

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: P1313305

Luminaire Tested: LDSQA3D05R159727DE010 3LSQPHR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313305  
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: LDSQA3D05R159727DE010 3LSQPHR1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , 3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

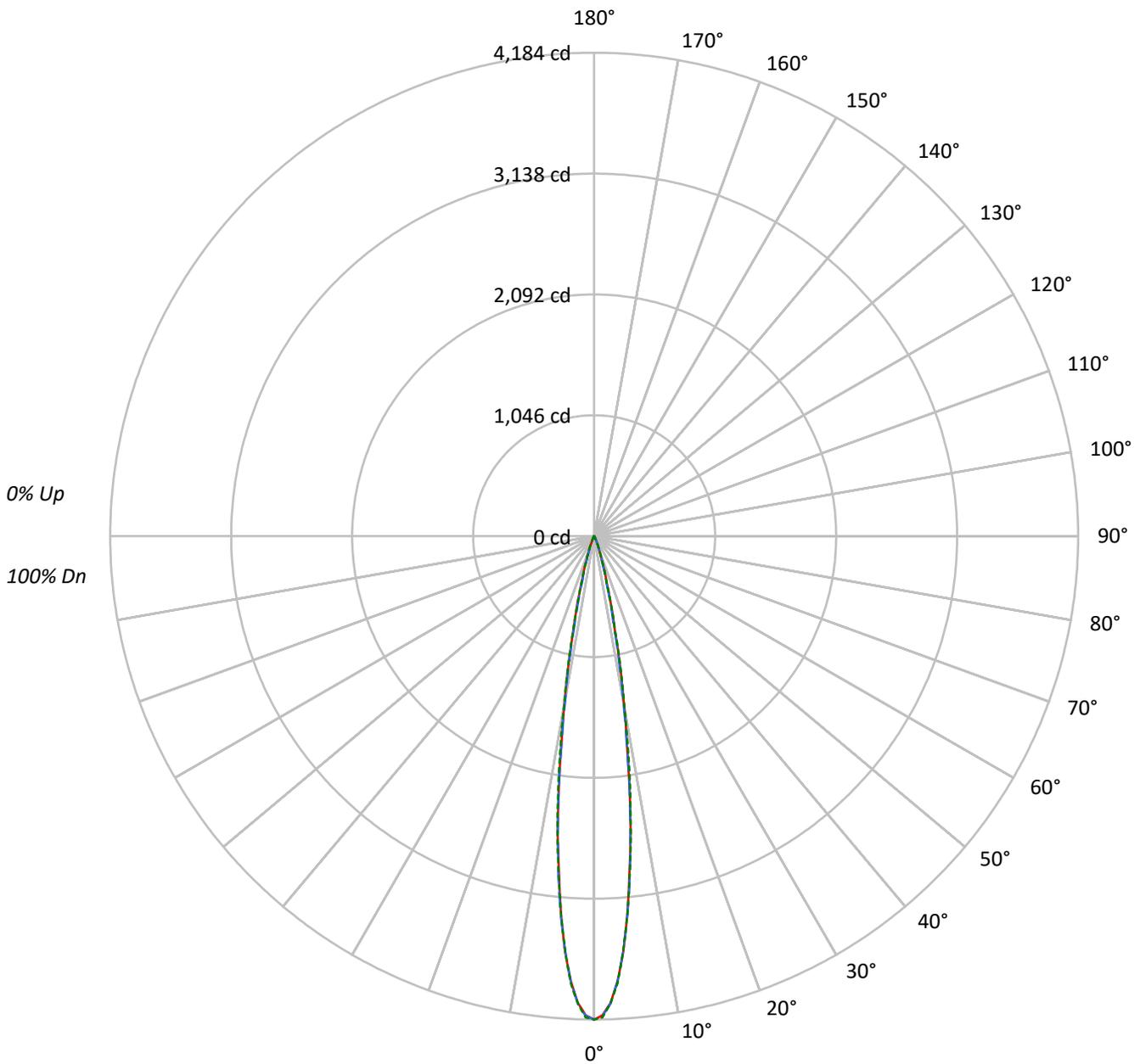
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 419.0 lumens  
Efficiency: N/A  
Efficacy: 58.2 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): 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

