

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: P1314297

Luminaire Tested: LDSQA3D05R209730DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314297  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R209730DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

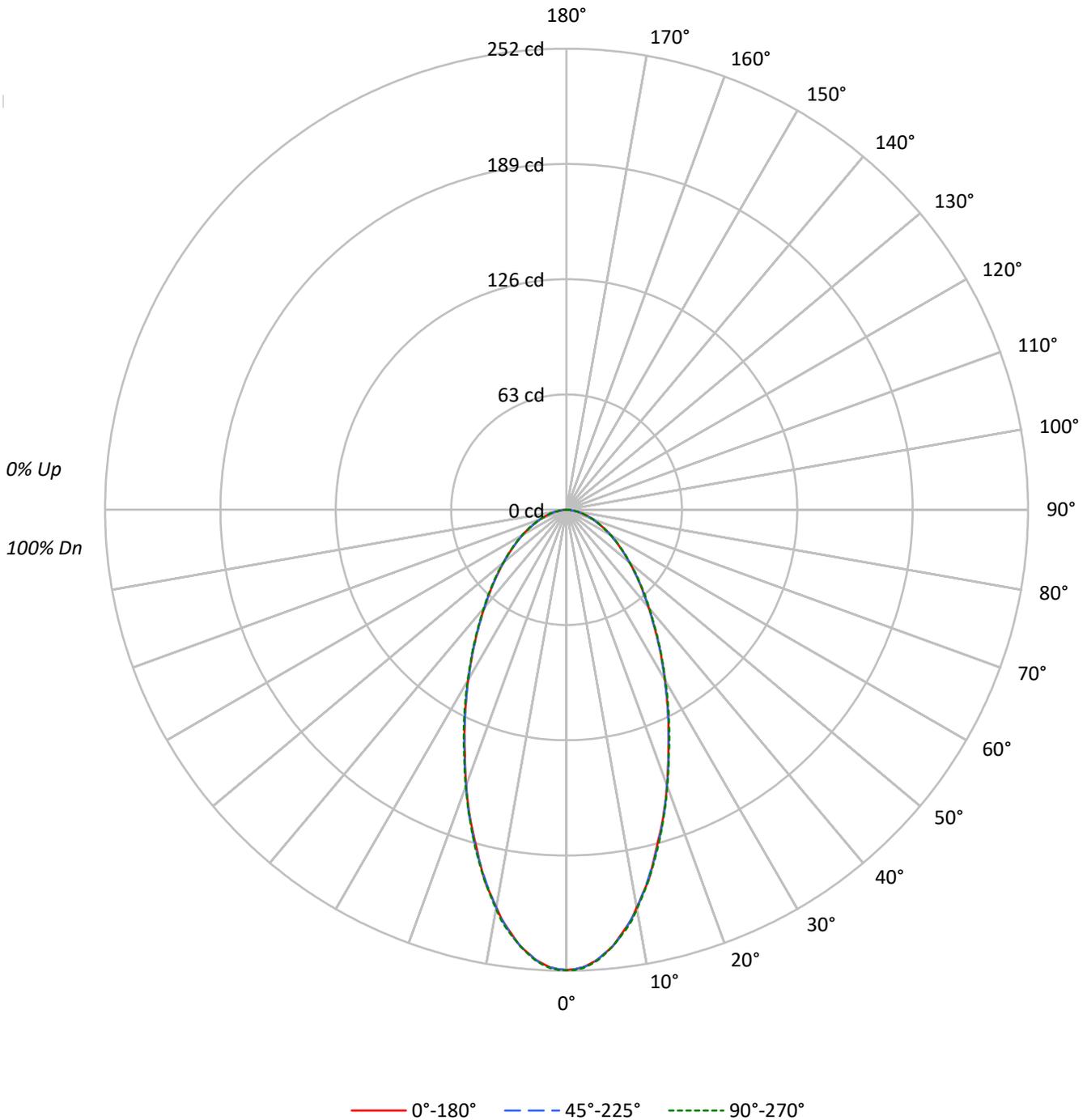
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 301.0 lumens  
Efficiency: N/A  
Efficacy: 41.8 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86  
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

