

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: P1311981

Luminaire Tested: LDSQA3D24R509040D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311981  
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: LDSQA3D24R509040D010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

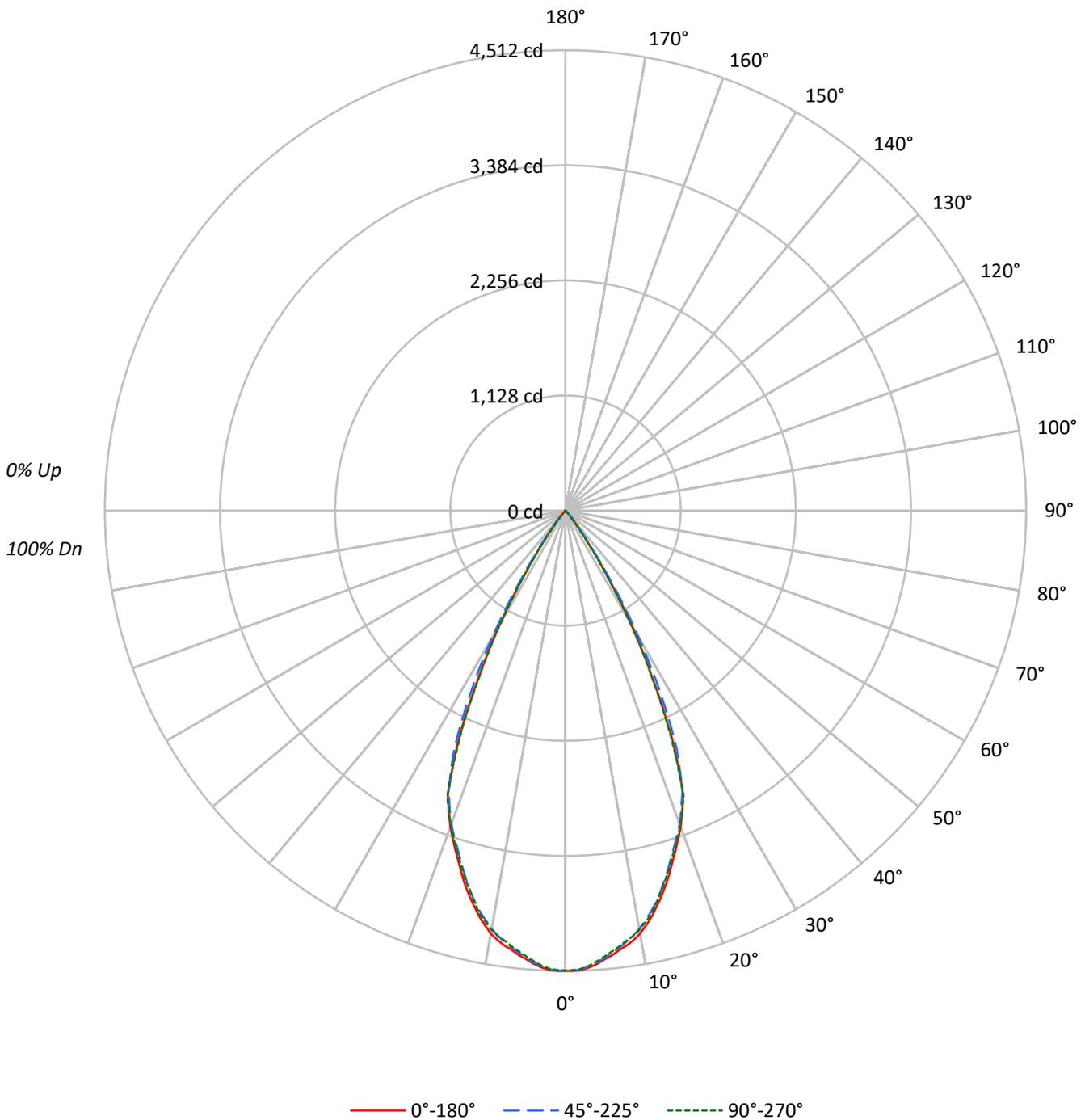
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2904.0 lumens  
Efficiency: N/A  
Efficacy: 100.8 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): 28.8  
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

