

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: P1308118

Luminaire Tested: LDSQA3D13R259027DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308118  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R259027DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

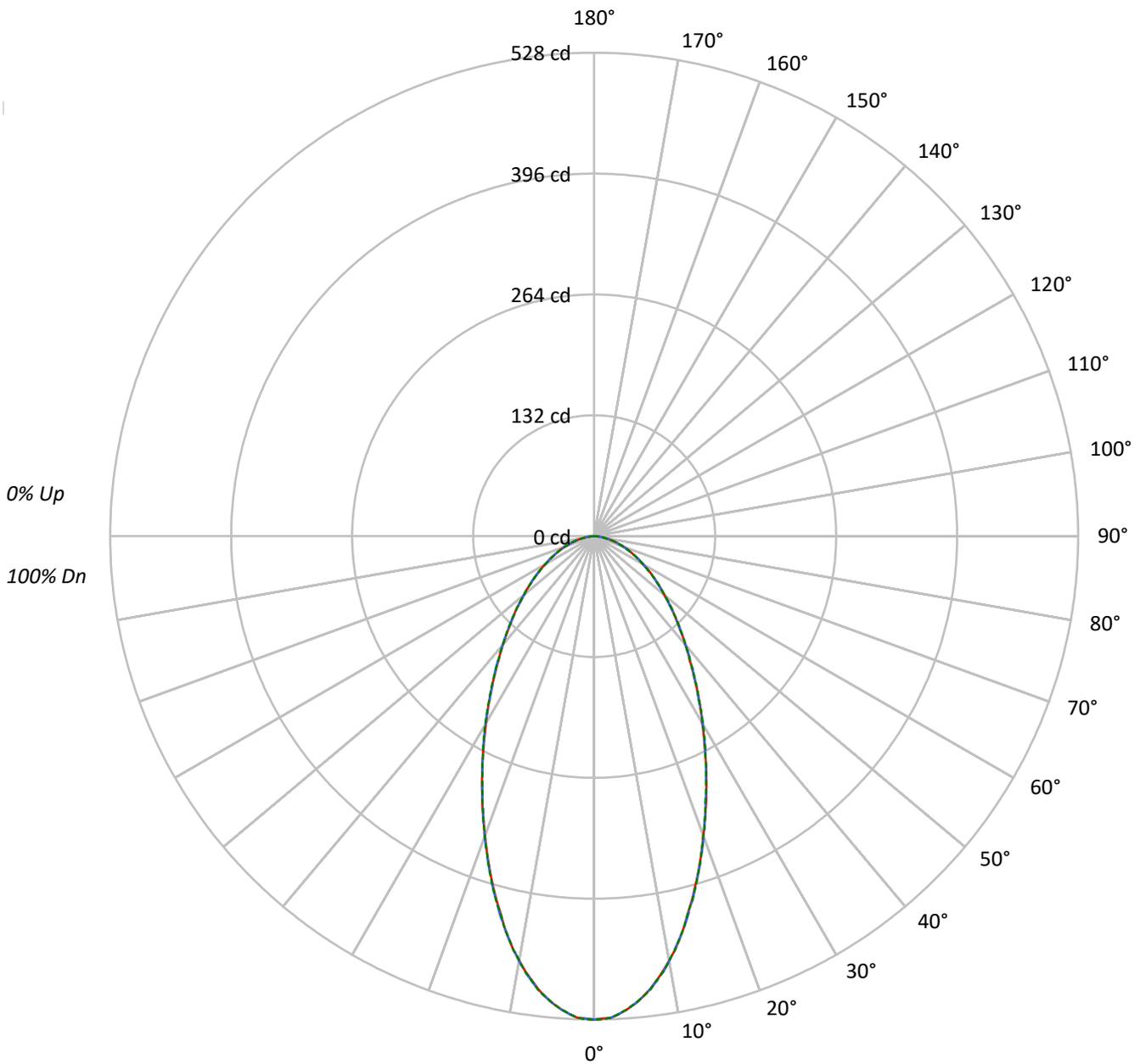
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 661.0 lumens  
Efficiency: N/A  
Efficacy: 45.3 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89  
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 (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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	88	
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	77	
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	68	
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	63	61	
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	56	55	
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	51	49	
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	47	45	
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	41	
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	38	
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37	37	35	

