

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: P1312731

Luminaire Tested: LDSQA3D17R359050DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

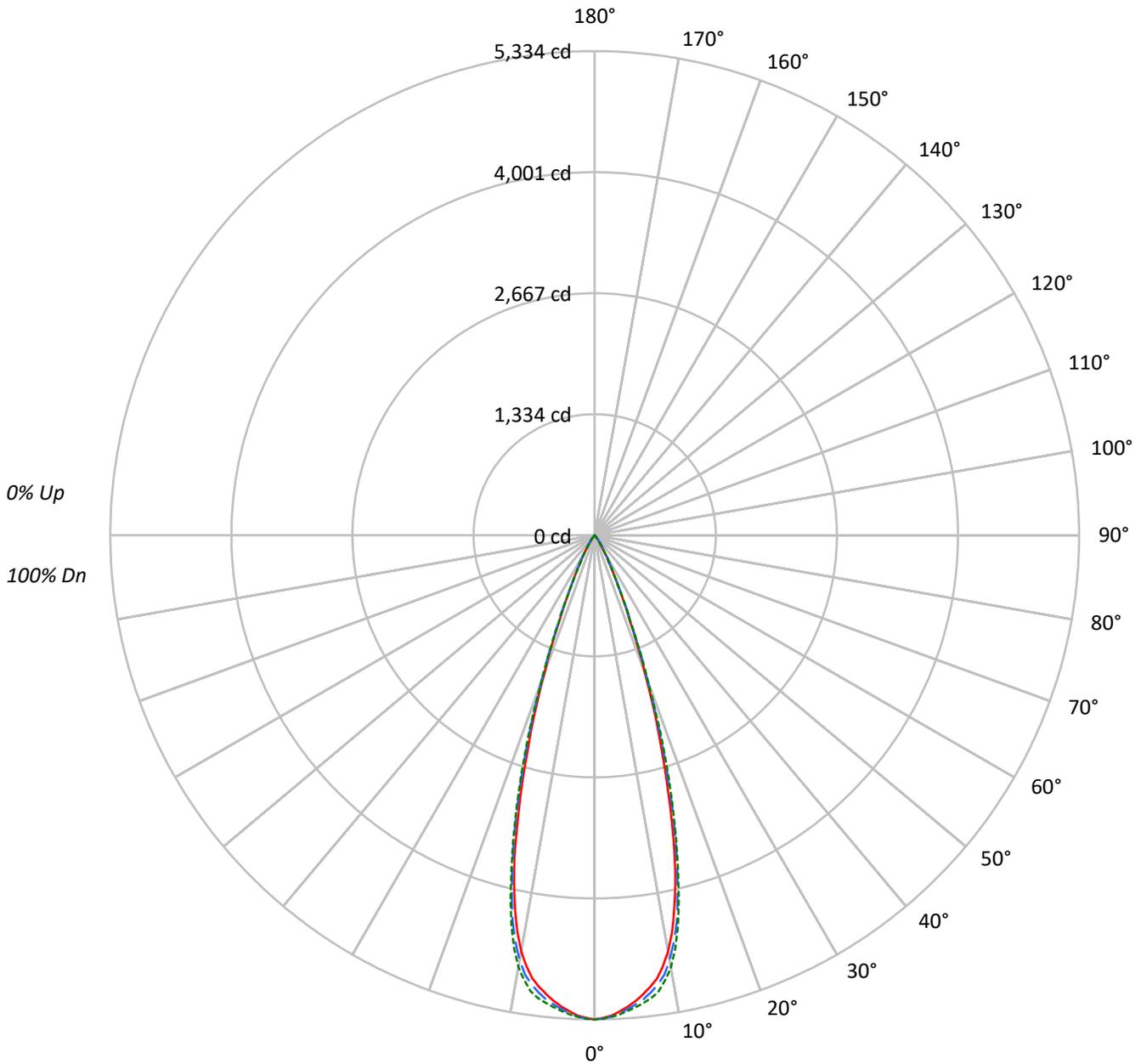
Test Method: LM-79-2019  
Report Number: P1312731  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359050DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1776.0 lumens  
Efficiency: N/A  
Efficacy: 83.8 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
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°-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	100	100	100	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	96	96	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	93	93	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	89	89	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	86	86	86
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	83	83	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	80	80	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78	78	78	78
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	75	75	75	75
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	73	73	73	73
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	71	71	71	71

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

	0°	45°	90°
0°	918653	918653	918653
5°	890784	897112	901969
10°	814011	831220	845490
15°	585388	610956	615984
20°	298024	312980	313749
25°	113066	115479	112268
30°	43910	50910	42796
35°	15075	23653	14192
40°	5058	9173	4744
45°	341	3093	341
50°	0	375	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: 3093 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	482.9	27.2
10°-20°	899.6	50.7
20°-30°	323.4	18.2
30°-40°	63.1	3.6
40°-50°	7.0	0.4
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°	1705.8	96.0
0°-40°	1768.9	99.6
0°-60°	1776.0	100.0
0°-90°	1776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1776.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5334	5334	5334	5334	5334	
5°	5153	5167	5189	5213	5217	477
15°	3283	3338	3427	3451	3455	872
25°	595	601	608	604	591	312
35°	72	82	112	83	68	53
45°	1	4	13	4	1	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°	5334.1	5334.1	5334.1	5334.1	5334.1
1°	5318.6	5325.7	5327.1	5336.9	5325.7
2°	5296.1	5300.3	5306.0	5314.4	5308.8
3°	5252.5	5260.9	5273.6	5284.9	5284.9
4°	5206.1	5217.3	5232.8	5252.5	5251.1
5°	5152.6	5166.7	5189.2	5213.1	5217.3
6°	5085.1	5102.0	5138.6	5172.3	5178.0
7°	5013.4	5038.7	5073.9	5123.1	5135.8
8°	4929.0	4948.7	4999.3	5057.0	5071.0
9°	4805.2	4834.7	4899.4	4952.9	4961.3
10°	4654.7	4675.8	4753.1	4809.4	4834.7
11°	4460.6	4491.5	4567.5	4625.1	4642.0
12°	4213.0	4258.0	4346.6	4388.8	4402.9
13°	3945.7	3983.7	4052.6	4104.7	4115.9
14°	3644.7	3681.3	3753.0	3795.2	3785.3
15°	3283.2	3338.0	3426.6	3450.6	3454.8
17.5°	2425.1	2460.3	2539.0	2577.0	2603.7
20°	1626.1	1659.9	1707.7	1733.0	1711.9
22.5°	988.9	1017.0	1042.3	1040.9	1033.9
25°	595.0	600.6	607.7	603.5	590.8
27.5°	347.4	362.9	384.0	370.0	348.9
30°	220.8	233.5	256.0	232.1	215.2
32.5°	116.8	147.7	171.6	139.3	122.4
35°	71.7	81.6	112.5	83.0	67.5
37.5°	43.6	50.6	70.3	49.2	39.4
40°	22.5	32.4	40.8	29.5	21.1
42.5°	7.0	15.5	22.5	14.1	7.0
45°	1.4	4.2	12.7	4.2	1.4
47.5°	0.0	0.0	5.6	1.4	0.0
50°	0.0	0.0	1.4	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)