

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: P1311663

Luminaire Tested: LDSQA3D17R359040DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311663  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359040DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

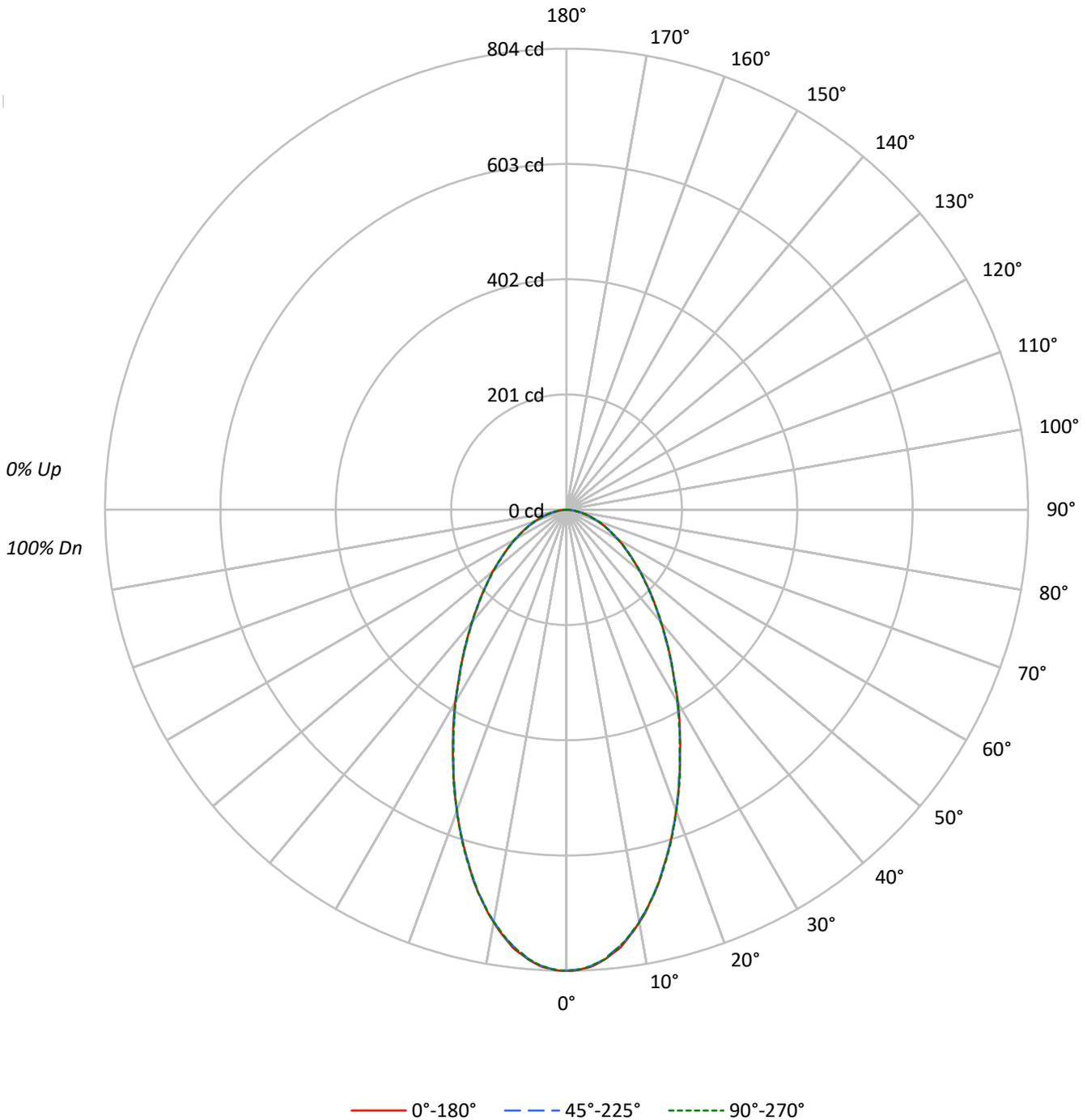
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1074.0 lumens  
Efficiency: N/A  
Efficacy: 50.7 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	88	
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	79	77	
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	70	68	
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	62	60	
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	56	54	
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	51	49	
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	46	44	
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	42	41	
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	39	38	
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	35	

