

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: P1310701

Luminaire Tested: LDSQA3D20R409035D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

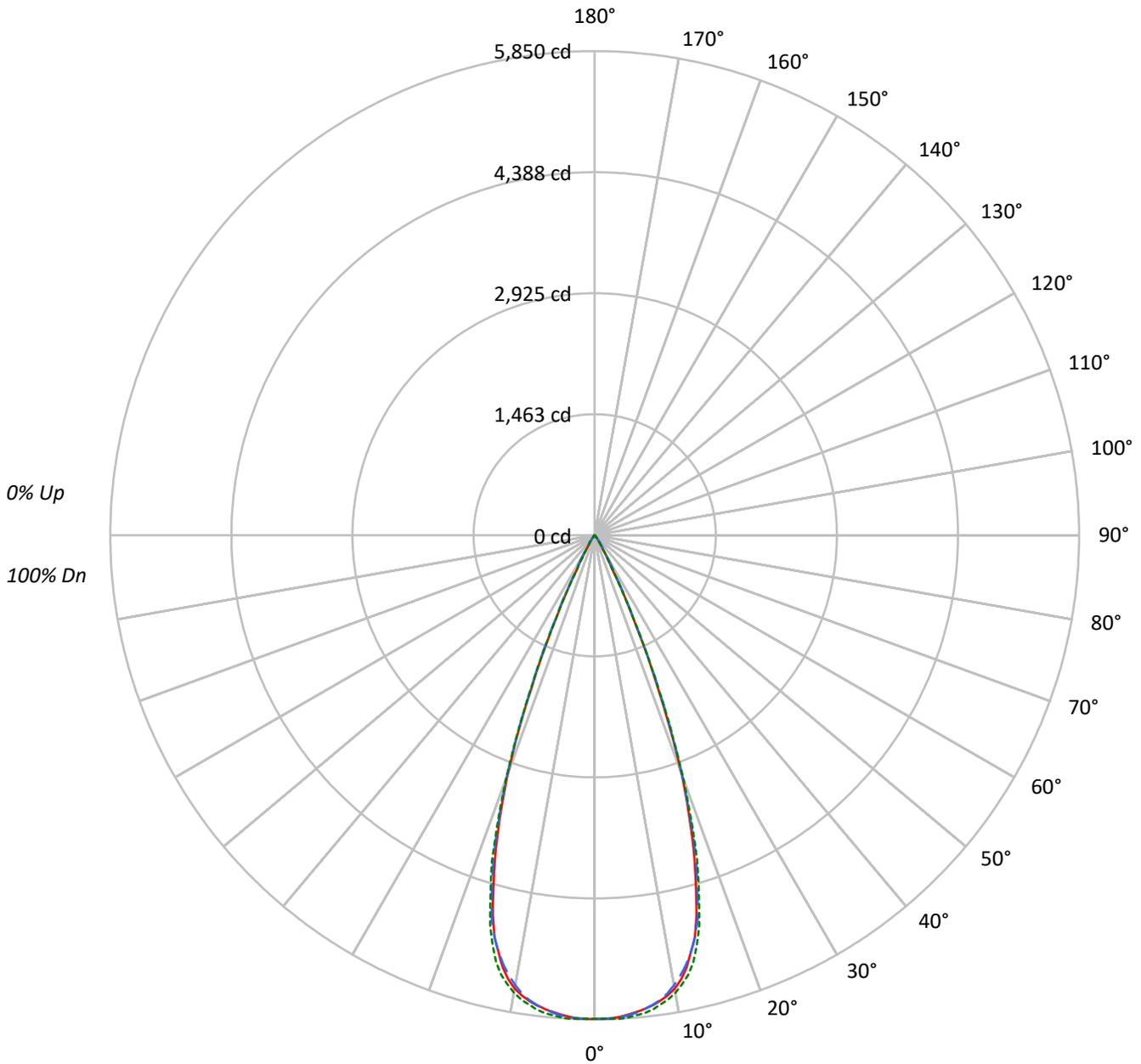
Test Method: LM-79-2019  
Report Number: P1310701  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R409035D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2473.0 lumens  
Efficiency: N/A  
Efficacy: 85.9 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	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	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	69	68

