

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: P1312278

Luminaire Tested: LDSQA3D05R409050DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

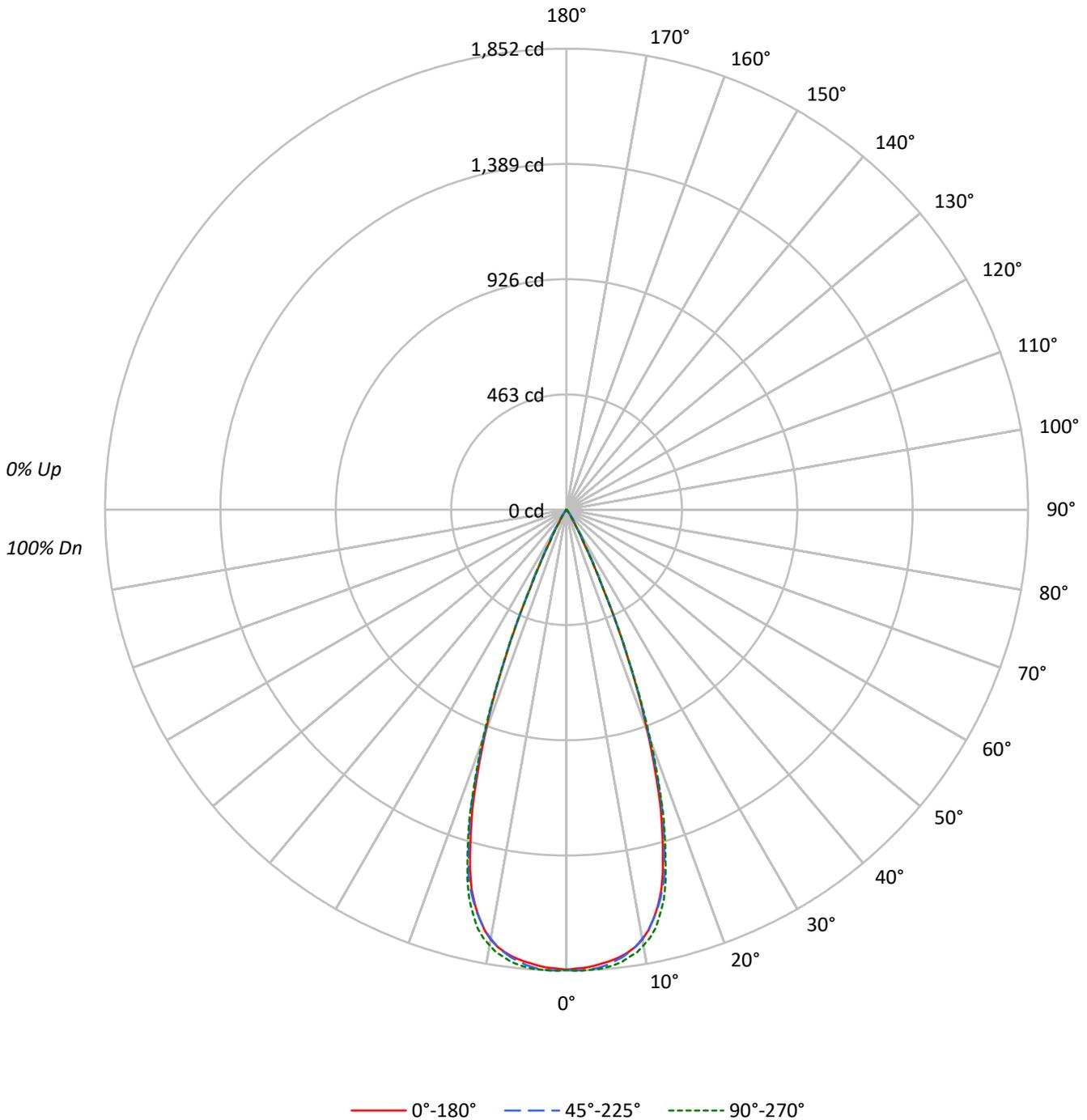
Test Method: LM-79-2019  
Report Number: P1312278  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R409050DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R40 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 777.0 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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

TEST NUMBER: P1312278  
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### Luminous Intensity Polar Plot





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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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92		
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89		
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	85		
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	82		
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79		
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	76		
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73		
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	71		
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	69		

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

	0°	45°	90°
0°	318216	318216	318216
5°	315455	317443	318965
10°	306476	305899	310691
15°	266627	270906	274222
20°	174991	178400	180710
25°	62386	66015	62063
30°	13602	18395	13702
35°	4373	7590	4247
40°	1349	2338	1237
45°	122	804	122
50°	0	134	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: 804 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.8	22.2
10°-20°	402.4	51.8
20°-30°	180.5	23.2
30°-40°	19.5	2.5
40°-50°	1.8	0.2
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°	755.7	97.3
0°-40°	775.2	99.8
0°-60°	777.0	100.0
0°-90°	777.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	777.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1848	1848	1848	1848	1848	
5°	1825	1830	1836	1839	1845	172
15°	1495	1506	1519	1528	1538	397
25°	328	338	347	354	327	175
35°	21	24	36	24	20	16
45°	0	1	3	1	0	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°	1847.7	1847.7	1847.7	1847.7	1847.7
1°	1843.9	1847.7	1851.0	1848.3	1852.1
2°	1842.3	1846.6	1851.6	1848.8	1852.1
3°	1837.9	1843.3	1848.8	1847.2	1850.5
4°	1831.9	1836.2	1844.4	1844.4	1849.4
5°	1824.7	1829.7	1836.2	1839.0	1845.0
6°	1817.1	1819.8	1824.7	1830.2	1838.4
7°	1807.2	1807.2	1813.3	1818.7	1829.7
8°	1793.6	1792.5	1796.8	1804.0	1813.8
9°	1776.6	1772.8	1776.1	1786.4	1801.2
10°	1752.5	1749.2	1749.2	1762.4	1776.6
11°	1721.3	1720.2	1720.8	1733.4	1752.5
12°	1679.2	1680.3	1680.3	1694.5	1718.1
13°	1631.6	1631.1	1636.0	1651.8	1667.7
14°	1573.6	1576.9	1581.8	1596.0	1612.5
15°	1495.4	1506.3	1519.4	1528.2	1538.0
17.5°	1257.4	1268.3	1286.4	1293.5	1295.7
20°	954.8	970.6	973.4	987.6	986.0
22.5°	640.2	639.1	641.3	642.9	643.4
25°	328.3	338.1	347.4	353.5	326.6
27.5°	142.8	159.8	171.8	155.9	144.4
30°	68.4	77.7	92.5	78.2	68.9
32.5°	37.2	43.2	58.5	42.7	36.7
35°	20.8	24.1	36.1	23.5	20.2
37.5°	12.0	13.1	19.7	13.1	11.5
40°	6.0	7.7	10.4	7.7	5.5
42.5°	2.2	3.8	5.5	3.8	2.2
45°	0.5	1.1	3.3	1.1	0.5
47.5°	0.0	0.0	1.6	0.0	0.0
50°	0.0	0.0	0.5	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)