

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: P1309200

Luminaire Tested: LDSQA3D13R159030DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309200  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R159030DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

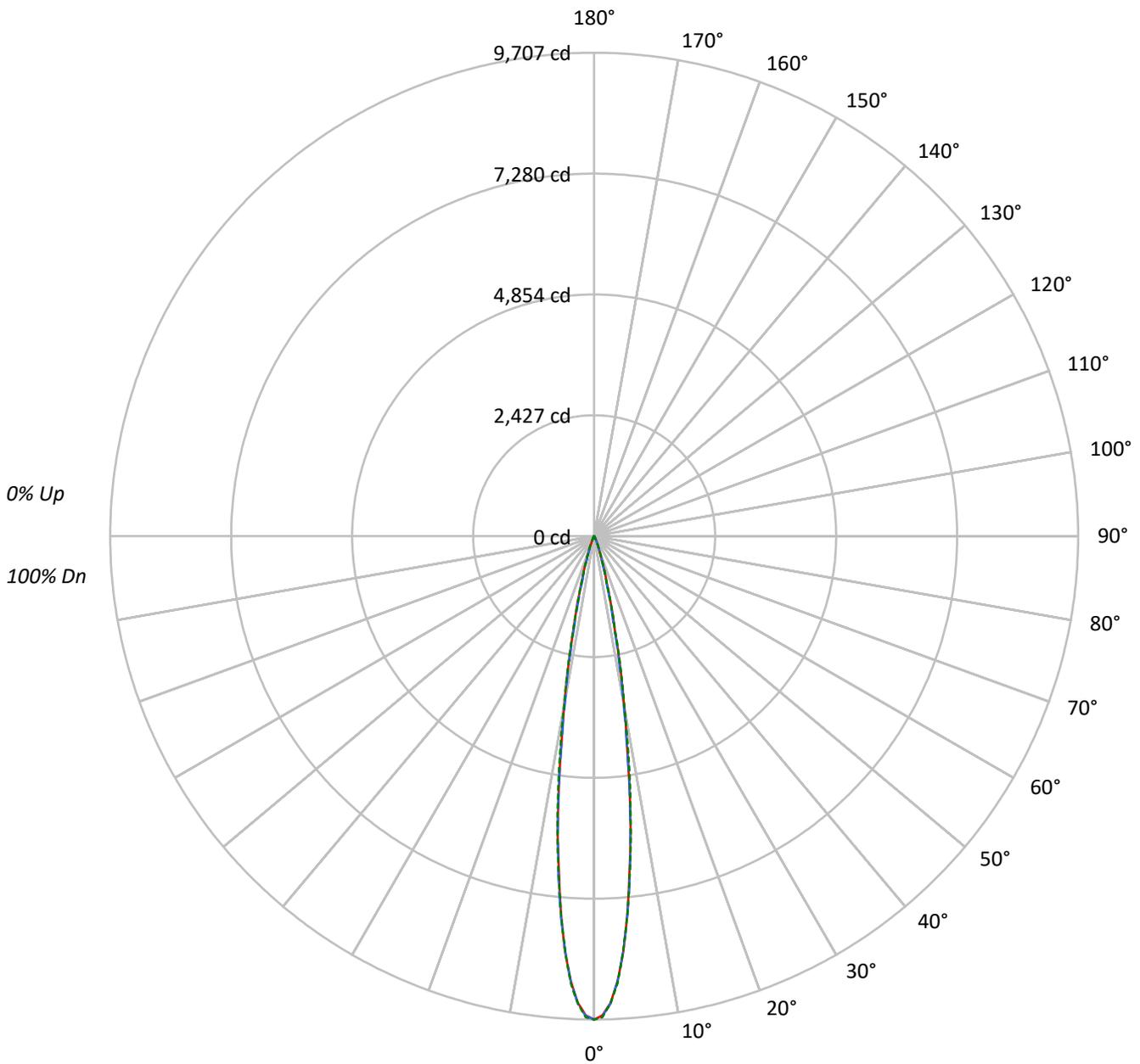
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 972.0 lumens  
Efficiency: N/A  
Efficacy: 66.6 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86