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

	0°	45°	90°
0°	138450	138450	138450
5°	135867	135625	135867
10°	127749	127505	127749
15°	115662	115662	115912
20°	102378	102378	102378
25°	89027	88761	88761
30°	77180	76623	76901
35°	66437	66143	66437
40°	57644	57329	57644
45°	50636	50295	50295
50°	44932	44557	44557
55°	39544	39544	39544
60°	35822	35340	35822
65°	32194	32194	32194
70°	28601	28601	28601
75°	25818	24887	25818
80°	22018	22018	22018
85°	13635	13635	13635

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 50636 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.1	6.8
10°-20°	180.9	16.8
20°-30°	215.0	20.0
30°-40°	197.6	18.4
40°-50°	160.4	14.9
50°-60°	118.7	11.1
60°-70°	78.4	7.3
70°-80°	40.6	3.8
80°-90°	9.1	0.9
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°	469.1	43.7
0°-40°	666.6	62.1
0°-60°	945.7	88.1
0°-90°	1074.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1074.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	804	804	804	804	804	
5°	786	784	784	784	786	73
15°	649	649	649	649	650	181
25°	468	467	467	468	467	215
35°	316	315	315	316	316	198
45°	208	206	206	206	206	161
55°	132	132	132	132	132	119
65°	79	79	79	79	79	78
75°	39	39	37	39	39	41
85°	7	7	7	7	7	9
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	803.9	803.9	803.9	803.9	803.9
1°	803.9	802.5	802.5	802.5	803.9
2°	801.2	801.2	801.2	801.2	801.2
3°	798.4	797.0	797.0	797.0	797.0
4°	792.8	791.5	791.5	791.5	791.5
5°	785.9	784.5	784.5	784.5	785.9
6°	777.6	776.2	774.8	774.8	776.2
7°	769.3	766.5	766.5	766.5	766.5
8°	756.8	755.4	755.4	755.4	755.4
9°	744.3	741.6	742.9	742.9	742.9
10°	730.5	729.1	729.1	729.1	730.5
11°	716.6	715.2	715.2	713.8	715.2
12°	700.0	700.0	700.0	700.0	700.0
13°	684.7	683.3	683.3	683.3	684.7
14°	668.1	666.7	666.7	666.7	666.7
15°	648.7	648.7	648.7	648.7	650.1
17.5°	604.3	602.9	604.3	604.3	605.7
20°	558.6	557.2	558.6	558.6	558.6
22.5°	512.9	512.9	511.5	512.9	514.2
25°	468.5	467.1	467.1	468.5	467.1
27.5°	426.9	425.5	425.5	425.5	425.5
30°	388.1	385.3	385.3	386.7	386.7
32.5°	347.9	347.9	349.3	347.9	347.9
35°	316.0	314.6	314.6	316.0	316.0
37.5°	284.1	282.8	282.8	284.1	284.1
40°	256.4	256.4	255.0	256.4	256.4
42.5°	230.1	230.1	230.1	230.1	230.1
45°	207.9	206.5	206.5	206.5	206.5
47.5°	185.7	185.7	185.7	184.3	185.7
50°	167.7	166.3	166.3	166.3	166.3
52.5°	148.3	148.3	148.3	148.3	148.3
55°	131.7	131.7	131.7	131.7	131.7
57.5°	117.8	116.4	116.4	116.4	116.4
60°	104.0	104.0	102.6	104.0	104.0
62.5°	90.1	90.1	90.1	90.1	90.1
65°	79.0	79.0	79.0	79.0	79.0
67.5°	67.9	67.9	67.9	67.9	67.9
70°	56.8	56.8	56.8	56.8	56.8
72.5°	48.5	47.1	47.1	47.1	47.1
75°	38.8	38.8	37.4	38.8	38.8
77.5°	29.1	29.1	29.1	29.1	29.1
80°	22.2	22.2	22.2	20.8	22.2
82.5°	13.9	13.9	13.9	13.9	13.9
85°	6.9	6.9	6.9	6.9	6.9
87.5°	1.4	1.4	1.4	2.8	2.8



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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)