

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: P1313777

Luminaire Tested: LDSQA3D17R159727DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313777  
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: LDSQA3D17R159727DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

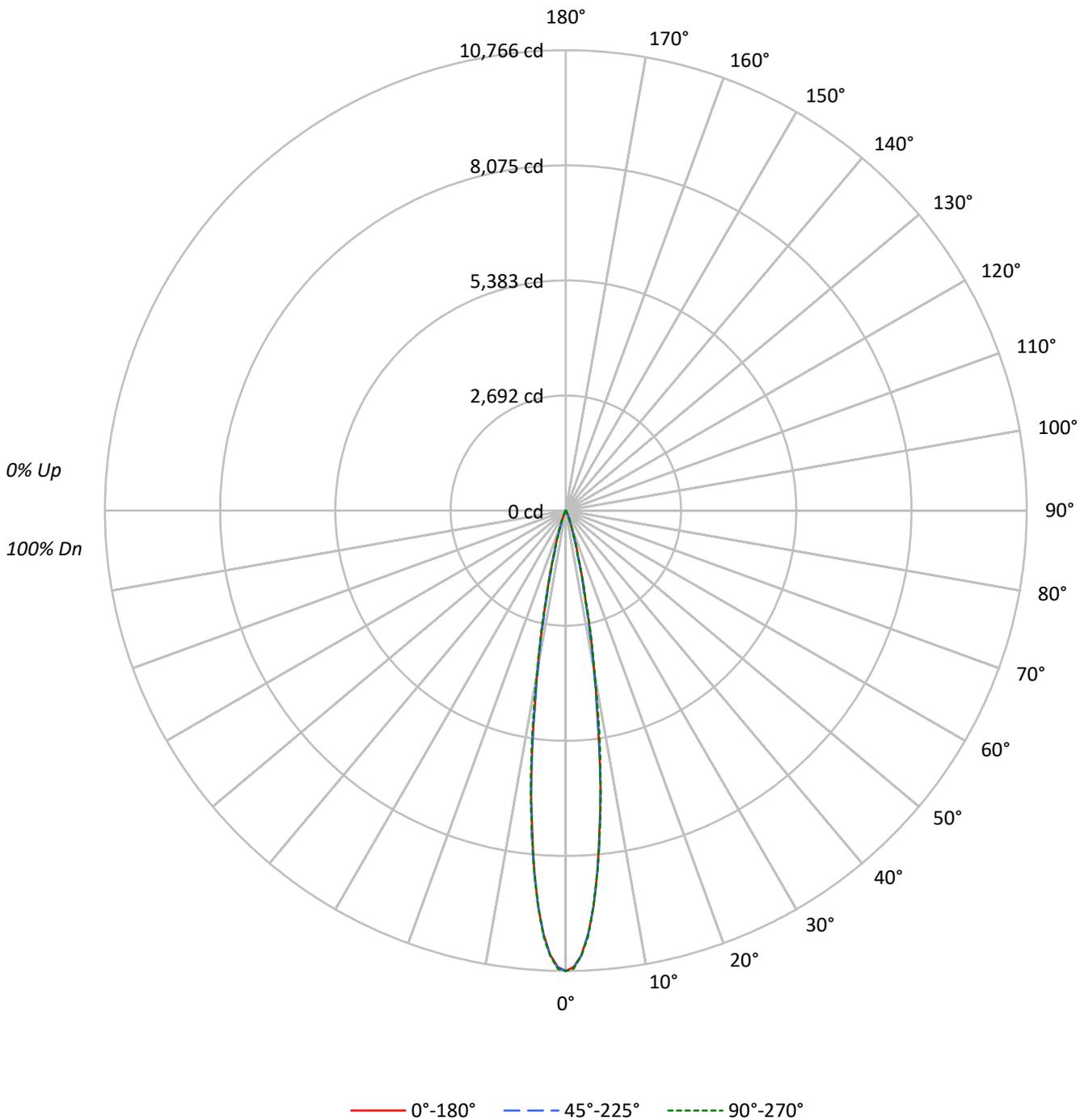
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1078.0 lumens  
Efficiency: N/A  
Efficacy: 50.8 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): 21.2  
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





