

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: P1313464

Luminaire Tested: LDSQA3D09R159727DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313464  
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: LDSQA3D09R159727DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

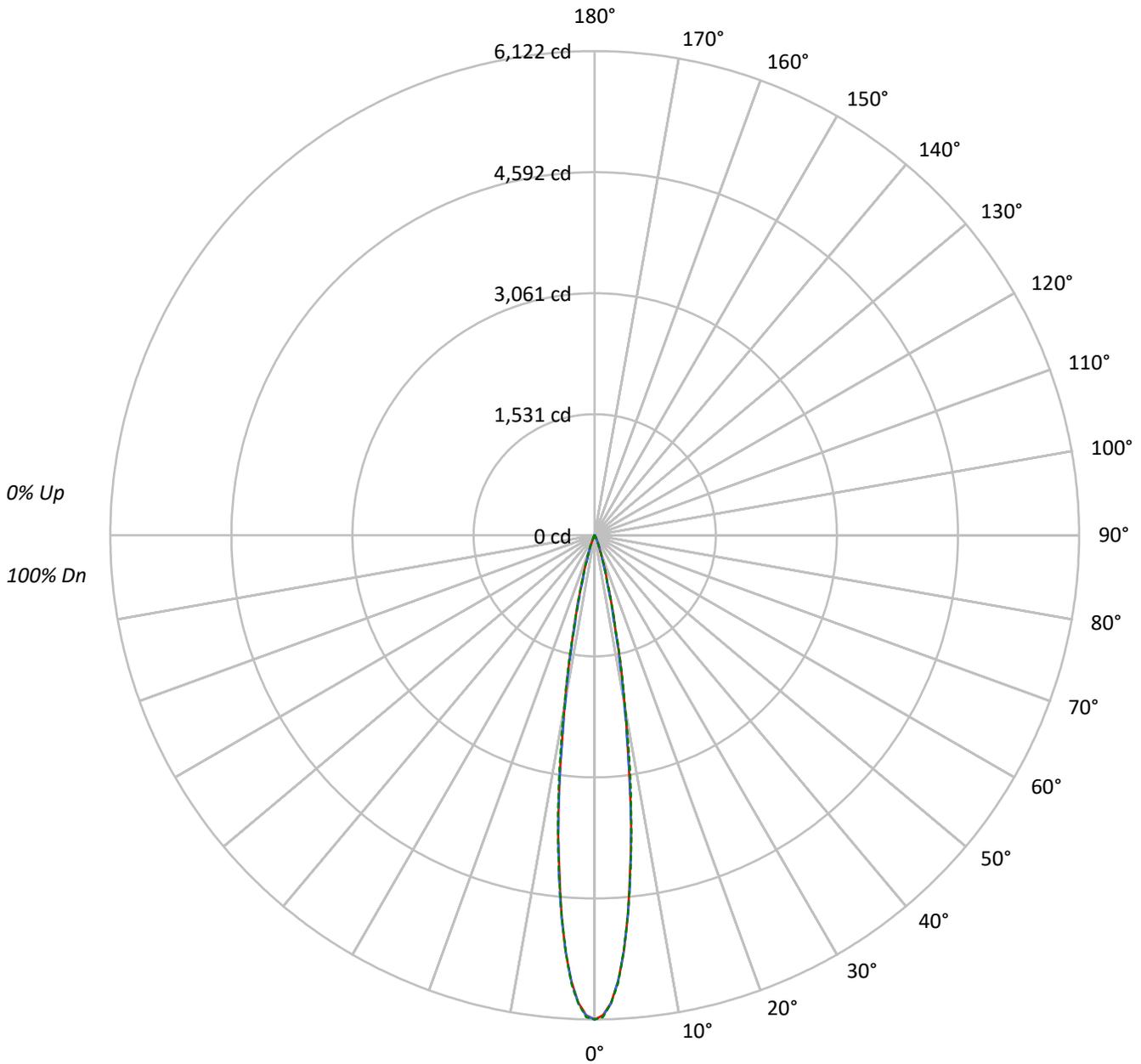
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 613.0 lumens  
Efficiency: N/A  
Efficacy: 55.2 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): 11.1  
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	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°	1054347	1054347	1054347
5°	831676	833889	830933
10°	380485	370517	388530
15°	113130	101006	110830
20°	33594	32586	35281
25°	9558	12352	11060
30°	3420	3659	3301
35°	1282	1156	1156
40°	562	270	405
45°	292	146	292
50°	161	0	161
55°	180	0	180
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: 306 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	369.9	60.3
10°-20°	205.4	33.5
20°-30°	32.7	5.3
30°-40°	4.3	0.7
40°-50°	0.6	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°	607.9	99.2
0°-40°	612.2	99.9
0°-60°	613.0	100.0
0°-90°	613.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	613.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6122	6122	6122	6122	6122	
5°	4811	4851	4824	4803	4806	369
15°	634	626	566	602	622	209
25°	50	56	65	65	58	31
35°	6	6	6	6	6	5
45°	1	1	1	1	1	1
55°	1	0	0	0	1	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°	6122.0	6122.0	6122.0	6122.0	6122.0	6122.0	6122.0	6122.0	6122.0	6122.0	6122.0
1°	6069.3	6076.0	6084.6	6076.6	6069.3	6076.0	6066.8	6068.1	6060.7	6076.6	6094.4
2°	5914.8	5923.4	5918.5	5907.4	5924.6	5925.8	5906.8	5897.6	5896.4	5912.3	5918.5
3°	5641.4	5661.0	5661.6	5657.9	5652.4	5641.4	5621.8	5634.6	5616.8	5605.8	5668.3
