

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: P1309854

Luminaire Tested: LDSQA3D02R259035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

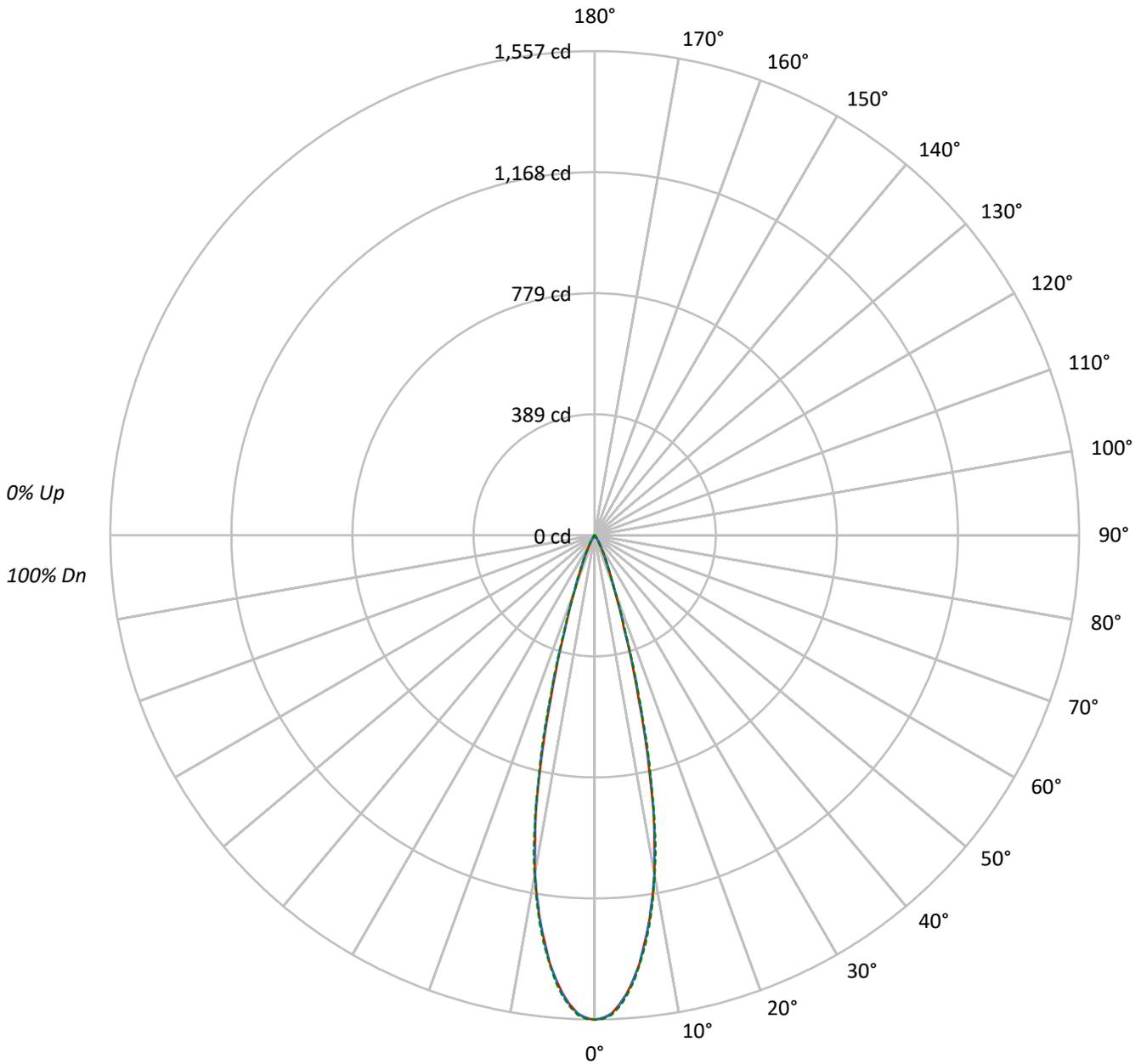
Test Method: LM-79-2019  
Report Number: P1309854  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R259035DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 329.1 lumens  
Efficiency: N/A  
Efficacy: 91.4 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 3.6  
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	102	102	100
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	99	99	97
2	112	108	105	103	110	106	104	102	103	101	100	101	99	97	98	97	95	95	95	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	93	93	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	90	90	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	87	87	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	85	85	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	83	83	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	81	81	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	79	79	78
10	90	84	80	78	89	83	80	77	83	80	77	82	79	77	82	79	77	77	77	76

