

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: P1316221

Luminaire Tested: LDSQA3D05R159740DE010 3LSQPHR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316221  
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: LDSQA3D05R159740DE010 3LSQPHR1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

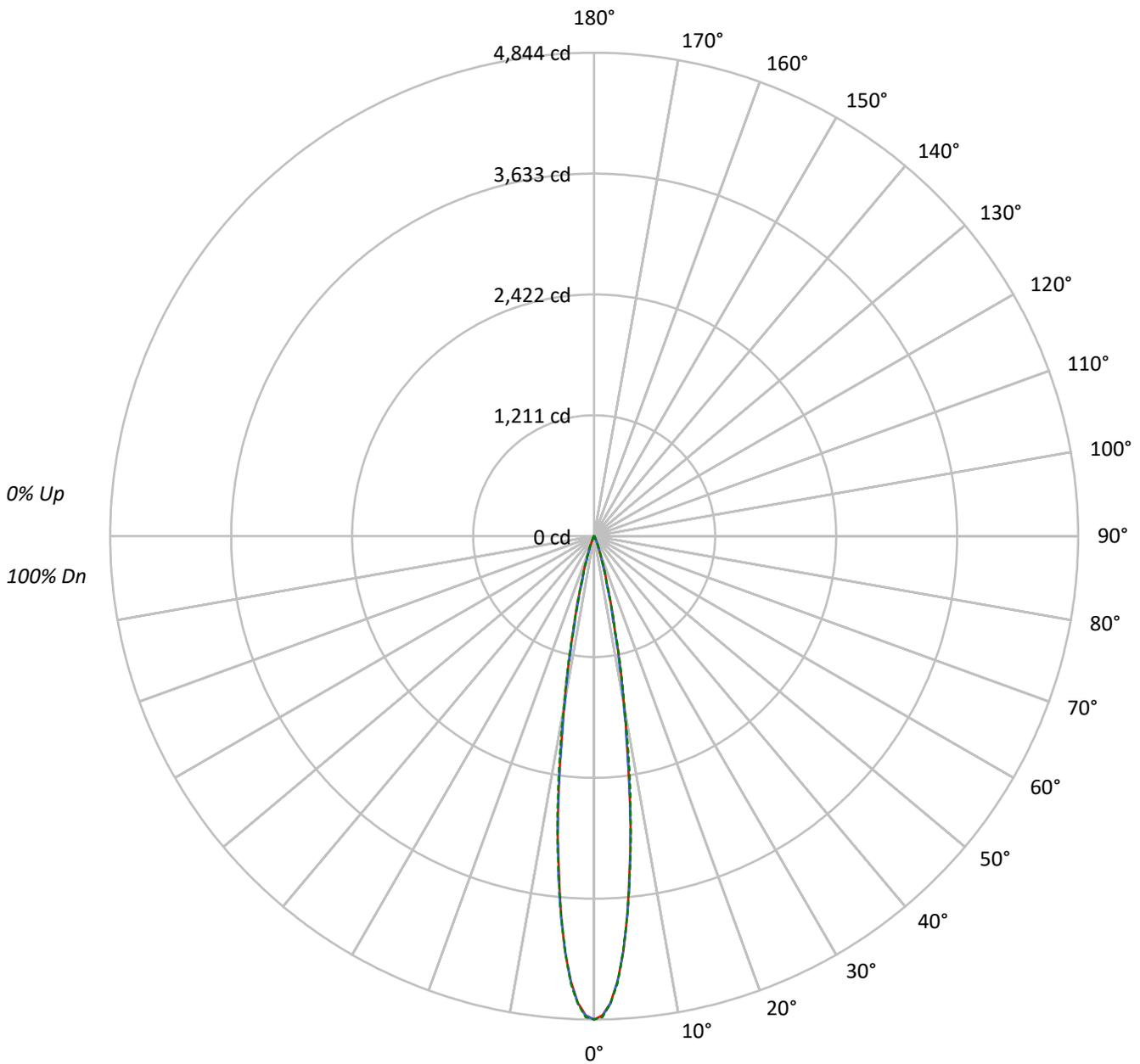
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 485.0 lumens  
Efficiency: N/A  
Efficacy: 67.4 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	103	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	90
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°	834195	834195	834195
5°	658018	659764	657430
10°	301037	293150	307403
15°	89506	79913	87687
20°	26575	25787	27913
25°	7563	9767	8760
30°	2705	2903	2605
35°	1030	925	925
40°	427	225	337
45°	244	122	244
50°	134	0	134
55°	150	0	150
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: 255 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	292.7	60.3
10°-20°	162.5	33.5
20°-30°	25.9	5.3
30°-40°	3.4	0.7
40°-50°	0.5	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°	481.0	99.2
0°-40°	484.4	99.9
0°-60°	485.0	100.0
0°-90°	485.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	485.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4844	4844	4844	4844	4844	
5°	3806	3838	3816	3800	3803	292
15°	502	496	448	476	492	166
25°	40	45	51	51	46	24
35°	5	5	4	5	4	4
45°	1	1	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°	4843.7	4843.7	4843.7	4843.7	4843.7	4843.7	4843.7	4843.7	4843.7	4843.7	4843.7
1°	4802.0	4807.3	4814.1	4807.8	4802.0	4807.3	4800.0	4801.0	4795.2	4807.8	4821.8
2°	4679.7	4686.5	4682.6	4673.9	4687.5	4688.5	4673.4	4666.1	4665.2	4677.8	4682.6
