

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: P1311974

Luminaire Tested: LDSQA3D24R459040D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311974  
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: LDSQA3D24R459040D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

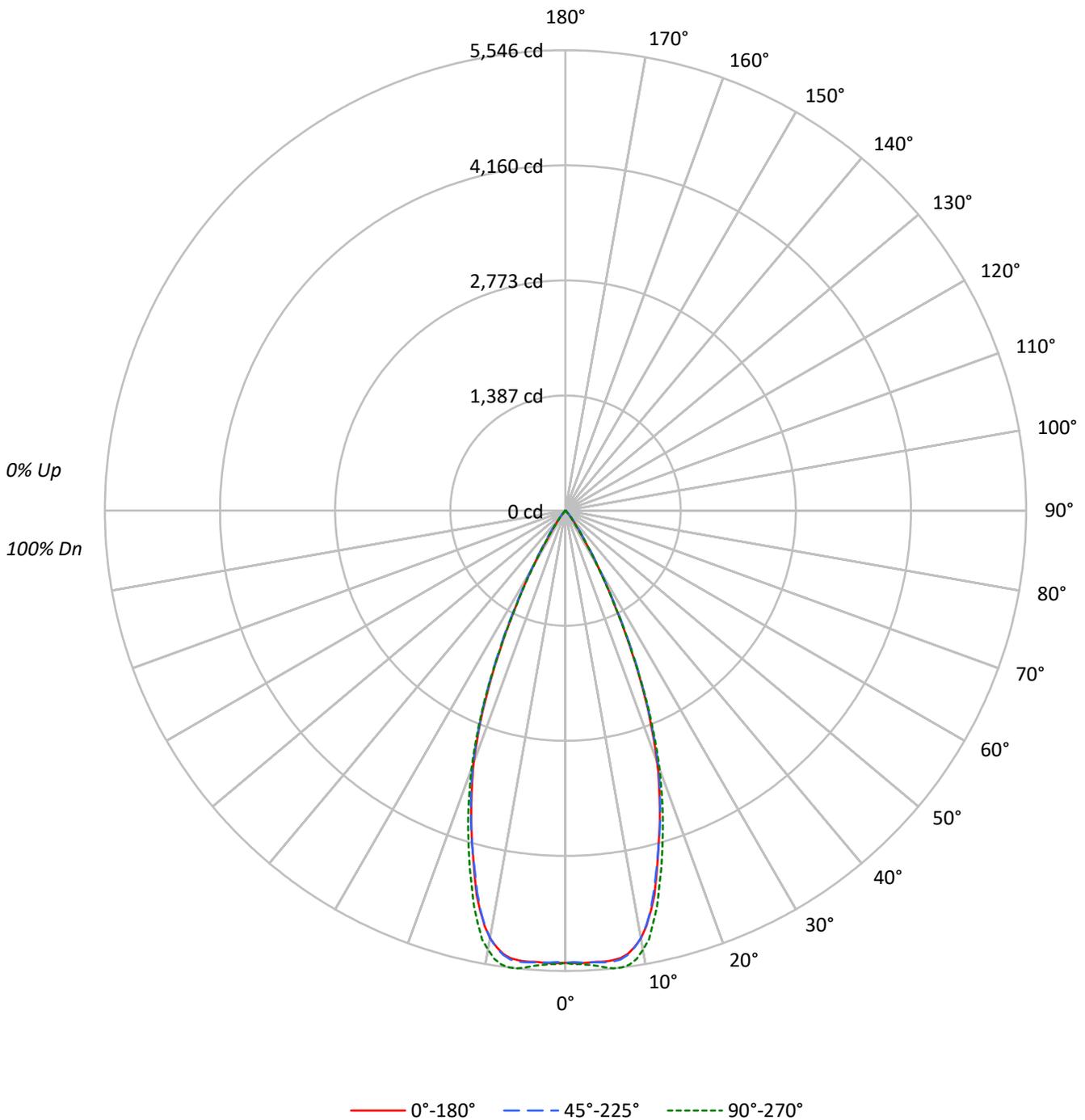
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2819.0 lumens  
Efficiency: N/A  
Efficacy: 97.9 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