TEST NUMBER: P1311981  
CATALOG NUMBER: LDSQA3D24R509040D010 3LSQCDR1MB

### Luminous Intensity Polar Plot





TEST NUMBER: P1311981

CATALOG NUMBER: LDSQA3D24R509040D010 3LSQCDR1MB

**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	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°	776672	776672	776672
5°	763112	760951	758807
10°	735980	727988	729440
15°	677033	668511	670365
20°	604553	598853	602280
25°	470525	490250	465375
30°	254866	284616	250332
35°	80356	95640	78611
40°	17738	24753	16817
45°	511	7599	511
50°	0	1125	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: 7599 cd/sqm



TEST NUMBER: P1311981

CATALOG NUMBER: LDSQA3D24R509040D010 3LSQCDR1MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	413.2	14.2
10°-20°	1049.8	36.1
20°-30°	1105.7	38.1
30°-40°	315.8	10.9
40°-50°	19.6	0.7
50°-60°	0.1	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°	2568.6	88.4
0°-40°	2884.3	99.3
0°-60°	2904.0	100.0
0°-90°	2904.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2904.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4510	4510	4510	4510	4510	
5°	4414	4410	4402	4398	4389	415
15°	3797	3772	3749	3756	3760	1058
25°	2476	2568	2580	2551	2449	1083
35°	382	409	455	386	374	298
45°	2	10	31	10	2	12
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



TEST NUMBER: P1311981

CATALOG NUMBER: LDSQA3D24R509040D010 3LSQCDR1MB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4509.7	4509.7	4509.7	4509.7	4509.7
1°	4511.7	4513.8	4509.7	4513.8	4503.4
2°	4505.5	4501.3	4497.2	4499.3	4493.0
3°	4482.7	4480.6	4472.3	4474.3	4466.0
4°	4453.6	4447.3	4441.1	4437.0	4428.6
5°	4414.1	4410.0	4401.6	4397.5	4389.2
6°	4380.9	4372.6	4358.0	4353.9	4345.6
7°	4337.2	4333.1	4314.4	4310.2	4306.1
8°	4304.0	4291.5	4268.7	4270.8	4260.4
9°	4260.4	4243.8	4220.9	4220.9	4223.0
10°	4208.5	4183.5	4162.8	4169.0	4171.1
11°	4139.9	4123.3	4092.1	4106.7	4106.7
12°	4065.1	4044.4	4021.5	4034.0	4042.3
13°	3977.9	3961.3	3940.5	3953.0	3948.8
14°	3892.7	3861.6	3847.0	3863.6	3857.4
15°	3797.2	3772.2	3749.4	3755.6	3759.8
17.5°	3541.7	3514.7	3498.0	3500.1	3518.8
20°	3298.6	3288.2	3267.5	3275.8	3286.2
22.5°	3012.0	3016.1	2991.2	2997.4	3022.4
25°	2476.1	2567.5	2579.9	2550.8	2449.0
27.5°	1834.2	1971.3	2012.8	1946.4	1821.7
30°	1281.6	1319.0	1431.2	1304.5	1258.8
32.5°	752.0	808.0	868.3	781.0	749.9
35°	382.2	409.2	454.9	386.4	373.9
37.5°	176.6	189.0	207.7	176.6	166.2
40°	78.9	93.5	110.1	89.3	74.8
42.5°	24.9	43.6	58.2	39.5	22.8
45°	2.1	10.4	31.2	10.4	2.1
47.5°	0.0	2.1	12.5	2.1	0.0
50°	0.0	0.0	4.2	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



TEST NUMBER: P1311981  
CATALOG NUMBER: LDSQA3D24R509040D010 3LSQCDR1MB

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)