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

	0°	45°	90°
0°	268220	268220	268220
5°	247738	247651	249034
10°	193522	192997	194309
15°	97351	101416	101327
20°	33319	34236	33686
25°	13378	15050	13967
30°	5429	6483	5290
35°	1577	2838	1577
40°	742	1237	742
45°	244	487	244
50°	134	214	134
55°	150	150	150
60°	172	172	172
65°	122	122	122
70°	151	151	151
75°	200	200	200
80°	0	298	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 487 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.3	38.4
10°-20°	154.6	47.0
20°-30°	37.8	11.5
30°-40°	7.8	2.4
40°-50°	1.4	0.4
50°-60°	0.5	0.1
60°-70°	0.4	0.1
70°-80°	0.3	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
<b>0°-30°</b>	<b>318.8</b>	<b>96.9</b>
<b>0°-40°</b>	<b>326.6</b>	<b>99.2</b>
<b>0°-60°</b>	<b>328.4</b>	<b>99.8</b>
<b>0°-90°</b>	<b>329.1</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>329.1</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1557	1557	1557	1557	1557	
5°	1433	1434	1432	1436	1440	126
15°	546	555	569	571	568	152
25°	70	74	79	75	74	36
35°	8	10	14	10	8	6
45°	1	2	2	2	1	1
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°	1557.4	1557.4	1557.4	1557.4	1557.4
1°	1554.3	1552.3	1551.8	1552.1	1554.6
2°	1540.3	1539.1	1538.8	1539.6	1543.1
3°	1511.7	1513.2	1513.7	1516.2	1518.0
4°	1476.6	1479.6	1478.4	1481.4	1483.4
5°	1433.0	1434.3	1432.5	1435.5	1440.5
6°	1382.1	1377.6	1381.9	1383.1	1386.6
7°	1318.7	1319.7	1321.2	1322.7	1328.0
8°	1256.3	1253.3	1252.5	1259.5	1263.8
9°	1183.3	1183.8	1181.1	1189.1	1190.3
10°	1106.6	1100.3	1103.6	1109.9	1111.1
11°	1005.3	1003.6	1008.3	1018.1	1025.9
12°	910.3	911.3	916.3	919.6	917.8
13°	784.7	792.2	798.5	801.7	797.5
14°	671.1	671.1	679.2	680.4	695.7
15°	546.0	555.3	568.8	571.3	568.3
17.5°	315.4	316.6	323.2	322.9	327.7
20°	181.8	183.5	186.8	186.0	183.8
22.5°	109.3	113.1	120.8	114.6	112.8
25°	70.4	73.7	79.2	74.7	73.5
27.5°	44.1	46.4	50.6	46.6	44.6
30°	27.3	28.6	32.6	28.8	26.6
32.5°	14.8	18.1	21.3	18.1	14.8
35°	7.5	10.5	13.5	10.3	7.5
37.5°	5.0	6.0	8.8	5.8	5.0
40°	3.3	4.0	5.5	4.0	3.3
42.5°	1.8	2.5	3.0	2.8	1.8
45°	1.0	1.5	2.0	1.5	1.0
47.5°	0.8	0.8	1.3	0.8	0.5
50°	0.5	0.5	0.8	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.3	0.5	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
80°	0.0	0.0	0.3	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)