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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	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	63

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

	0°	45°	90°
0°	938045	938045	938045
5°	942700	944498	955286
10°	914724	913990	939435
15°	766610	766236	794389
20°	592621	598724	607100
25°	363293	370799	364091
30°	155791	162831	150840
35°	48924	58974	47620
40°	16817	21493	16344
45°	3044	9109	2533
50°	1661	3349	1661
55°	1862	1862	1862
60°	1447	1447	1447
65°	1712	1712	1712
70°	1057	1057	1057
75°	1397	1397	1397
80°	2083	2083	2083
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 9109 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	517.7	18.4
10°-20°	1196.2	42.4
20°-30°	875.8	31.1
30°-40°	193.5	6.9
40°-50°	23.7	0.8
50°-60°	5.6	0.2
60°-70°	4.0	0.1
70°-80°	2.3	0.1
80°-90°	0.3	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°	2589.7	91.9
0°-40°	2783.2	98.7
0°-60°	2812.4	99.8
0°-90°	2819.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2819.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5447	5447	5447	5447	5447	
5°	5453	5449	5463	5503	5526	515
15°	4300	4277	4298	4401	4455	1186
25°	1912	1910	1951	1937	1916	866
35°	233	245	280	245	226	184
45°	12	21	37	21	10	17
55°	6	6	6	6	6	5
65°	4	4	4	4	4	4
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°	5446.7	5446.7	5446.7	5446.7	5446.7
1°	5450.8	5442.5	5440.5	5455.0	5465.4
2°	5455.0	5444.6	5446.7	5461.2	5467.5
3°	5450.8	5440.5	5450.8	5471.6	5479.9
4°	5448.8	5444.6	5455.0	5484.1	5498.6
5°	5452.9	5448.8	5463.3	5502.8	5525.7
6°	5446.7	5440.5	5461.2	5511.1	5544.4
7°	5432.1	5425.9	5448.8	5509.0	5546.4
8°	5392.7	5380.2	5403.1	5477.9	5523.6
9°	5322.0	5305.4	5328.2	5415.5	5469.6
10°	5230.6	5211.9	5226.4	5311.6	5371.9
11°	5099.7	5074.7	5091.3	5182.8	5261.7
12°	4933.4	4898.1	4918.9	5022.8	5078.9
13°	4752.6	4719.4	4723.5	4817.0	4896.0
14°	4528.2	4484.5	4503.2	4600.9	4663.3
15°	4299.6	4276.7	4297.5	4401.4	4455.4
17.5°	3775.9	3773.8	3792.5	3869.4	3898.5
20°	3233.5	3239.8	3266.8	3308.3	3312.5
22.5°	2591.4	2593.5	2622.6	2651.7	2645.4
25°	1911.8	1909.8	1951.3	1936.8	1916.0
27.5°	1267.6	1276.0	1313.4	1286.3	1265.6
30°	783.4	800.1	818.8	785.5	758.5
32.5°	423.9	450.9	478.0	448.9	421.9
35°	232.7	245.2	280.5	245.2	226.5
37.5°	135.1	141.3	164.2	141.3	128.8
40°	74.8	85.2	95.6	85.2	72.7
42.5°	31.2	47.8	58.2	47.8	31.2
45°	12.5	20.8	37.4	20.8	10.4
47.5°	6.2	8.3	22.9	8.3	6.2
50°	6.2	6.2	12.5	6.2	6.2
52.5°	6.2	6.2	6.2	6.2	6.2
55°	6.2	6.2	6.2	6.2	6.2
57.5°	6.2	6.2	6.2	6.2	6.2
60°	4.2	4.2	4.2	6.2	4.2
62.5°	4.2	4.2	4.2	4.2	4.2
65°	4.2	4.2	4.2	4.2	4.2
67.5°	4.2	4.2	4.2	4.2	4.2
70°	2.1	2.1	2.1	4.2	2.1
72.5°	2.1	2.1	2.1	2.1	2.1
75°	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	2.1	2.1	2.1
80°	2.1	2.1	2.1	2.1	2.1
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)