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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	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86	86

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

	0°	45°	90°
0°	720666	720666	720666
5°	568466	569987	567964
10°	260081	253260	265572
15°	77328	69037	75759
20°	22964	22268	24119
25°	6537	8437	7563
30°	2327	2506	2247
35°	883	799	799
40°	382	180	292
45°	195	97	195
50°	107	0	107
55°	120	0	120
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: 204 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	252.8	60.3
10°-20°	140.4	33.5
20°-30°	22.3	5.3
30°-40°	2.9	0.7
40°-50°	0.4	0.1
50°-60°	0.1	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°	415.5	99.2
0°-40°	418.5	99.9
0°-60°	419.0	100.0
0°-90°	419.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	419.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4184	4184	4184	4184	4184	
5°	3288	3316	3297	3283	3285	252
15°	434	428	387	411	425	143
25°	34	39	44	44	40	21
35°	4	4	4	4	4	3
45°	1	0	0	0	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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4184.5	4184.5	4184.5	4184.5	4184.5	4184.5	4184.5	4184.5	4184.5	4184.5	4184.5
1°	4148.5	4153.1	4159.0	4153.5	4148.5	4153.1	4146.8	4147.7	4142.6	4153.5	4165.7
2°	4042.9	4048.8	4045.4	4037.9	4049.6	4050.4	4037.5	4031.2	4030.3	4041.2	4045.4
3°	3856.0	3869.4	3869.8	3867.3	3863.6	3856.0	3842.6	3851.4	3839.2	3831.7	3874.4
4°	3607.5	3619.3	3633.1	3623.9	3596.2	3598.7	3607.5	3577.8	3579.4	3596.6	3597.9
5°	3288.2	3323.8	3325.5	3312.5	3290.7	3297.0	3290.7	3282.3	3285.3	3296.2	3285.3
6°	2912.3	2952.6	2922.8	2951.3	2945.0	2953.0	2955.1	2946.3	2952.6	2945.9	2943.8
7°	2587.6	2557.0	2561.2	2549.4	2562.0	2570.4	2575.4	2560.3	2572.5	2591.8	2597.2
8°	2184.9	2176.1	2167.3	2188.2	2182.4	2192.4	2198.7	2215.5	2214.6	2220.5	2239.8
9°	1801.5	1814.4	1822.4	1804.0	1819.9	1788.9	1799.8	1844.6	1832.9	1844.6	1879.0
10°	1487.2	1497.7	1485.9	1485.5	1468.7	1448.2	1446.9	1463.7	1498.9	1526.6	1518.6
12.5°	820.5	829.7	831.0	830.1	799.9	766.0	772.3	785.7	807.5	816.7	831.8
15°	433.7	433.3	437.9	424.9	409.0	387.2	388.9	407.3	423.6	427.8	424.9
17.5°	222.5	223.3	226.7	223.3	206.6	208.7	213.3	215.4	225.0	228.8	226.7
20°	125.3	125.7	125.3	126.6	119.8	121.5	127.4	127.8	129.9	132.0	131.6
22.5°	71.7	72.1	74.6	73.8	72.1	74.2	75.4	77.5	78.4	77.5	80.0
25°	34.4	34.8	34.8	39.8	42.3	44.4	45.3	44.4	43.6	40.2	39.8
27.5°	19.7	19.7	20.5	21.0	21.8	25.6	25.1	21.0	17.6	17.6	18.0
30°	11.7	11.3	11.3	11.7	12.2	12.6	11.7	11.3	11.3	11.7	11.3
32.5°	7.1	7.1	7.1	6.7	6.7	6.3	6.3	7.1	7.1	7.1	7.1
35°	4.2	4.2	4.2	4.2	3.8	3.8	3.8	4.2	4.2	3.8	3.8
37.5°	2.5	2.5	2.5	2.1	2.1	1.7	2.1	2.1	2.1	2.1	2.1
40°	1.7	1.7	1.3	1.3	0.8	0.8	0.8	1.3	1.3	1.3	1.3
42.5°	1.3	1.3	0.8	0.8	0.4	0.4	0.4	0.8	0.8	0.8	0.8
45°	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
47.5°	0.8	0.8	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.4	0.4
50°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
52.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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	0.4	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)