

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: P1311819

Luminaire Tested: LDSQA3D20R409040D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

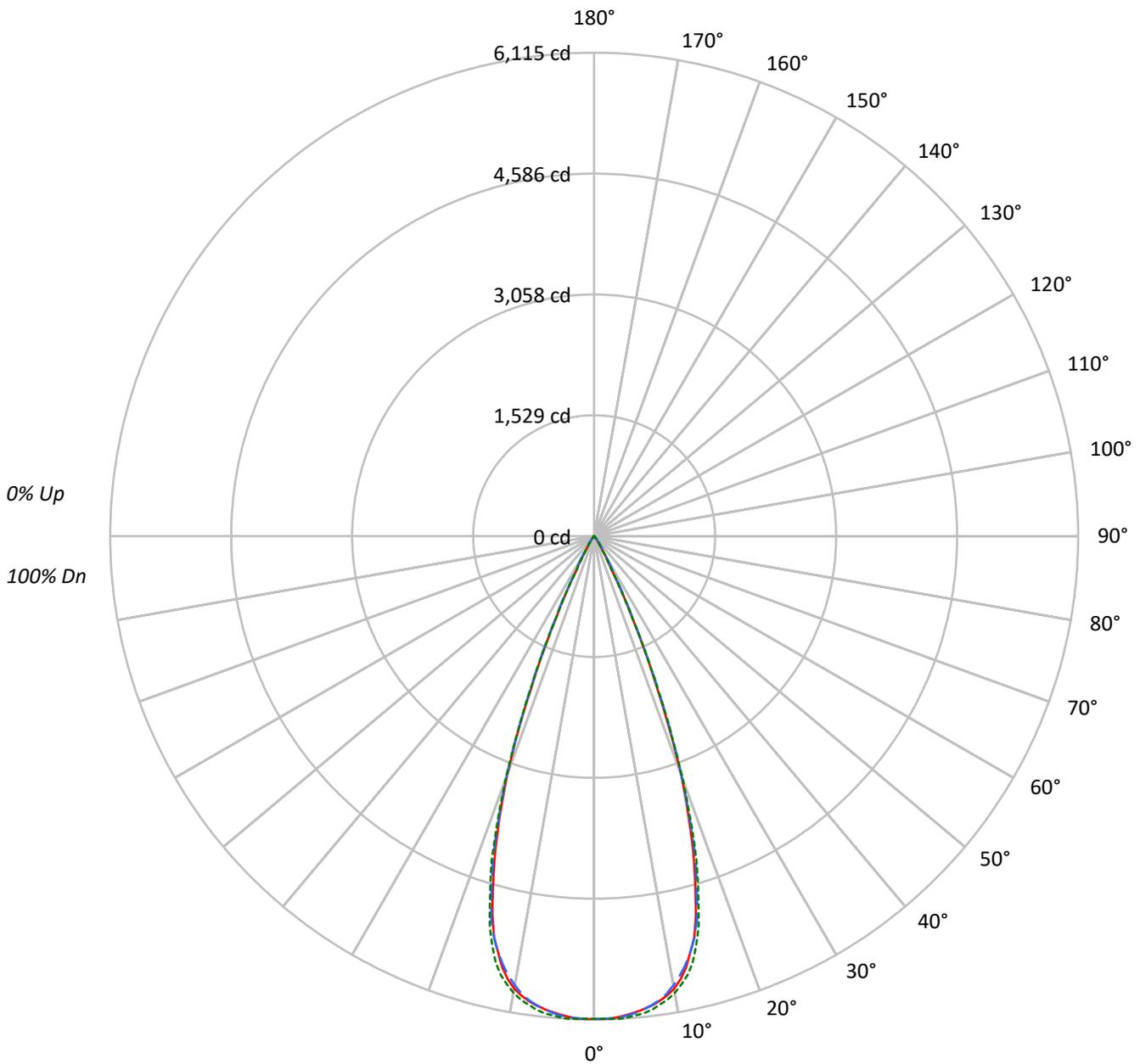
Test Method: LM-79-2019  
Report Number: P1311819  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R409040D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2584.9 lumens  
Efficiency: N/A  
Efficacy: 89.8 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6  
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



