

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: P1314331

Luminaire Tested: LDSQA3D05R309730DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314331  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R309730DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

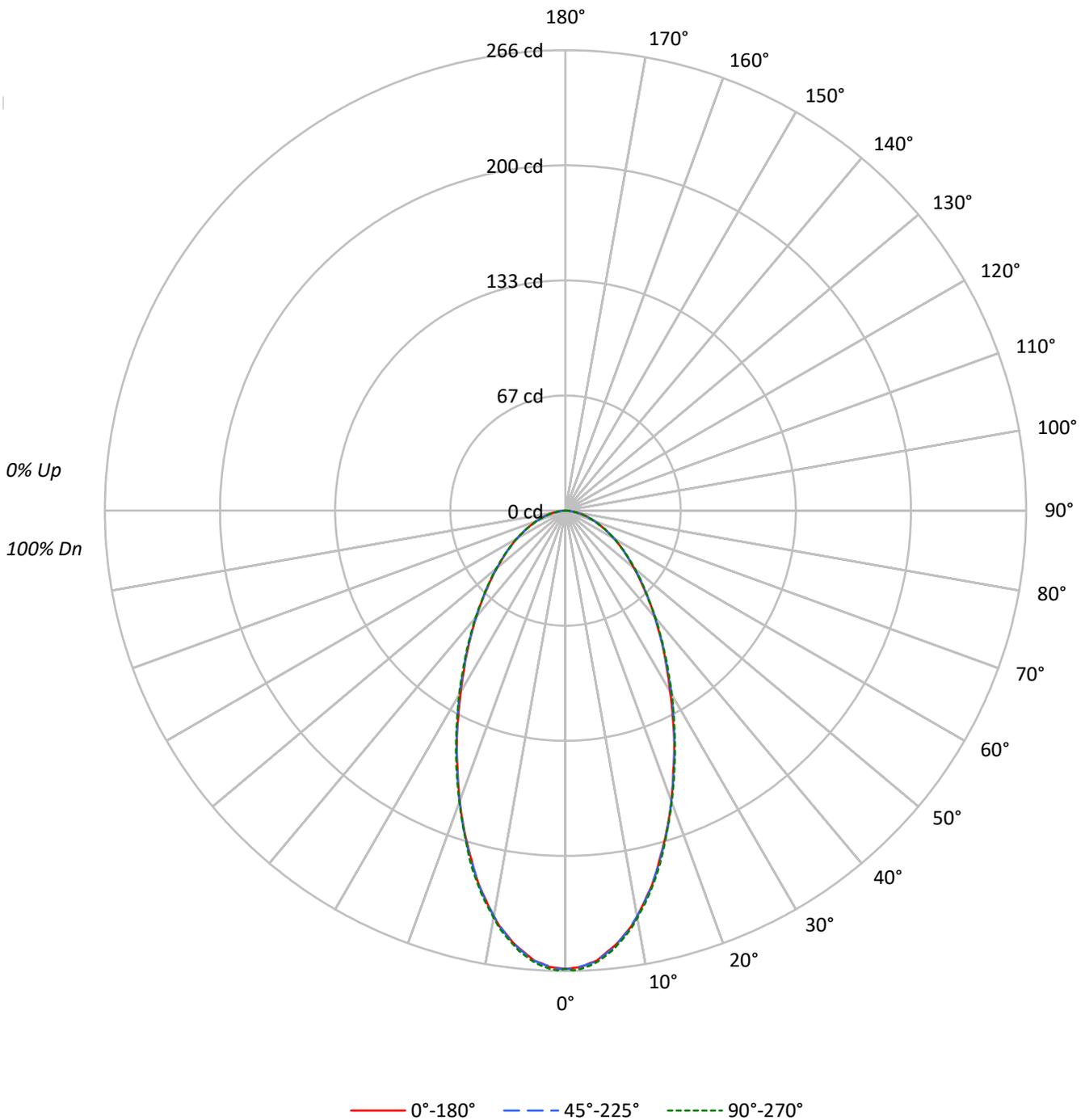
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 340.0 lumens  
Efficiency: N/A  
Efficacy: 47.2 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
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