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

	0°	45°	90°
0°	90934	90934	90934
5°	88601	88601	88601
10°	82333	82491	82333
15°	73423	73601	73601
20°	63835	64018	63835
25°	54994	54823	54823
30°	46912	47091	47270
35°	40241	40241	40430
40°	34870	34870	34870
45°	30494	30494	30494
50°	26740	26740	26981
55°	23961	23961	23961
60°	21252	21252	21252
65°	19235	19235	19235
70°	17372	16919	17372
75°	15704	15105	15105
80°	12596	12596	12596
85°	8892	8892	8892

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 30494 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.6	7.2
10°-20°	114.9	17.4
20°-30°	132.8	20.1
30°-40°	120.4	18.2
40°-50°	97.0	14.7
50°-60°	71.5	10.8
60°-70°	47.0	7.1
70°-80°	24.3	3.7
80°-90°	5.5	0.8
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°	295.3	44.7
0°-40°	415.7	62.9
0°-60°	584.2	88.4
0°-90°	661.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	661.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	528	528	528	528	528	
5°	512	514	512	512	512	48
15°	412	413	413	412	413	115
25°	289	288	288	289	288	133
35°	191	191	191	191	192	120
45°	125	125	125	125	125	97
55°	80	80	80	79	80	72
65°	47	47	47	47	47	47
75°	24	23	23	23	23	25
85°	4	4	4	4	4	6
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	528.0	528.0	528.0	528.0	528.0
1°	527.1	528.9	527.1	527.1	528.0
2°	526.2	527.1	526.2	526.2	526.2
3°	522.5	524.3	522.5	522.5	522.5
4°	518.0	519.8	518.0	518.0	518.0
5°	512.5	514.4	512.5	512.5	512.5
6°	506.2	507.1	506.2	506.2	506.2
7°	498.9	499.8	498.9	498.9	499.8
8°	489.9	490.8	490.8	489.9	489.9
9°	480.8	481.7	481.7	480.8	481.7
10°	470.8	471.7	471.7	470.8	470.8
11°	460.8	461.7	459.9	459.9	460.8
12°	449.0	450.0	449.0	449.0	449.0
13°	437.2	437.2	437.2	437.2	437.2
14°	423.6	425.5	425.5	424.5	423.6
15°	411.8	412.8	412.8	411.8	412.8
17.5°	380.1	381.9	381.0	381.0	381.0
20°	348.3	349.3	349.3	348.3	348.3
22.5°	318.4	317.5	317.5	317.5	317.5
25°	289.4	288.5	288.5	289.4	288.5
27.5°	261.3	262.2	262.2	261.3	262.2
30°	235.9	235.9	236.8	235.9	237.7
32.5°	213.2	213.2	212.3	213.2	213.2
35°	191.4	191.4	191.4	191.4	192.3
37.5°	171.5	172.4	173.3	173.3	172.4
40°	155.1	155.1	155.1	155.1	155.1
42.5°	138.8	138.8	139.7	139.7	139.7
45°	125.2	125.2	125.2	125.2	125.2
47.5°	112.5	112.5	111.6	111.6	112.5
50°	99.8	100.7	99.8	99.8	100.7
52.5°	89.8	88.9	88.9	89.8	89.8
55°	79.8	79.8	79.8	78.9	79.8
57.5°	70.8	70.8	69.9	69.9	69.9
60°	61.7	61.7	61.7	61.7	61.7
62.5°	54.4	54.4	54.4	54.4	54.4
65°	47.2	47.2	47.2	47.2	47.2
67.5°	40.8	40.8	40.8	40.8	39.9
70°	34.5	34.5	33.6	33.6	34.5
72.5°	28.1	28.1	28.1	28.1	28.1
75°	23.6	22.7	22.7	22.7	22.7
77.5°	18.1	18.1	17.2	18.1	17.2
80°	12.7	12.7	12.7	12.7	12.7
82.5°	9.1	8.2	8.2	8.2	8.2
85°	4.5	4.5	4.5	4.5	4.5
87.5°	0.9	0.9	0.9	0.9	1.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)