4°	5277.8	5295.0	5315.2	5301.7	5261.3	5265.0	5277.8	5234.3	5236.7	5261.9	5263.7
5°	4810.7	4862.8	4865.2	4846.2	4814.4	4823.5	4814.4	4802.1	4806.4	4822.3	4806.4
6°	4260.8	4319.6	4276.1	4317.8	4308.6	4320.2	4323.3	4310.4	4319.6	4309.8	4306.7
7°	3785.6	3740.9	3747.0	3729.9	3748.2	3760.5	3767.9	3745.8	3763.6	3791.8	3799.7
8°	3196.5	3183.6	3170.7	3201.4	3192.8	3207.5	3216.7	3241.2	3240.0	3248.6	3276.8
9°	2635.5	2654.5	2666.2	2639.2	2662.5	2617.1	2633.1	2698.7	2681.5	2698.7	2749.0
10°	2175.7	2191.1	2173.9	2173.3	2148.8	2118.7	2116.9	2141.4	2192.9	2233.4	2221.7
12.5°	1200.4	1213.9	1215.7	1214.5	1170.3	1120.7	1129.9	1149.5	1181.4	1194.9	1216.9
15°	634.5	633.9	640.6	621.6	598.3	566.5	568.9	595.9	619.8	625.9	621.6
17.5°	325.5	326.8	331.7	326.8	302.2	305.3	312.0	315.1	329.2	334.7	331.7
20°	183.3	183.9	183.3	185.1	175.3	177.8	186.4	187.0	190.0	193.1	192.5
22.5°	104.8	105.4	109.1	107.9	105.4	108.5	110.4	113.4	114.6	113.4	117.1
25°	50.3	50.9	50.9	58.2	61.9	65.0	66.2	65.0	63.8	58.9	58.2
27.5°	28.8	28.8	30.0	30.7	31.9	37.4	36.8	30.7	25.7	25.7	26.4
30°	17.2	16.6	16.6	17.2	17.8	18.4	17.2	16.6	16.6	17.2	16.6
32.5°	10.4	10.4	10.4	9.8	9.8	9.2	9.2	10.4	10.4	10.4	10.4
35°	6.1	6.1	6.1	6.1	5.5	5.5	5.5	6.1	6.1	5.5	5.5
37.5°	3.7	3.7	3.7	3.1	3.1	2.5	3.1	3.1	3.1	3.1	3.1
40°	2.5	2.5	1.8	1.8	1.2	1.2	1.2	1.8	1.8	1.8	1.8
42.5°	1.8	1.8	1.2	1.2	0.6	0.6	0.6	1.2	1.2	1.2	1.2
45°	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
47.5°	1.2	1.2	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.6
50°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
52.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
55°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
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	0.6	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)