— 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92		
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88		
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	85		
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82		
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	79		
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76		
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	73		
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	71		
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	68		

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

	0°	45°	90°
0°	1051901	1051901	1051901
5°	1044924	1046498	1052151
10°	1016627	1009002	1025860
15°	885802	894878	908803
20°	590019	593025	598688
25°	214521	221077	215547
30°	45540	61092	45540
35°	16042	27143	15285
40°	5710	8588	5710
45°	1340	3532	1340
50°	965	1474	965
55°	1081	1081	1081
60°	1240	1240	1240
65°	734	1467	734
70°	906	906	906
75°	1198	1198	1198
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3532 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	570.7	22.1
10°-20°	1330.0	51.5
20°-30°	598.6	23.2
30°-40°	68.1	2.6
40°-50°	9.8	0.4
50°-60°	3.3	0.1
60°-70°	2.8	0.1
70°-80°	1.7	0.1
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°	2499.3	96.7
0°-40°	2567.5	99.3
0°-60°	2580.5	99.8
0°-90°	2584.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2584.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6108	6108	6108	6108	6108	
5°	6044	6037	6053	6081	6086	570
15°	4968	4981	5019	5059	5097	1319
25°	1129	1136	1163	1163	1134	584
35°	76	85	129	82	73	57
45°	6	9	14	9	6	7
55°	4	4	4	4	4	3
65°	2	4	4	4	2	2
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6107.8	6107.8	6107.8	6107.8	6107.8
1°	6111.5	6106.0	6104.2	6115.1	6106.0
2°	6106.0	6102.4	6104.2	6115.1	6107.8
3°	6089.6	6091.5	6096.9	6116.9	6115.1
4°	6069.6	6067.8	6078.7	6104.2	6104.2
5°	6044.2	6036.9	6053.3	6080.6	6086.0
6°	6015.1	6006.0	6018.7	6053.3	6066.0
7°	5982.4	5964.2	5975.1	6016.9	6033.3
8°	5938.8	5915.1	5927.9	5969.7	5982.4
9°	5884.2	5847.9	5858.8	5909.7	5935.1
10°	5813.3	5767.9	5769.7	5826.1	5866.1
11°	5713.4	5662.5	5664.3	5735.2	5777.0
12°	5580.7	5535.2	5544.3	5609.7	5677.0
13°	5400.7	5388.0	5398.9	5469.8	5531.6
14°	5226.2	5213.5	5233.5	5298.9	5328.0
15°	4968.1	4980.8	5019.0	5058.9	5097.1
17.5°	4150.0	4199.1	4244.6	4271.8	4304.6
20°	3219.3	3163.0	3235.7	3203.0	3266.6
22.5°	2077.8	2119.6	2137.7	2119.6	2126.8
25°	1128.9	1136.1	1163.4	1163.4	1134.3
27.5°	479.9	518.1	552.6	539.9	479.9
30°	229.0	263.6	307.2	265.4	229.0
32.5°	129.1	152.7	198.1	149.1	125.4
35°	76.3	85.4	129.1	81.8	72.7
37.5°	45.4	47.3	70.9	49.1	43.6
40°	25.4	30.9	38.2	30.9	25.4
42.5°	12.7	18.2	23.6	18.2	12.7
45°	5.5	9.1	14.5	9.1	5.5
47.5°	5.5	5.5	9.1	5.5	5.5
50°	3.6	3.6	5.5	3.6	3.6
52.5°	3.6	3.6	3.6	3.6	3.6
55°	3.6	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	3.6	3.6	3.6
60°	3.6	3.6	3.6	3.6	3.6
62.5°	3.6	3.6	3.6	3.6	3.6
65°	1.8	3.6	3.6	3.6	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8
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)