

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: P1310502

Luminaire Tested: LDSQA3D17R259035DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

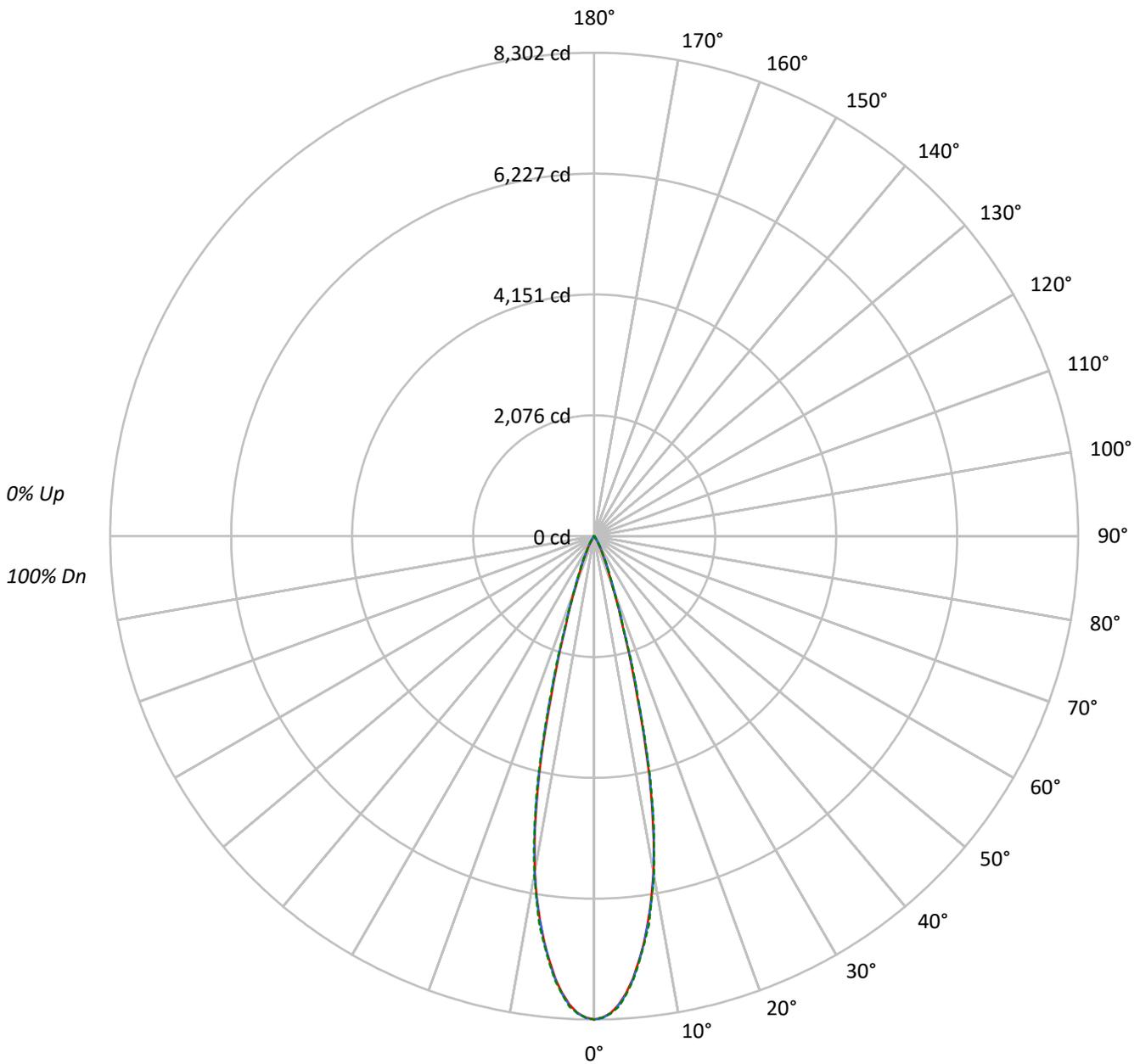
Test Method: LM-79-2019  
Report Number: P1310502  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R259035DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1728.0 lumens  
Efficiency: N/A  
Efficacy: 81.5 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
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



0% Up  
100% Dn

— 0°-180°    - - 45°-225°    - - - 90°-270°



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

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

	0°	45°	90°
0°	1429723	1429723	1429723
5°	1318300	1321274	1324023
10°	1023569	1027277	1032838
15°	505831	527102	527352
20°	170318	181736	173727
25°	70538	78348	72552
30°	27682	34801	27941
35°	7253	14213	7527
40°	2675	5665	2675
45°	317	1607	317
50°	0	348	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: 1607 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	672.7	38.9
10°-20°	813.6	47.1
20°-30°	198.7	11.5
30°-40°	38.6	2.2
40°-50°	4.4	0.3
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°	1685.0	97.5
0°-40°	1723.6	99.7
0°-60°	1728.0	100.0
0°-90°	1728.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1728.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8302	8302	8302	8302	8302	
5°	7626	7636	7643	7676	7659	671
15°	2837	2905	2956	2986	2958	799
25°	371	391	412	395	382	189
35°	34	49	68	49	36	31
45°	1	4	7	4	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°	8301.6	8301.6	8301.6	8301.6	8301.6
1°	8269.8	8275.1	8276.4	8284.4	8268.5
2°	8194.2	8195.5	8199.5	8215.4	8200.8
3°	8055.0	8064.3	8065.6	8086.8	8090.8
4°	7865.4	7870.7	7881.3	7917.1	7885.3
5°	7625.5	7636.1	7642.7	7675.9	7658.6
6°	7328.5	7331.2	7345.8	7384.2	7360.3
7°	7026.3	7024.9	7026.3	7056.8	7050.1
8°	6661.7	6655.1	6676.3	6713.4	6738.6
9°	6281.2	6290.5	6303.7	6339.5	6310.4
10°	5853.0	5878.2	5874.2	5876.9	5906.0
11°	5359.8	5367.8	5369.1	5397.0	5393.0
12°	4780.5	4780.5	4824.3	4869.3	4854.7
13°	4195.9	4237.0	4207.8	4217.1	4275.4
14°	3514.5	3546.3	3586.0	3623.2	3594.0
15°	2837.0	2904.6	2956.3	2985.5	2957.7
17.5°	1625.3	1647.9	1691.6	1696.9	1679.7
20°	929.3	957.2	991.6	981.0	947.9
22.5°	584.6	592.6	627.1	609.8	601.9
25°	371.2	391.1	412.3	395.1	381.8
27.5°	230.7	243.9	266.5	247.9	233.3
30°	139.2	151.1	175.0	149.8	140.5
32.5°	72.9	90.1	110.0	91.5	72.9
35°	34.5	49.1	67.6	49.1	35.8
37.5°	21.2	26.5	41.1	26.5	21.2
40°	11.9	17.2	25.2	17.2	11.9
42.5°	5.3	9.3	11.9	9.3	6.6
45°	1.3	4.0	6.6	4.0	1.3
47.5°	0.0	0.0	4.0	1.3	0.0
50°	0.0	0.0	1.3	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)