

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: P1311783

Luminaire Tested: LDSQA3D20R309040D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

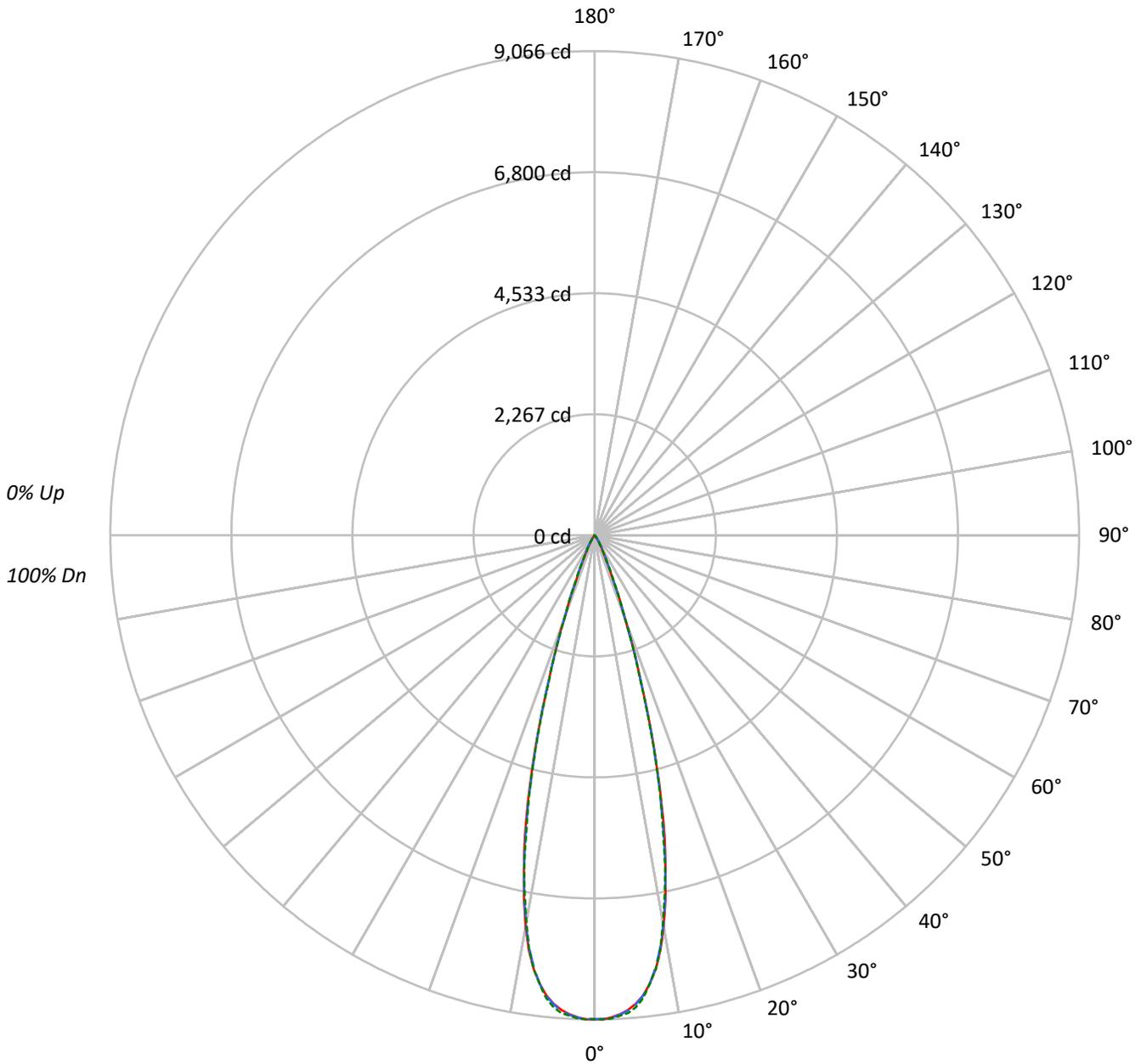
Test Method: LM-79-2019  
Report Number: P1311783  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R309040D010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2338.0 lumens  
Efficiency: N/A  
Efficacy: 81.2 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
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 (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°-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	109	108	107	106	105	103	102	101	100	99	99	99	99	99	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	92	92	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	89	89	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	87	87	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	84	84	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	82	82	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	80	80	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	78	78	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	76	76	76	75

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

	0°	45°	90°
0°	1560475	1560475	1560475
5°	1522438	1524322	1532810
10°	1300264	1294230	1286606
15°	802412	793016	795940
20°	303266	304934	304604
25°	93303	102272	97446
30°	37605	47728	39057
35°	11080	20268	11479
40°	4496	8183	4496
45°	877	2655	877
50°	0	482	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: 2655 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	799.2	34.2
10°-20°	1183.3	50.6
20°-30°	293.5	12.6
30°-40°	55.1	2.4
40°-50°	6.9	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°	2275.9	97.3
0°-40°	2331.0	99.7
0°-60°	2338.0	100.0
0°-90°	2338.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2338.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9061	9061	9061	9061	9061	
5°	8806	8803	8817	8832	8866	800
15°	4500	4457	4448	4482	4464	1189
25°	491	524	538	536	513	283
35°	53	69	96	71	55	44
45°	4	6	11	7	4	4
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°	9060.8	9060.8	9060.8	9060.8	9060.8
1°	9064.5	9057.2	9057.2	9046.3	9066.3
2°	9031.8	9024.5	9037.2	9028.1	9053.6
3°	8982.7	8973.6	8991.8	8997.2	9009.9
4°	8909.9	8902.7	8922.7	8933.6	8968.1
5°	8806.3	8802.6	8817.2	8831.7	8866.3
6°	8664.4	8659.0	8668.1	8686.3	8708.1
7°	8459.0	8448.1	8455.3	8459.0	8464.4
8°	8198.9	8182.6	8173.5	8193.5	8204.4
9°	7864.4	7846.2	7826.2	7818.9	7844.4
10°	7435.2	7408.0	7400.7	7382.5	7357.1
11°	6937.0	6915.2	6909.7	6877.0	6862.5
12°	6366.1	6355.1	6367.9	6347.9	6340.6
13°	5818.7	5749.6	5740.5	5702.4	5682.4
14°	5171.4	5107.8	5105.9	5085.9	5113.2
15°	4500.4	4456.8	4447.7	4482.2	4464.1
17.5°	2869.4	2898.5	2891.2	2873.0	2842.1
20°	1654.7	1634.7	1663.8	1671.1	1662.0
22.5°	881.9	889.2	894.6	916.4	931.0
25°	491.0	523.7	538.2	536.4	512.8
27.5°	305.5	325.5	352.8	334.6	314.6
30°	189.1	205.5	240.0	207.3	196.4
32.5°	101.8	129.1	154.6	129.1	105.5
35°	52.7	69.1	96.4	70.9	54.6
37.5°	34.5	40.0	61.8	40.0	34.5
40°	20.0	25.5	36.4	25.5	20.0
42.5°	9.1	14.5	20.0	14.5	9.1
45°	3.6	5.5	10.9	7.3	3.6
47.5°	0.0	1.8	5.5	1.8	0.0
50°	0.0	0.0	1.8	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)