

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: P1310874

Luminaire Tested: LDSQA3D24R559035D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

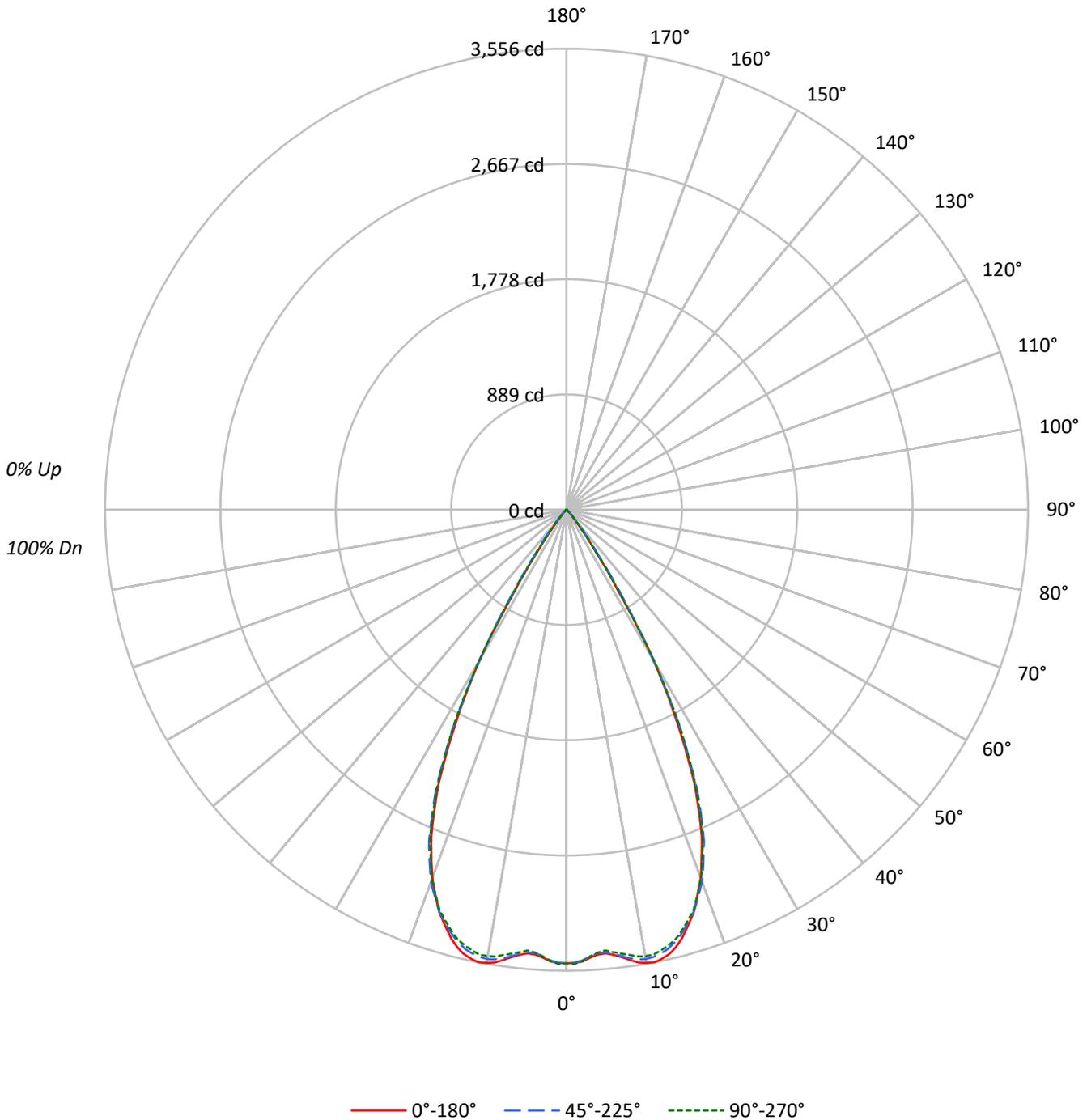
Test Method: LM-79-2019  
Report Number: P1310874  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R559035D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2682.9 lumens  
Efficiency: N/A  
Efficacy: 93.2 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
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	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	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

