

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: P1308317

Luminaire Tested: LDSQA3D17R409027DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

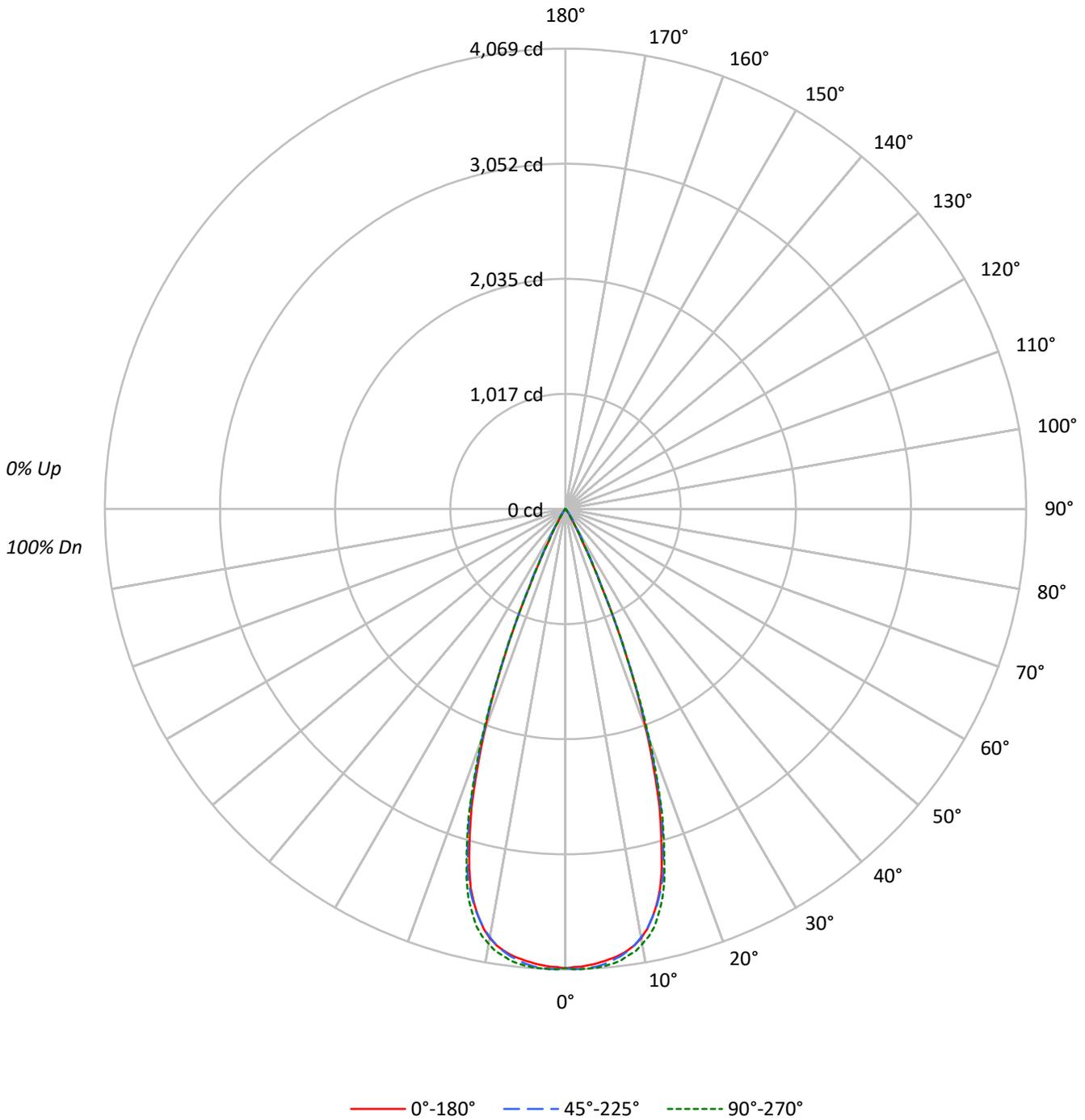
Test Method: LM-79-2019  
Report Number: P1308317  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R409027DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1707.0 lumens  
Efficiency: N/A  
Efficacy: 80.5 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	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	70	69

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

	0°	45°	90°
0°	699103	699103	699103
5°	693043	697400	700737
10°	673303	672044	682555
15°	585745	595177	602451
20°	384439	391916	396993
25°	137047	145047	136363
30°	29889	40390	30128
35°	9608	16672	9356
40°	2968	5126	2698
45°	292	1754	292
50°	0	322	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: 1754 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	379.6	22.2
10°-20°	884.1	51.8
20°-30°	396.5	23.2
30°-40°	42.8	2.5
40°-50°	4.0	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°	1660.2	97.3
0°-40°	1703.0	99.8
0°-60°	1707.0	100.0
0°-90°	1707.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1707.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4059	4059	4059	4059	4059	
5°	4009	4020	4034	4040	4053	378
15°	3285	3309	3338	3357	3379	873
25°	721	743	763	776	718	385
35°	46	53	79	52	44	35
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°	4059.3	4059.3	4059.3	4059.3	4059.3
1°	4050.9	4059.3	4066.5	4060.5	4068.9
2°	4047.3	4056.9	4067.7	4061.7	4068.9
3°	4037.7	4049.7	4061.7	4058.1	4065.3
4°	4024.4	4034.0	4052.1	4052.1	4062.9
5°	4008.8	4019.6	4034.0	4040.1	4053.3
6°	3992.0	3998.0	4008.8	4020.8	4038.9
7°	3970.3	3970.3	3983.6	3995.6	4019.6
8°	3940.3	3937.9	3947.5	3963.1	3984.8
9°	3903.0	3894.6	3901.8	3924.7	3957.1
10°	3850.1	3842.9	3842.9	3871.8	3903.0
11°	3781.6	3779.2	3780.4	3808.1	3850.1
12°	3689.1	3691.5	3691.5	3722.7	3774.4
13°	3584.5	3583.3	3594.1	3629.0	3663.8
14°	3457.1	3464.3	3475.1	3506.4	3542.4
15°	3285.2	3309.2	3338.1	3357.3	3378.9
17.5°	2762.3	2786.3	2826.0	2841.6	2846.4
20°	2097.6	2132.4	2138.4	2169.7	2166.1
22.5°	1406.4	1404.0	1408.8	1412.4	1413.6
25°	721.2	742.9	763.3	776.5	717.6
27.5°	313.7	351.0	377.4	342.6	317.3
30°	150.3	170.7	203.1	171.9	151.5
32.5°	81.7	95.0	128.6	93.8	80.5
35°	45.7	52.9	79.3	51.7	44.5
37.5°	26.4	28.8	43.3	28.8	25.2
40°	13.2	16.8	22.8	16.8	12.0
42.5°	4.8	8.4	12.0	8.4	4.8
45°	1.2	2.4	7.2	2.4	1.2
47.5°	0.0	0.0	3.6	0.0	0.0
50°	0.0	0.0	1.2	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)