

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: P1307810

Luminaire Tested: LDSQA3D05R309027DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

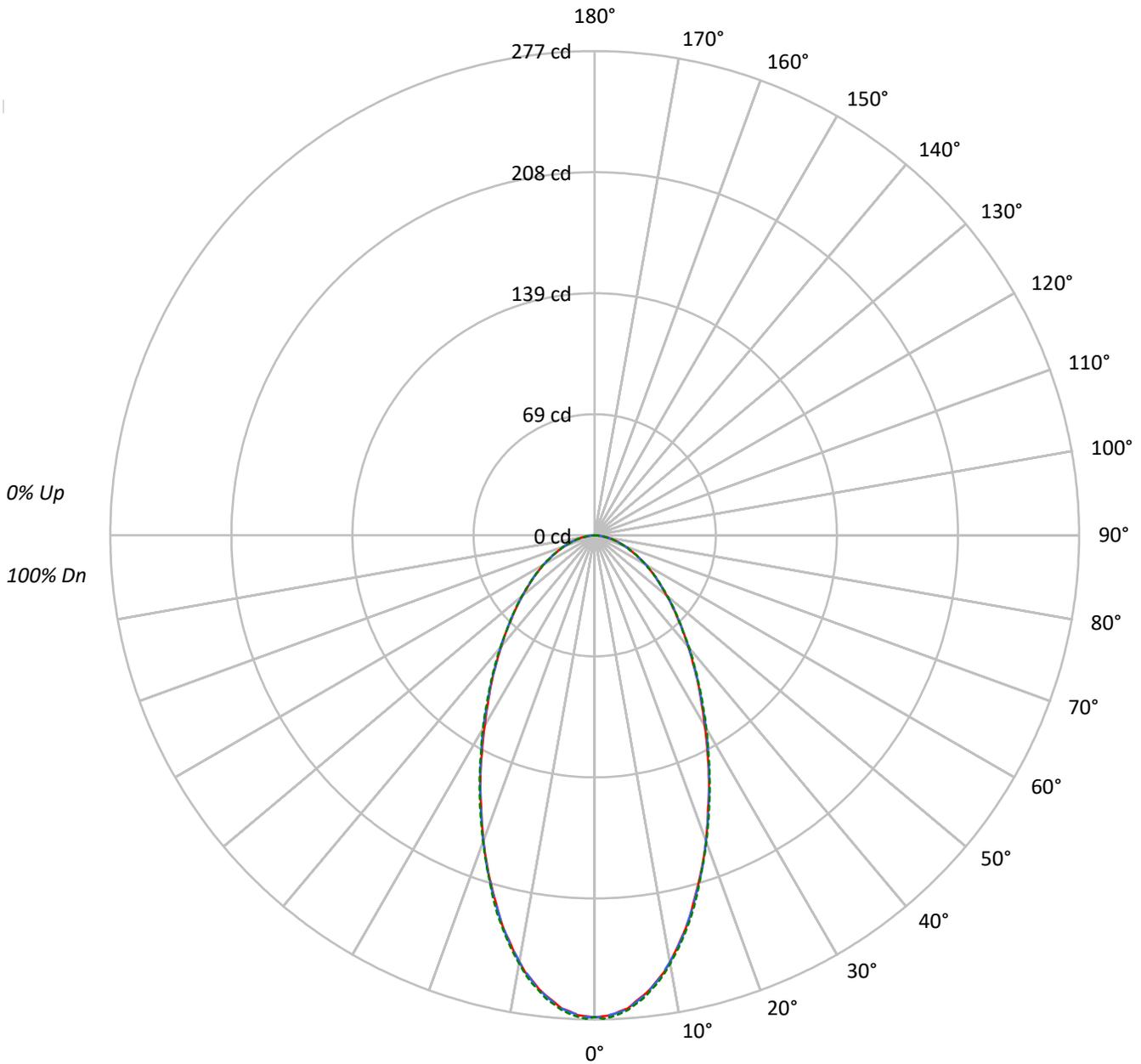
Test Method: LM-79-2019  
Report Number: P1307810  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R309027DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 354.0 lumens  
Efficiency: N/A  
Efficacy: 49.2 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 (A<sub>in</sub>): 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	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	74	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°	47482	47482	47482
5°	46315	46384	46557
10°	43335	43335	43510
15°	38851	38940	39208
20°	34108	34108	34199
25°	29397	29397	29587
30°	25017	25316	25415
35°	21613	21718	21823
40°	18705	18817	18930
45°	16343	16465	16465
50°	14441	14441	14575
55°	12941	12941	12941
60°	11642	11642	11642
65°	10392	10392	10392
70°	9366	9366	9366
75°	8451	8118	8118
80°	7240	6843	6843
85°	4742	4742	4742

