

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: P1308805

Luminaire Tested: LDSQA3D02R509030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308805  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R509030DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

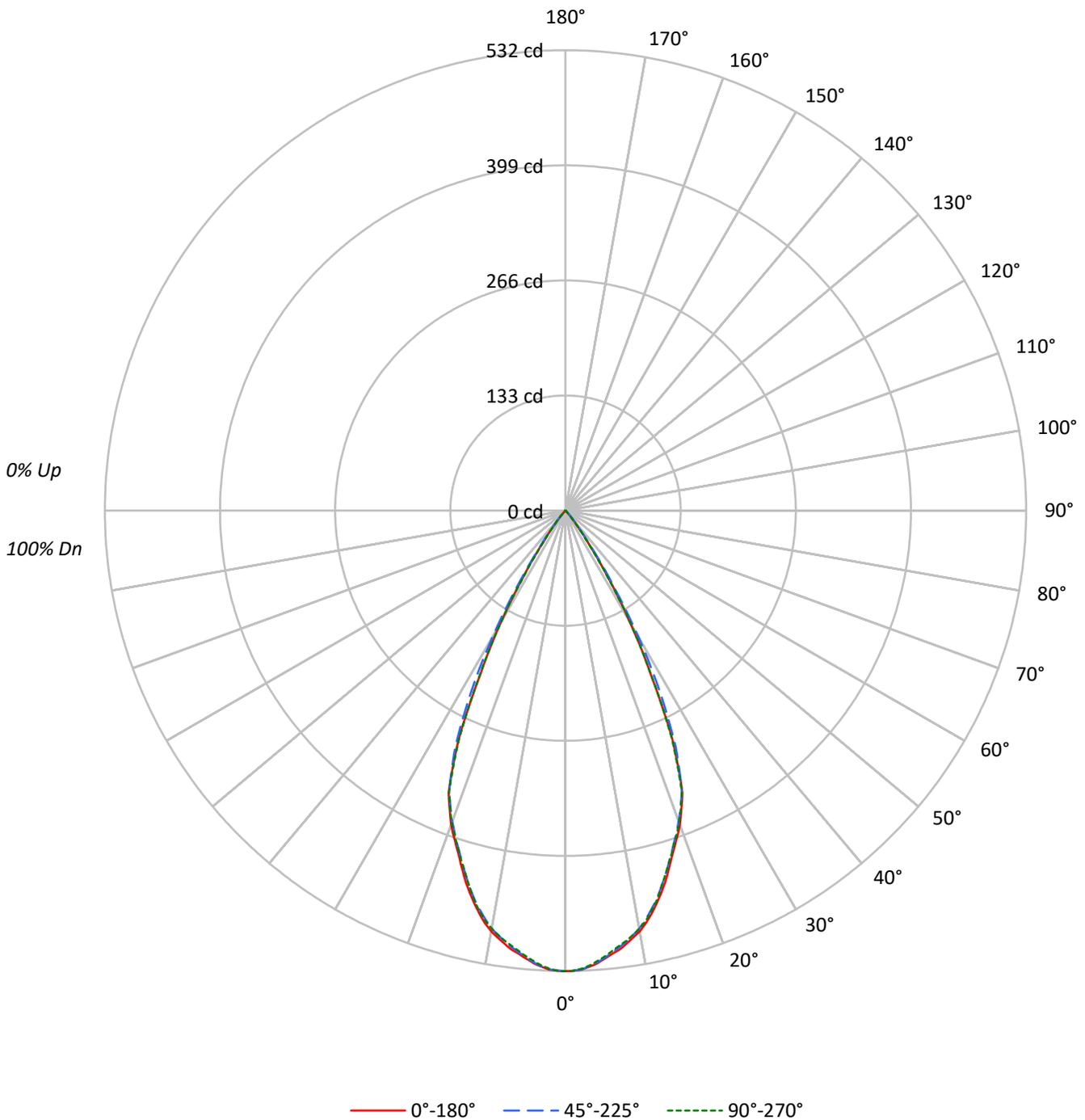
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 342.9 lumens  
Efficiency: N/A  
Efficacy: 95.3 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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





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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	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	80	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

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

	0°	45°	90°
0°	91657	91657	91657
5°	89863	89708	89448
10°	86355	85761	85796
15°	79271	78540	78451
20°	70818	70066	70414
25°	55659	57274	55203
30°	29770	33370	29870
35°	9734	11374	9167
40°	2406	3013	2293
45°	292	1072	292
50°	188	322	188
55°	210	210	210
60°	172	172	172
65°	204	204	204
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1072 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.7	14.2
10°-20°	123.1	35.9
20°-30°	129.5	37.8
30°-40°	37.3	10.9
40°-50°	3.0	0.9
50°-60°	0.6	0.2
60°-70°	0.5	0.1
70°-80°	0.2	0.1
80°-90°	0.1	0.0
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°	301.2	87.8
0°-40°	338.5	98.7
0°-60°	342.2	99.8
0°-90°	342.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	342.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	532	532	532	532	532	
5°	520	520	519	519	517	49
15°	445	442	440	440	440	124
25°	293	300	301	298	290	127
35°	46	48	54	46	44	36
45°	1	2	4	2	1	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	532.2	532.2	532.2	532.2	532.2
1°	532.0	532.5	531.5	533.2	531.8
2°	530.8	531.0	530.5	531.8	529.8
3°	527.9	528.3	527.4	528.3	526.6
4°	524.5	524.5	523.5	524.2	522.0
5°	519.8	519.6	518.9	519.3	517.4
6°	515.0	514.7	513.5	513.5	512.0
7°	511.3	509.6	508.6	508.4	506.9
8°	505.5	505.0	503.0	503.0	502.1
9°	499.6	499.1	496.9	497.4	496.7
10°	493.8	492.1	490.4	490.6	490.6
11°	486.0	484.5	482.1	483.1	483.5
12°	476.7	475.0	472.8	474.8	474.5
13°	466.5	465.0	463.3	464.8	464.3
14°	455.8	453.6	452.1	453.1	452.6
15°	444.6	441.7	440.5	440.5	440.0
17.5°	413.2	411.5	410.3	409.5	411.2
20°	386.4	384.9	382.3	383.0	384.2
22.5°	352.8	352.6	351.1	349.9	351.3
25°	292.9	300.2	301.4	298.0	290.5
27.5°	212.8	229.8	235.9	227.9	214.0
30°	149.7	157.8	167.8	151.9	150.2
32.5°	90.3	92.5	101.8	90.8	88.4
35°	46.3	48.0	54.1	46.3	43.6
37.5°	21.7	22.6	25.1	21.7	20.2
40°	10.7	11.9	13.4	11.2	10.2
42.5°	4.6	6.1	7.8	5.8	4.1
45°	1.2	2.4	4.4	2.4	1.2
47.5°	0.7	1.0	2.4	1.0	0.7
50°	0.7	0.7	1.2	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.5	0.7	0.5	0.7	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.2	0.0	0.2	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)