

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: P1311934

Luminaire Tested: LDSQA3D24R309040D010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311934  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R309040D010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

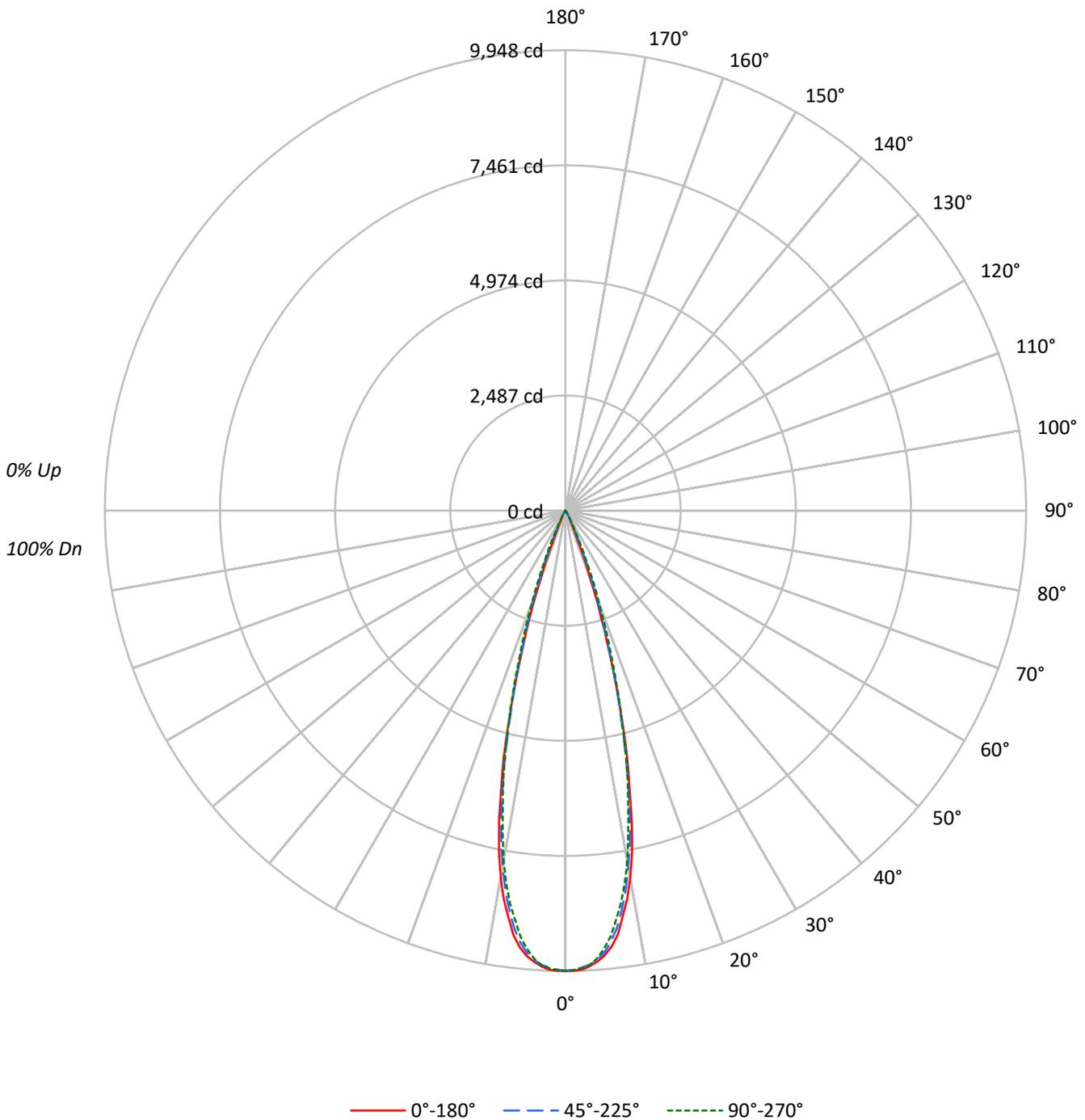
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2410.0 lumens  
Efficiency: N/A  
Efficacy: 83.7 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
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





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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		0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102		100
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99		97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96		94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93		92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90		89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88		87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85		84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83		82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81		80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79		78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77		76

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

	0°	45°	90°
0°	1712961	1712961	1712961
5°	1668850	1657354	1643713
10°	1408357	1365126	1342952
15°	848716	825003	840194
20°	287889	332443	383467
25°	52903	82909	97921
30°	18176	20245	22730
35°	5235	6560	6980
40°	1394	2338	1866
45°	511	511	511
50°	563	0	563
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: 0°  
 Vertical Angle: 52.5°  
 Luminance: 594 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	860.1	35.7
10°-20°	1257.0	52.2
20°-30°	266.0	11.0
30°-40°	24.5	1.0
40°-50°	2.4	0.1
50°-60°	0.2	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°	2383.0	98.9
0°-40°	2407.5	99.9
0°-60°	2410.0	100.0
0°-90°	2410.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2410.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9946	9946	9946	9946	9946	
5°	9653	9634	9587	9558	9508	872
15°	4760	4744	4627	4735	4712	1256
25°	278	312	436	513	515	203
35°	25	31	31	37	33	21
45°	2	2	2	2	2	2
55°	0	0	0	0	0	1
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°	9946.2	9946.2	9946.2	9946.2	9946.2
1°	9948.2	9937.9	9923.3	9944.1	9929.5
2°	9927.5	9902.5	9881.8	9902.5	9896.3
3°	9865.1	9844.4	9829.8	9840.2	9840.2
4°	9771.6	9748.8	9736.3	9738.4	9707.2
5°	9653.2	9634.5	9586.7	9557.6	9507.8
6°	9478.7	9433.0	9374.8	9327.0	9262.6
7°	9241.8	9171.2	9088.1	9004.9	8923.9
8°	8861.6	8828.3	8716.1	8660.0	8579.0
9°	8504.2	8423.2	8302.7	8211.2	8167.6
10°	8053.3	7932.8	7806.1	7733.4	7679.3
11°	7519.4	7396.8	7295.0	7189.0	7105.9
12°	6891.9	6788.0	6671.6	6601.0	6503.3
13°	6148.0	6133.5	6002.6	5979.8	5967.3
14°	5510.2	5452.0	5323.2	5358.5	5366.8
15°	4760.1	4743.5	4627.1	4735.2	4712.3
17.5°	2981.6	2987.8	3060.5	3230.9	3284.9
20°	1570.8	1618.6	1813.9	2019.6	2092.3
22.5°	635.8	741.8	941.2	1080.4	1173.9
25°	278.4	311.7	436.3	513.2	515.3
27.5°	157.9	160.0	209.9	218.2	222.3
30°	91.4	93.5	101.8	108.0	114.3
32.5°	49.9	54.0	56.1	64.4	64.4
35°	24.9	31.2	31.2	37.4	33.2
37.5°	14.5	16.6	18.7	18.7	16.6
40°	6.2	8.3	10.4	10.4	8.3
42.5°	2.1	4.2	4.2	4.2	6.2
45°	2.1	2.1	2.1	2.1	2.1
47.5°	2.1	2.1	0.0	2.1	2.1
50°	2.1	0.0	0.0	0.0	2.1
52.5°	2.1	0.0	0.0	0.0	2.1
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)