

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: P1310846

Luminaire Tested: LDSQA3D24R409035D010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310846  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R409035D010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

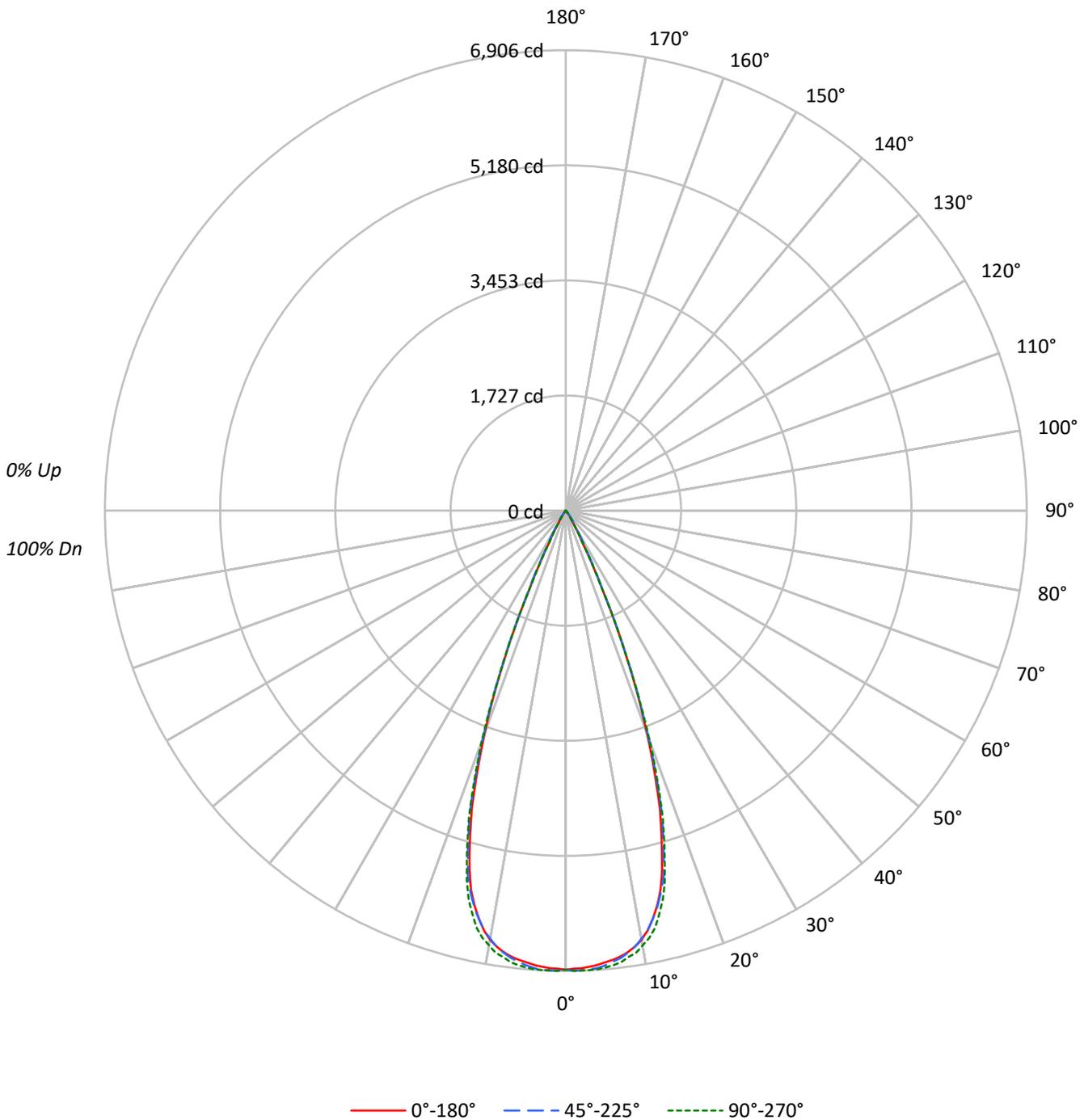
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2897.0 lumens  
Efficiency: N/A  
Efficacy: 100.6 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6  
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: P1310846  
CATALOG NUMBER: LDSQA3D24R409035D010 3LSQCDR1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P1310846

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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92		
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89		
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	85		
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	82		
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79		
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	76		
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73		
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	71		
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	69		

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

	0°	45°	90°
0°	1186459	1186459	1186459
5°	1176193	1183592	1189228
10°	1142697	1140546	1158384
15°	994083	1010076	1022450
20°	652424	665143	673739
25°	232593	246161	231433
30°	50711	68569	51108
35°	16294	28299	15873
40°	5036	8723	4586
45°	487	2971	487
50°	0	536	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: 2971 cd/sqm



TEST NUMBER: P1310846

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	644.2	22.2
10°-20°	1500.4	51.8
20°-30°	672.9	23.2
30°-40°	72.7	2.5
40°-50°	6.7	0.2
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°	2817.5	97.3
0°-40°	2890.2	99.8
0°-60°	2897.0	100.0
0°-90°	2897.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2897.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6889	6889	6889	6889	6889	
5°	6804	6822	6846	6856	6879	642
15°	5575	5616	5665	5698	5734	1482
25°	1224	1261	1295	1318	1218	653
35°	78	90	135	88	76	60
45°	2	4	12	4	2	4
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: P1310846

CATALOG NUMBER: LDSQA3D24R409035D010 3LSQCDR1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6889.1	6889.1	6889.1	6889.1	6889.1
1°	6874.9	6889.1	6901.4	6891.2	6905.5
2°	6868.7	6885.1	6903.4	6893.2	6905.5
3°	6852.4	6872.8	6893.2	6887.1	6899.3
4°	6830.0	6846.3	6876.9	6876.9	6895.3
5°	6803.5	6821.8	6846.3	6856.5	6878.9
6°	6774.9	6785.1	6803.5	6823.9	6854.5
7°	6738.2	6738.2	6760.6	6781.0	6821.8
8°	6687.2	6683.1	6699.4	6725.9	6762.7
9°	6623.9	6609.7	6621.9	6660.7	6715.7
10°	6534.2	6521.9	6521.9	6570.9	6623.9
11°	6417.9	6413.8	6415.9	6462.8	6534.2
12°	6260.8	6264.9	6264.9	6317.9	6405.7
13°	6083.3	6081.3	6099.7	6158.8	6218.0
14°	5867.1	5879.3	5897.7	5950.7	6011.9
15°	5575.4	5616.2	5665.1	5697.8	5734.5
17.5°	4688.0	4728.8	4796.1	4822.6	4830.8
20°	3559.8	3619.0	3629.2	3682.2	3676.1
22.5°	2386.8	2382.7	2390.9	2397.0	2399.1
25°	1224.0	1260.7	1295.4	1317.9	1217.9
27.5°	532.4	595.7	640.6	581.4	538.6
30°	255.0	289.7	344.8	291.7	257.0
32.5°	138.7	161.2	218.3	159.1	136.7
35°	77.5	89.8	134.6	87.7	75.5
37.5°	44.9	49.0	73.4	49.0	42.8
40°	22.4	28.6	38.8	28.6	20.4
42.5°	8.2	14.3	20.4	14.3	8.2
45°	2.0	4.1	12.2	4.1	2.0
47.5°	0.0	0.0	6.1	0.0	0.0
50°	0.0	0.0	2.0	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)