3°	4463.4	4478.9	4479.4	4476.5	4472.1	4463.4	4447.9	4458.1	4444.0	4435.3	4484.7
4°	4175.8	4189.3	4205.4	4194.7	4162.7	4165.6	4175.8	4141.3	4143.3	4163.2	4164.6
5°	3806.2	3847.4	3849.3	3834.3	3809.1	3816.3	3809.1	3799.4	3802.8	3815.4	3802.8
6°	3371.1	3417.6	3383.2	3416.2	3408.9	3418.1	3420.5	3410.4	3417.6	3409.9	3407.5
7°	2995.2	2959.8	2964.6	2951.0	2965.6	2975.3	2981.1	2963.6	2977.7	3000.0	3006.3
8°	2529.0	2518.8	2508.7	2532.9	2526.1	2537.8	2545.0	2564.4	2563.5	2570.3	2592.6
9°	2085.2	2100.3	2109.5	2088.1	2106.6	2070.7	2083.3	2135.2	2121.6	2135.2	2174.9
10°	1721.4	1733.6	1720.0	1719.5	1700.1	1676.3	1674.9	1694.3	1735.0	1767.0	1757.8
12.5°	949.7	960.4	961.8	960.9	926.0	886.7	893.9	909.5	934.7	945.4	962.8
15°	502.0	501.5	506.9	491.8	473.4	448.2	450.1	471.5	490.4	495.2	491.8
17.5°	257.6	258.5	262.4	258.5	239.1	241.6	246.9	249.3	260.5	264.8	262.4
20°	145.0	145.5	145.0	146.5	138.7	140.7	147.5	147.9	150.4	152.8	152.3
22.5°	82.9	83.4	86.3	85.4	83.4	85.9	87.3	89.7	90.7	89.7	92.6
25°	39.8	40.3	40.3	46.1	49.0	51.4	52.4	51.4	50.4	46.6	46.1
27.5°	22.8	22.8	23.8	24.3	25.2	29.6	29.1	24.3	20.4	20.4	20.9
30°	13.6	13.1	13.1	13.6	14.1	14.6	13.6	13.1	13.1	13.6	13.1
32.5°	8.2	8.2	8.2	7.8	7.8	7.3	7.3	8.2	8.2	8.2	8.2
35°	4.9	4.9	4.9	4.9	4.4	4.4	4.4	4.9	4.9	4.4	4.4
37.5°	2.9	2.9	2.9	2.4	2.4	1.9	2.4	2.4	2.4	2.4	2.4
40°	1.9	1.9	1.5	1.5	1.0	1.0	1.0	1.5	1.5	1.5	1.5
42.5°	1.5	1.5	1.0	1.0	0.5	0.5	0.5	1.0	1.0	1.0	1.0
45°	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
47.5°	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.5
50°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
52.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
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	0.5	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)