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

	0°	45°	90°
0°	602555	602555	602555
5°	593931	592859	590041
10°	620770	615418	611501
15°	611081	605625	603075
20°	554115	559723	555600
25°	443104	452396	448140
30°	265724	265724	268986
35°	76781	90931	79346
40°	22010	29811	22010
45°	4969	11423	4969
50°	2197	3831	1634
55°	1832	1832	1832
60°	2101	2101	2101
65°	1671	1671	1671
70°	2065	2065	2065
75°	1331	1331	1331
80°	1984	1984	1984
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 11423 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	331.7	12.4
10°-20°	945.5	35.2
20°-30°	1041.7	38.8
30°-40°	318.6	11.9
40°-50°	31.5	1.2
50°-60°	5.8	0.2
60°-70°	4.7	0.2
70°-80°	2.5	0.1
80°-90°	0.8	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°	2318.9	86.4
0°-40°	2637.6	98.3
0°-60°	2674.9	99.7
0°-90°	2682.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2682.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3499	3499	3499	3499	3499	
5°	3436	3436	3429	3419	3413	333
15°	3427	3421	3397	3382	3382	950
25°	2332	2354	2381	2403	2358	1027
35°	365	384	432	398	377	299
45°	20	31	47	31	20	24
55°	6	6	6	6	6	6
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3498.7	3498.7	3498.7	3498.7	3498.7
1°	3494.6	3496.7	3494.6	3490.5	3504.8
2°	3486.5	3484.4	3478.3	3476.3	3482.4
3°	3459.9	3459.9	3451.8	3447.7	3449.7
4°	3439.5	3439.5	3427.3	3423.2	3425.3
5°	3435.5	3435.5	3429.3	3419.1	3413.0
6°	3451.8	3455.9	3441.6	3431.4	3431.4
7°	3476.3	3478.3	3468.1	3453.8	3449.7
8°	3506.9	3508.9	3492.6	3476.3	3468.1
9°	3537.5	3533.4	3510.9	3494.6	3488.5
10°	3549.7	3547.7	3519.1	3502.8	3496.7
11°	3555.8	3545.6	3513.0	3498.7	3496.7
12°	3541.5	3533.4	3498.7	3484.4	3478.3
13°	3517.1	3504.8	3476.3	3462.0	3453.8
14°	3478.3	3466.1	3439.5	3423.2	3425.3
15°	3427.3	3421.2	3396.7	3382.4	3382.4
17.5°	3258.0	3262.1	3255.9	3249.8	3245.7
20°	3023.4	3039.7	3054.0	3045.8	3031.5
22.5°	2723.5	2752.0	2768.4	2772.4	2745.9
25°	2331.8	2354.2	2380.7	2403.2	2358.3
27.5°	1844.2	1864.6	1889.1	1903.4	1897.3
30°	1336.2	1338.3	1336.2	1362.8	1352.6
32.5°	742.6	803.8	814.0	832.3	767.1
35°	365.2	383.5	432.5	397.8	377.4
37.5°	175.4	187.7	234.6	191.8	183.6
40°	97.9	106.1	132.6	110.2	97.9
42.5°	46.9	61.2	71.4	63.2	46.9
45°	20.4	30.6	46.9	30.6	20.4
47.5°	8.2	12.2	28.6	12.2	8.2
50°	8.2	6.1	14.3	6.1	6.1
52.5°	6.1	6.1	8.2	6.1	6.1
55°	6.1	6.1	6.1	6.1	6.1
57.5°	6.1	6.1	6.1	6.1	6.1
60°	6.1	6.1	6.1	6.1	6.1
62.5°	4.1	6.1	6.1	6.1	4.1
65°	4.1	4.1	4.1	4.1	4.1
67.5°	4.1	4.1	4.1	4.1	4.1
70°	4.1	4.1	4.1	4.1	4.1
72.5°	2.0	4.1	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0
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)