TEST NUMBER: P1314297  
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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	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	79	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	70	70	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	52	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	47	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	40	40	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	37	37	36

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

	0°	45°	90°
0°	43331	43331	43331
5°	42027	42027	42114
10°	38578	38666	38736
15°	33966	34126	34215
20°	29397	29397	29489
25°	25027	25027	25198
30°	21358	21279	21438
35°	18228	18228	18333
40°	15670	15670	15760
45°	13688	13688	13785
50°	12030	12030	12030
55°	10659	10659	10779
60°	9610	9610	9610
65°	8599	8599	8599
70°	7704	7704	7704
75°	6854	6588	6854
80°	5752	5752	5752
85°	3557	3557	4347

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 13785 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.5	7.5
10°-20°	53.3	17.7
20°-30°	60.7	20.2
30°-40°	54.5	18.1
40°-50°	43.7	14.5
50°-60°	32.1	10.7
60°-70°	21.0	7.0
70°-80°	10.9	3.6
80°-90°	2.5	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°	136.5	45.3
0°-40°	190.9	63.4
0°-60°	266.7	88.6
0°-90°	301.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	301.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	252	252	252	252	252	
5°	243	243	243	243	244	22
15°	190	190	191	191	192	53
25°	132	132	132	132	133	61
35°	87	87	87	87	87	54
45°	56	56	56	56	57	44
55°	36	36	36	36	36	32
65°	21	21	21	21	21	21
75°	10	10	10	10	10	11
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	251.6	251.6	251.6	251.6	251.6
1°	251.2	250.8	251.2	251.2	251.6
2°	250.3	250.3	250.3	249.9	250.8
3°	248.5	248.5	249.0	248.5	249.0
4°	246.3	246.3	246.3	245.8	246.7
5°	243.1	243.1	243.1	243.1	243.6
6°	240.0	239.5	240.0	239.5	240.0
7°	235.5	235.5	235.9	235.5	235.9
8°	231.0	230.5	231.4	231.0	231.9
9°	226.5	226.0	226.5	226.0	227.4
10°	220.6	221.1	221.1	221.1	221.5
12.5°	207.2	206.3	206.3	206.3	207.2
15°	190.5	190.5	191.4	191.4	191.9
17.5°	175.7	175.3	176.2	176.2	176.2
20°	160.4	160.0	160.4	160.4	160.9
22.5°	145.1	145.6	145.6	145.6	146.0
25°	131.7	131.7	131.7	132.1	132.6
27.5°	119.1	118.6	119.1	119.5	120.0
30°	107.4	107.0	107.0	107.4	107.8
32.5°	96.6	96.2	96.6	96.6	97.1
35°	86.7	86.7	86.7	86.7	87.2
37.5°	77.7	77.7	77.7	78.2	78.2
40°	69.7	69.7	69.7	70.1	70.1
42.5°	62.5	62.5	62.5	62.9	63.4
45°	56.2	56.2	56.2	56.2	56.6
47.5°	50.3	50.3	50.3	50.8	50.8
50°	44.9	44.5	44.9	45.4	44.9
52.5°	40.0	40.0	40.0	40.0	40.4
55°	35.5	35.5	35.5	35.5	35.9
57.5°	31.5	31.5	31.5	31.9	31.9
60°	27.9	27.9	27.9	27.9	27.9
62.5°	24.3	24.3	24.3	24.3	24.3
65°	21.1	20.7	21.1	21.1	21.1
67.5°	18.0	18.0	18.0	18.0	18.0
70°	15.3	15.3	15.3	15.3	15.3
72.5°	12.6	12.6	12.6	12.6	12.6
75°	10.3	9.9	9.9	10.3	10.3
77.5°	8.1	7.6	8.1	8.1	8.1
80°	5.8	5.8	5.8	5.8	5.8
82.5°	3.6	3.6	3.6	4.0	4.0
85°	1.8	1.8	1.8	2.2	2.2
87.5°	0.4	0.4	0.4	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)