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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	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	79	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	70	70	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

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

	0°	45°	90°
0°	45605	45605	45605
5°	44482	44551	44724
10°	41621	41621	41779
15°	37318	37407	37657
20°	32751	32751	32843
25°	28238	28238	28428
30°	24043	24321	24421
35°	20772	20856	20961
40°	17986	18076	18188
45°	15685	15807	15807
50°	13852	13852	13986
55°	12431	12431	12431
60°	11194	11194	11194
65°	9984	9984	9984
70°	9013	9013	9013
75°	8118	7852	7852
80°	7042	6546	6546
85°	4742	4742	4742

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 15807 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.0	7.1
10°-20°	58.5	17.2
20°-30°	68.3	20.1
30°-40°	62.1	18.3
40°-50°	50.2	14.8
50°-60°	37.1	10.9
60°-70°	24.4	7.2
70°-80°	12.6	3.7
80°-90°	2.9	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°	150.7	44.3
0°-40°	212.9	62.6
0°-60°	300.1	88.3
0°-90°	340.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	340.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	265	265	265	265	265	
5°	257	257	258	258	259	24
15°	209	210	210	210	211	58
25°	149	148	149	149	150	68
35°	99	98	99	99	100	62
45°	64	65	65	65	65	50
55°	41	41	41	41	41	37
65°	24	24	24	24	24	25
75°	12	12	12	12	12	13
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	264.8	264.8	264.8	264.8	264.8
1°	264.3	264.3	264.8	264.3	265.7
2°	263.8	263.4	263.4	263.4	264.8
3°	262.0	262.0	262.4	262.0	263.4
4°	260.6	260.1	260.6	260.1	261.5
5°	257.3	257.3	257.7	257.7	258.7
6°	254.4	254.4	254.9	254.4	255.9
7°	251.1	251.1	251.1	251.1	252.1
8°	246.9	246.9	247.4	247.4	248.3
9°	243.2	242.7	242.7	242.7	244.1
10°	238.0	238.0	238.0	238.0	238.9
11°	232.8	232.8	232.8	232.8	233.7
12°	227.2	227.2	227.6	227.2	228.6
13°	222.0	222.0	222.0	222.0	222.9
14°	215.9	215.4	215.9	215.9	217.3
15°	209.3	209.8	209.8	209.8	211.2
17.5°	194.2	194.2	194.7	193.8	194.7
20°	178.7	178.2	178.7	178.7	179.2
22.5°	162.7	163.2	163.2	163.2	164.1
25°	148.6	148.1	148.6	148.6	149.6
27.5°	134.0	134.5	135.0	134.5	135.5
30°	120.9	121.8	122.3	121.3	122.8
32.5°	109.1	109.1	109.6	110.1	110.5
35°	98.8	98.3	99.2	99.2	99.7
37.5°	88.9	88.9	88.9	89.4	89.8
40°	80.0	80.0	80.4	80.4	80.9
42.5°	72.0	71.5	72.0	72.0	72.0
45°	64.4	64.9	64.9	64.9	64.9
47.5°	57.8	57.8	58.3	57.8	58.3
50°	51.7	51.7	51.7	51.7	52.2
52.5°	46.1	46.1	46.1	46.1	46.6
55°	41.4	40.9	41.4	40.9	41.4
57.5°	36.7	36.7	36.7	36.7	36.7
60°	32.5	32.0	32.5	32.0	32.5
62.5°	28.2	28.2	28.2	28.2	28.2
65°	24.5	24.5	24.5	24.5	24.5
67.5°	21.2	21.2	21.2	20.7	20.7
70°	17.9	17.9	17.9	17.9	17.9
72.5°	15.1	14.6	14.6	14.6	14.6
75°	12.2	11.8	11.8	11.8	11.8
77.5°	9.4	9.4	8.9	8.9	9.4
80°	7.1	6.6	6.6	6.6	6.6
82.5°	4.2	4.2	4.2	4.2	4.2
85°	2.4	2.4	2.4	2.4	2.4
87.5°	0.5	0.5	0.5	0.9	0.9



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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)