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

	0°	45°	90°
0°	1006331	1006331	1006331
5°	999647	1001151	1006562
10°	972592	965282	981406
15°	847415	856098	869435
20°	564452	567329	572754
25°	205210	211500	206217
30°	43571	58447	43571
35°	15348	25965	14633
40°	5463	8206	5463
45°	1267	3385	1267
50°	938	1393	938
55°	1051	1051	1051
60°	1206	1206	1206
65°	693	1426	693
70°	856	856	856
75°	1131	1131	1131
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3385 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	546.0	22.1
10°-20°	1272.4	51.5
20°-30°	572.7	23.2
30°-40°	65.2	2.6
40°-50°	9.3	0.4
50°-60°	3.2	0.1
60°-70°	2.7	0.1
70°-80°	1.6	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°	2391.0	96.7
0°-40°	2456.2	99.3
0°-60°	2468.7	99.8
0°-90°	2473.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2473.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5843	5843	5843	5843	5843	
5°	5782	5775	5791	5817	5822	545
15°	4753	4765	4802	4840	4876	1262
25°	1080	1087	1113	1113	1085	559
35°	73	82	124	78	70	55
45°	5	9	14	9	5	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°	5843.2	5843.2	5843.2	5843.2	5843.2
1°	5846.7	5841.4	5839.7	5850.1	5841.4
2°	5841.4	5838.0	5839.7	5850.1	5843.2
3°	5825.8	5827.5	5832.8	5851.9	5850.1
4°	5806.7	5804.9	5815.4	5839.7	5839.7
5°	5782.3	5775.4	5791.0	5817.1	5822.3
6°	5754.5	5745.8	5758.0	5791.0	5803.2
7°	5723.2	5705.8	5716.2	5756.2	5771.9
8°	5681.5	5658.9	5671.0	5711.0	5723.2
9°	5629.3	5594.5	5604.9	5653.6	5678.0
10°	5561.5	5518.0	5519.7	5573.6	5611.9
11°	5465.8	5417.1	5418.9	5486.7	5526.7
12°	5338.9	5295.4	5304.1	5366.7	5431.0
13°	5166.7	5154.5	5165.0	5232.8	5291.9
14°	4999.8	4987.6	5006.7	5069.3	5097.1
15°	4752.8	4765.0	4801.5	4839.8	4876.3
17.5°	3970.2	4017.2	4060.7	4086.8	4118.1
20°	3079.8	3025.9	3095.5	3064.2	3125.1
22.5°	1987.7	2027.7	2045.1	2027.7	2034.7
25°	1079.9	1086.9	1113.0	1113.0	1085.2
27.5°	459.1	495.6	528.7	516.5	459.1
30°	219.1	252.2	293.9	253.9	219.1
32.5°	123.5	146.1	189.6	142.6	120.0
35°	73.0	81.7	123.5	78.3	69.6
37.5°	43.5	45.2	67.8	47.0	41.7
40°	24.3	29.6	36.5	29.6	24.3
42.5°	12.2	17.4	22.6	17.4	12.2
45°	5.2	8.7	13.9	8.7	5.2
47.5°	5.2	5.2	8.7	5.2	5.2
50°	3.5	3.5	5.2	3.5	3.5
52.5°	3.5	3.5	3.5	3.5	3.5
55°	3.5	3.5	3.5	3.5	3.5
57.5°	3.5	3.5	3.5	3.5	3.5
60°	3.5	3.5	3.5	3.5	3.5
62.5°	3.5	3.5	3.5	3.5	3.5
65°	1.7	3.5	3.5	3.5	1.7
67.5°	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7
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)