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 16465 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.0	7.1
10°-20°	60.9	17.2
20°-30°	71.1	20.1
30°-40°	64.7	18.3
40°-50°	52.2	14.8
50°-60°	38.6	10.9
60°-70°	25.4	7.2
70°-80°	13.1	3.7
80°-90°	3.0	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°	156.9	44.3
0°-40°	221.6	62.6
0°-60°	312.4	88.3
0°-90°	354.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	354.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	276	276	276	276	276	
5°	268	268	268	268	269	25
15°	218	218	218	218	220	61
25°	155	154	155	155	156	71
35°	103	102	103	103	104	64
45°	67	68	68	68	68	52
55°	43	43	43	43	43	39
65°	26	26	26	26	26	25
75°	13	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°	275.7	275.7	275.7	275.7	275.7
1°	275.2	275.2	275.7	275.2	276.7
2°	274.7	274.2	274.2	274.2	275.7
3°	272.8	272.8	273.2	272.8	274.2
4°	271.3	270.8	271.3	270.8	272.3
5°	267.9	267.9	268.3	268.3	269.3
6°	264.9	264.9	265.4	264.9	266.4
7°	261.5	261.5	261.5	261.5	262.5
8°	257.1	257.1	257.6	257.6	258.6
9°	253.2	252.7	252.7	252.7	254.1
10°	247.8	247.8	247.8	247.8	248.8
11°	242.4	242.4	242.4	242.4	243.4
12°	236.5	236.5	237.0	236.5	238.0
13°	231.1	231.1	231.1	231.1	232.1
14°	224.8	224.3	224.8	224.8	226.2
15°	217.9	218.4	218.4	218.4	219.9
17.5°	202.2	202.2	202.7	201.7	202.7
20°	186.1	185.6	186.1	186.1	186.6
22.5°	169.4	169.9	169.9	169.9	170.9
25°	154.7	154.2	154.7	154.7	155.7
27.5°	139.6	140.0	140.5	140.0	141.0
30°	125.8	126.8	127.3	126.3	127.8
32.5°	113.6	113.6	114.1	114.6	115.1
35°	102.8	102.3	103.3	103.3	103.8
37.5°	92.5	92.5	92.5	93.0	93.5
40°	83.2	83.2	83.7	83.7	84.2
42.5°	74.9	74.4	74.9	74.9	74.9
45°	67.1	67.6	67.6	67.6	67.6
47.5°	60.2	60.2	60.7	60.2	60.7
50°	53.9	53.9	53.9	53.9	54.4
52.5°	48.0	48.0	48.0	48.0	48.5
55°	43.1	42.6	43.1	42.6	43.1
57.5°	38.2	38.2	38.2	38.2	38.2
60°	33.8	33.3	33.8	33.3	33.8
62.5°	29.4	29.4	29.4	29.4	29.4
65°	25.5	25.5	25.5	25.5	25.5
67.5°	22.0	22.0	22.0	21.5	21.5
70°	18.6	18.6	18.6	18.6	18.6
72.5°	15.7	15.2	15.2	15.2	15.2
75°	12.7	12.2	12.2	12.2	12.2
77.5°	9.8	9.8	9.3	9.3	9.8
80°	7.3	6.9	6.9	6.9	6.9
82.5°	4.4	4.4	4.4	4.4	4.4
85°	2.4	2.4	2.4	2.4	2.4
87.5°	0.5	0.5	0.5	1.0	1.0



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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)