.4	197.1
37.5°	117.5	123.0	142.9	123.0	112.1
40°	65.1	74.1	83.2	74.1	63.3
42.5°	27.1	41.6	50.6	41.6	27.1
45°	10.8	18.1	32.5	18.1	9.0
47.5°	5.4	7.2	19.9	7.2	5.4
50°	5.4	5.4	10.8	5.4	5.4
52.5°	5.4	5.4	5.4	5.4	5.4
55°	5.4	5.4	5.4	5.4	5.4
57.5°	5.4	5.4	5.4	5.4	5.4
60°	3.6	3.6	3.6	5.4	3.6
62.5°	3.6	3.6	3.6	3.6	3.6
65°	3.6	3.6	3.6	3.6	3.6
67.5°	3.6	3.6	3.6	3.6	3.6
70°	1.8	1.8	1.8	3.6	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8
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)