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

	0°	45°	90°
0°	1671817	1671817	1671817
5°	1318732	1322259	1317557
10°	603334	587525	616083
15°	179386	160147	175748
20°	53278	51665	55936
25°	15145	19573	17539
30°	5409	5807	5210
35°	2039	1829	1829
40°	877	427	652
45°	463	244	463
50°	268	0	268
55°	300	0	300
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: 0°  
 Vertical Angle: 47.5°  
 Luminance: 484 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	586.5	60.3
10°-20°	325.6	33.5
20°-30°	51.8	5.3
30°-40°	6.8	0.7
40°-50°	1.0	0.1
50°-60°	0.2	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°	964.0	99.2
0°-40°	970.7	99.9
0°-60°	972.0	100.0
0°-90°	972.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	972.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9707	9707	9707	9707	9707	
5°	7628	7692	7648	7616	7621	585
15°	1006	993	898	954	986	332
25°	80	89	103	103	92	49
35°	10	10	9	10	9	7
45°	2	1	1	1	2	2
55°	1	0	0	0	1	1
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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9707.3	9707.3	9707.3	9707.3	9707.3	9707.3	9707.3	9707.3	9707.3	9707.3	9707.3
1°	9623.7	9634.4	9648.0	9635.4	9623.7	9634.4	9619.8	9621.8	9610.1	9635.4	9663.6
2°	9378.8	9392.4	9384.6	9367.1	9394.3	9396.3	9366.1	9351.5	9349.6	9374.9	9384.6
3°	8945.2	8976.3	8977.3	8971.5	8962.7	8945.2	8914.1	8934.5	8906.3	8888.8	8988.0
4°	8368.8	8396.0	8428.1	8406.7	8342.5	8348.3	8368.8	8299.7	8303.6	8343.5	8346.4
5°	7628.0	7710.6	7714.5	7684.4	7633.9	7648.4	7633.9	7614.4	7621.2	7646.5	7621.2
6°	6756.0	6849.4	6780.4	6846.5	6831.9	6850.3	6855.2	6834.8	6849.4	6833.8	6829.0
7°	6002.7	5931.7	5941.4	5914.2	5943.4	5962.8	5974.5	5939.5	5967.7	6012.4	6025.0
8°	5068.5	5048.1	5027.7	5076.3	5062.7	5086.0	5100.6	5139.5	5137.5	5151.1	5195.8
9°	4179.0	4209.2	4227.6	4184.9	4221.8	4149.9	4175.1	4279.2	4251.9	4279.2	4358.9
10°	3450.0	3474.3	3447.0	3446.1	3407.2	3359.6	3356.6	3395.5	3477.2	3541.3	3522.9
12.5°	1903.4	1924.7	1927.7	1925.7	1855.7	1777.0	1791.6	1822.7	1873.2	1894.6	1929.6
15°	1006.1	1005.1	1015.8	985.7	948.8	898.2	902.1	944.9	982.8	992.5	985.7
17.5°	516.2	518.1	525.9	518.1	479.2	484.1	494.8	499.7	522.0	530.8	525.9
20°	290.7	291.6	290.7	293.6	278.0	281.9	295.5	296.5	301.3	306.2	305.2
22.5°	166.2	167.2	173.0	171.1	167.2	172.1	175.0	179.8	181.8	179.8	185.7
25°	79.7	80.7	80.7	92.3	98.2	103.0	105.0	103.0	101.1	93.3	92.3
27.5°	45.7	45.7	47.6	48.6	50.5	59.3	58.3	48.6	40.8	40.8	41.8
30°	27.2	26.2	26.2	27.2	28.2	29.2	27.2	26.2	26.2	27.2	26.2
32.5°	16.5	16.5	16.5	15.6	15.6	14.6	14.6	16.5	16.5	16.5	16.5
35°	9.7	9.7	9.7	9.7	8.7	8.7	8.7	9.7	9.7	8.7	8.7
37.5°	5.8	5.8	5.8	4.9	4.9	3.9	4.9	4.9	4.9	4.9	4.9
40°	3.9	3.9	2.9	2.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9
42.5°	2.9	2.9	1.9	1.9	1.0	1.0	1.0	1.9	1.9	1.9	1.9
45°	1.9	1.9	1.9	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9
47.5°	1.9	1.9	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
50°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
52.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)