

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: P1311964

Luminaire Tested: LDSQA3D24R409040D010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311964  
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: LDSQA3D24R409040D010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

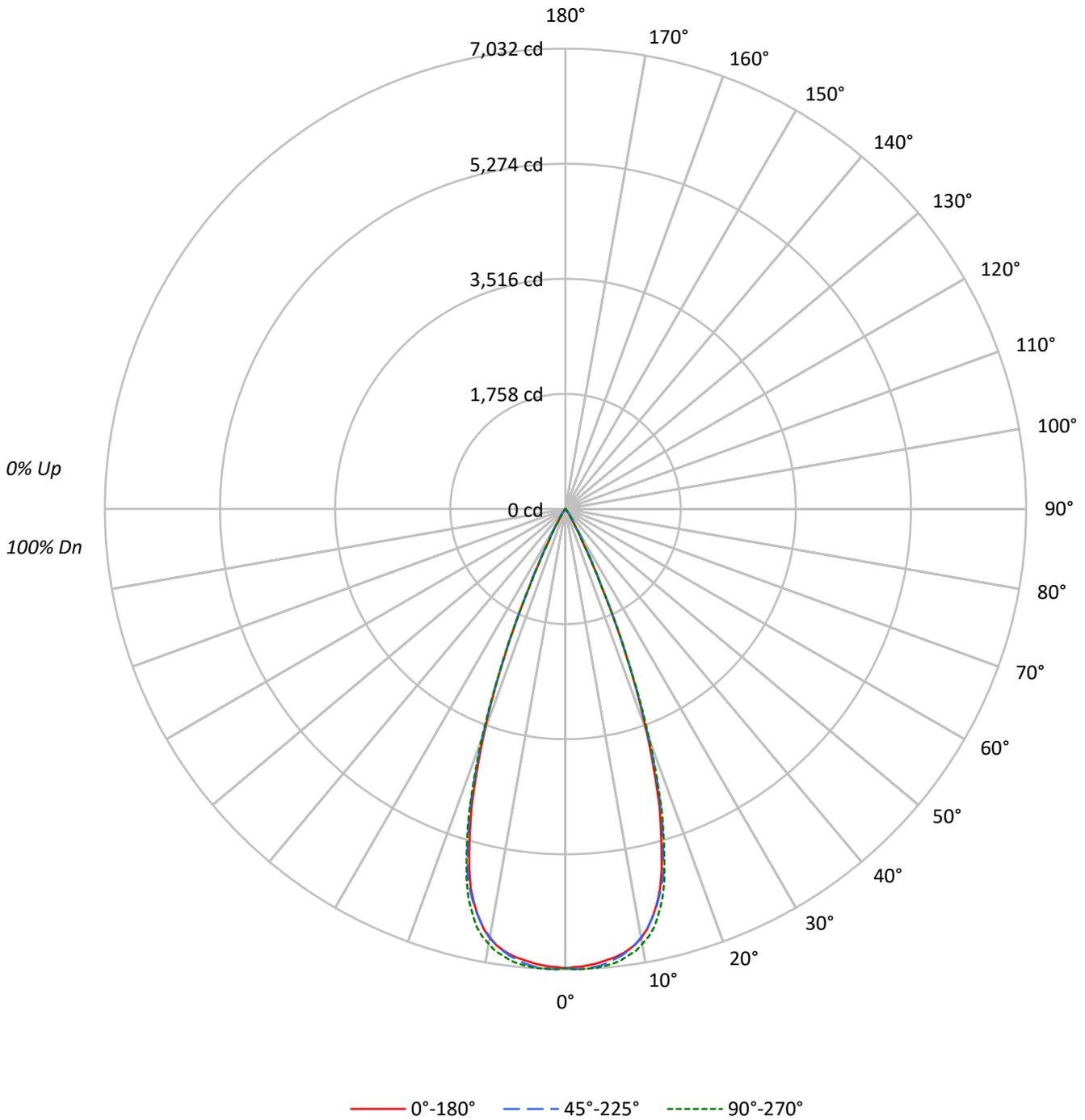
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2950.0 lumens  
Efficiency: N/A  
Efficacy: 102.4 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

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

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

	0°	45°	90°
0°	1208176	1208176	1208176
5°	1197699	1205254	1210993
10°	1163595	1161427	1179579
15°	1012269	1028565	1041153
20°	664374	677313	686074
25°	236849	250664	235671
30°	51645	69822	52043
35°	16588	28825	16168
40°	5148	8880	4676
45°	511	3044	511
50°	0	563	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: 3044 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	656.0	22.2
10°-20°	1527.8	51.8
20°-30°	685.2	23.2
30°-40°	74.0	2.5
40°-50°	6.9	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°	2869.1	97.3
0°-40°	2943.1	99.8
0°-60°	2950.0	100.0
0°-90°	2950.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2950.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7015	7015	7015	7015	7015	
5°	6928	6947	6972	6982	7005	654
15°	5677	5719	5769	5802	5839	1509
25°	1246	1284	1319	1342	1240	665
35°	79	91	137	89	77	61
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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7015.2	7015.2	7015.2	7015.2	7015.2
1°	7000.6	7015.2	7027.6	7017.3	7031.8
2°	6994.4	7011.0	7029.7	7019.3	7031.8
3°	6977.8	6998.6	7019.3	7013.1	7025.6
4°	6954.9	6971.6	7002.7	7002.7	7021.4
5°	6927.9	6946.6	6971.6	6981.9	7004.8
6°	6898.8	6909.2	6927.9	6948.7	6979.9
7°	6861.5	6861.5	6884.3	6905.1	6946.6
8°	6809.5	6805.4	6822.0	6849.0	6886.4
9°	6745.1	6730.6	6743.0	6782.5	6838.6
10°	6653.7	6641.3	6641.3	6691.1	6745.1
11°	6535.3	6531.2	6533.2	6581.0	6653.7
12°	6375.4	6379.5	6379.5	6433.5	6522.9
13°	6194.6	6192.6	6211.2	6271.5	6331.7
14°	5974.4	5986.9	6005.6	6059.6	6121.9
15°	5677.4	5718.9	5768.8	5802.0	5839.4
17.5°	4773.7	4815.3	4883.8	4910.8	4919.1
20°	3625.0	3685.2	3695.6	3749.6	3743.4
22.5°	2430.5	2426.3	2434.6	2440.9	2443.0
25°	1246.4	1283.8	1319.1	1342.0	1240.2
27.5°	542.2	606.6	652.3	592.0	548.4
30°	259.7	295.0	351.1	297.1	261.7
32.5°	141.3	164.1	222.3	162.0	139.2
35°	78.9	91.4	137.1	89.3	76.9
37.5°	45.7	49.9	74.8	49.9	43.6
40°	22.9	29.1	39.5	29.1	20.8
42.5°	8.3	14.5	20.8	14.5	8.3
45°	2.1	4.2	12.5	4.2	2.1
47.5°	0.0	0.0	6.2	0.0	0.0
50°	0.0	0.0	2.1	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)