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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°	1854132	1854132	1854132
5°	1462552	1466459	1461238
10°	669124	651583	683254
15°	198945	177620	194915
20°	59088	57310	62039
25°	16798	21720	19459
30°	6006	6423	5787
35°	2271	2039	2039
40°	967	495	719
45°	536	268	536
50°	295	0	295
55°	330	0	330
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: 561 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	650.5	60.3
10°-20°	361.1	33.5
20°-30°	57.5	5.3
30°-40°	7.5	0.7
40°-50°	1.1	0.1
50°-60°	0.3	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°	1069.1	99.2
0°-40°	1076.6	99.9
0°-60°	1078.0	100.0
0°-90°	1078.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1078.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10766	10766	10766	10766	10766	
5°	8460	8531	8482	8447	8452	649
15°	1116	1102	996	1058	1093	368
25°	88	99	114	114	102	54
35°	11	11	10	11	10	8
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°	10765.9	10765.9	10765.9	10765.9	10765.9	10765.9	10765.9	10765.9	10765.9	10765.9	10765.9
1°	10673.2	10685.1	10700.2	10686.2	10673.2	10685.1	10668.9	10671.1	10658.1	10686.2	10717.4
2°	10401.5	10416.6	10408.0	10388.6	10418.8	10421.0	10387.5	10371.4	10369.2	10397.2	10408.0
3°	9920.7	9955.2	9956.3	9949.8	9940.1	9920.7	9886.2	9908.9	9877.6	9858.2	9968.1
4°	9281.4	9311.6	9347.2	9323.4	9252.3	9258.8	9281.4	9204.8	9209.2	9253.4	9256.6
5°	8459.9	8551.5	8555.8	8522.4	8466.3	8482.5	8466.3	8444.8	8452.3	8480.4	8452.3
6°	7492.8	7596.3	7519.8	7593.1	7576.9	7597.4	7602.8	7580.1	7596.3	7579.1	7573.7
7°	6657.3	6578.6	6589.4	6559.2	6591.5	6613.1	6626.0	6587.2	6618.5	6668.1	6682.1
8°	5621.2	5598.6	5576.0	5629.9	5614.8	5640.6	5656.8	5699.9	5697.8	5712.9	5762.5
9°	4634.8	4668.2	4688.7	4641.2	4682.2	4602.4	4630.5	4745.8	4715.6	4745.8	4834.2
10°	3826.2	3853.1	3823.0	3821.9	3778.8	3725.9	3722.7	3765.8	3856.4	3927.5	3907.0
12.5°	2110.9	2134.6	2137.9	2135.7	2058.1	1970.8	1986.9	2021.4	2077.5	2101.2	2140.0
15°	1115.8	1114.8	1126.6	1093.2	1052.2	996.2	1000.5	1047.9	1090.0	1100.7	1093.2
17.5°	572.5	574.6	583.3	574.6	531.5	536.9	548.8	554.1	578.9	588.6	583.3
20°	322.4	323.4	322.4	325.6	308.3	312.7	327.7	328.8	334.2	339.6	338.5
22.5°	184.4	185.4	191.9	189.7	185.4	190.8	194.1	199.4	201.6	199.4	205.9
25°	88.4	89.5	89.5	102.4	108.9	114.3	116.4	114.3	112.1	103.5	102.4
27.5°	50.7	50.7	52.8	53.9	56.1	65.8	64.7	53.9	45.3	45.3	46.4
30°	30.2	29.1	29.1	30.2	31.3	32.3	30.2	29.1	29.1	30.2	29.1
32.5°	18.3	18.3	18.3	17.2	17.2	16.2	16.2	18.3	18.3	18.3	18.3
35°	10.8	10.8	10.8	10.8	9.7	9.7	9.7	10.8	10.8	9.7	9.7
37.5°	6.5	6.5	6.5	5.4	5.4	4.3	5.4	5.4	5.4	5.4	5.4
40°	4.3	4.3	3.2	3.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2
42.5°	3.2	3.2	2.2	2.2	1.1	1.1	1.1	2.2	2.2	2.2	2.2
45°	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
47.5°	2.2	2.2	1.1	1.1	0.0	0.0	0.0	1.1	1.1	1.1	1.1
50°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
52.5°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
55°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
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	1.1	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)