

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: P1307346

Luminaire Tested: LDSQA3D17R409024DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

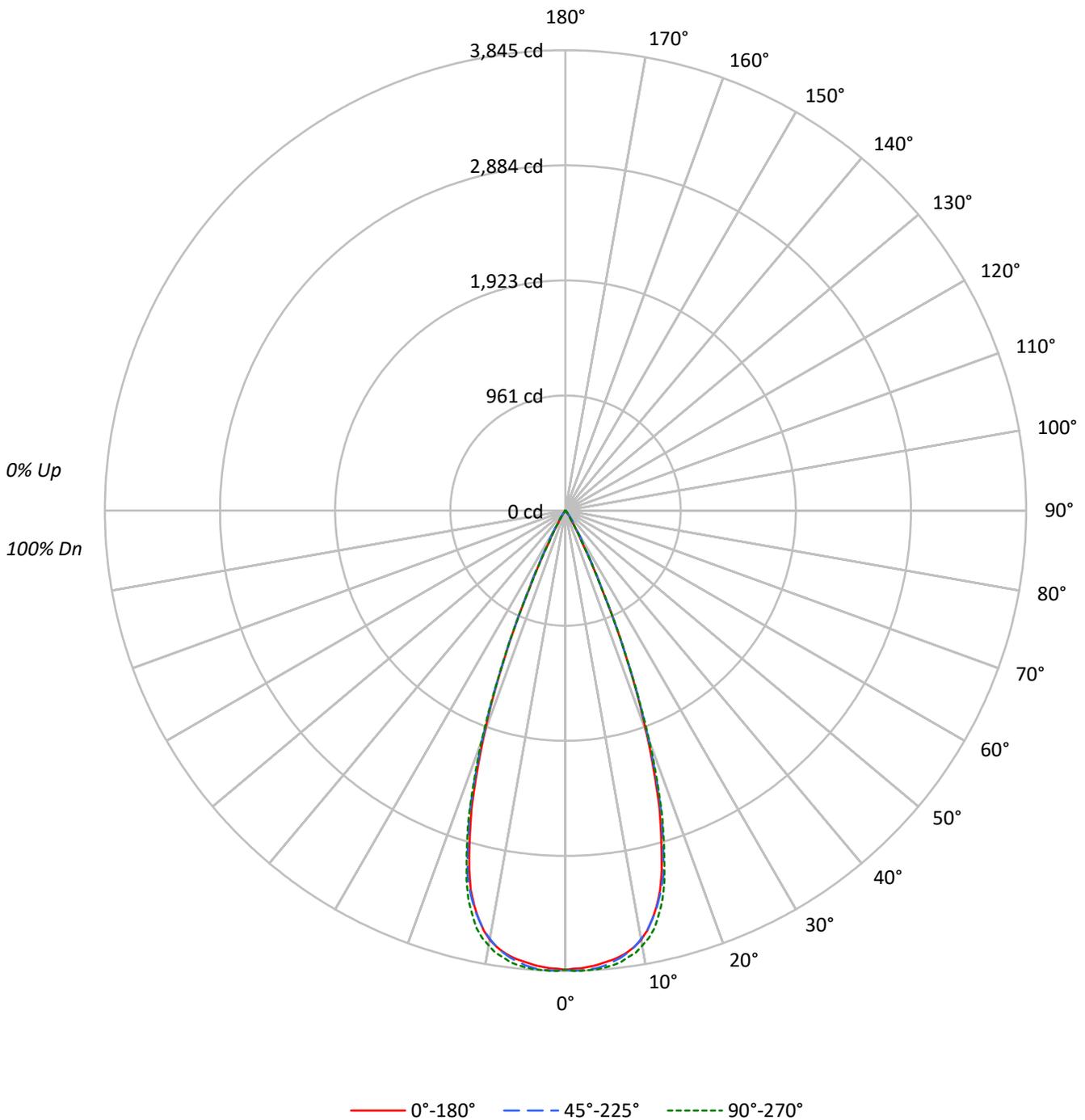
Test Method: LM-79-2019  
Report Number: P1307346  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R409024DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1613.0 lumens  
Efficiency: N/A  
Efficacy: 76.1 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): 21.2  
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	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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	92	92	92	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	88	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	82	80	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	80	77	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	77	74	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	75	72	70	69

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

	0°	45°	90°
0°	660612	660612	660612
5°	654889	659003	662150
10°	636229	635040	644973
15°	553490	562388	569288
20°	363270	370345	375128
25°	129503	137066	128857
30°	28239	38182	28458
35°	9083	15768	8830
40°	2810	4856	2563
45°	268	1656	268
50°	0	295	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: 1656 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	358.7	22.2
10°-20°	835.4	51.8
20°-30°	374.7	23.2
30°-40°	40.5	2.5
40°-50°	3.8	0.2
50°-60°	0.0	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°	1568.8	97.3
0°-40°	1609.2	99.8
0°-60°	1613.0	100.0
0°-90°	1613.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1613.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3836	3836	3836	3836	3836	
5°	3788	3798	3812	3818	3830	357
15°	3104	3127	3154	3172	3193	825
25°	682	702	721	734	678	364
35°	43	50	75	49	42	33
45°	1	2	7	2	1	2
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°	3835.8	3835.8	3835.8	3835.8	3835.8
1°	3827.8	3835.8	3842.6	3836.9	3844.8
2°	3824.4	3833.5	3843.7	3838.0	3844.8
3°	3815.3	3826.7	3838.0	3834.6	3841.4
4°	3802.8	3811.9	3828.9	3828.9	3839.2
5°	3788.1	3798.3	3811.9	3817.6	3830.1
6°	3772.2	3777.8	3788.1	3799.4	3816.4
7°	3751.7	3751.7	3764.2	3775.6	3798.3
8°	3723.3	3721.0	3730.1	3744.9	3765.3
9°	3688.1	3680.1	3687.0	3708.5	3739.2
10°	3638.1	3631.3	3631.3	3658.6	3688.1
11°	3573.4	3571.1	3572.2	3598.4	3638.1
12°	3485.9	3488.2	3488.2	3517.7	3566.6
13°	3387.1	3386.0	3396.2	3429.1	3462.1
14°	3266.7	3273.5	3283.7	3313.3	3347.3
15°	3104.3	3127.0	3154.2	3172.4	3192.9
17.5°	2610.2	2632.9	2670.4	2685.1	2689.7
20°	1982.1	2015.0	2020.7	2050.2	2046.8
22.5°	1328.9	1326.7	1331.2	1334.6	1335.8
25°	681.5	702.0	721.3	733.8	678.1
27.5°	296.5	331.7	356.7	323.7	299.9
30°	142.0	161.3	192.0	162.4	143.1
32.5°	77.2	89.7	121.5	88.6	76.1
35°	43.2	50.0	75.0	48.8	42.0
37.5°	25.0	27.3	40.9	27.3	23.9
40°	12.5	15.9	21.6	15.9	11.4
42.5°	4.5	8.0	11.4	8.0	4.5
45°	1.1	2.3	6.8	2.3	1.1
47.5°	0.0	0.0	3.4	0.0	0.0
50°	0.0	0.0	1.1	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)