

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: P1309932

Luminaire Tested: LDSQA3D02R559035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309932  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R559035DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

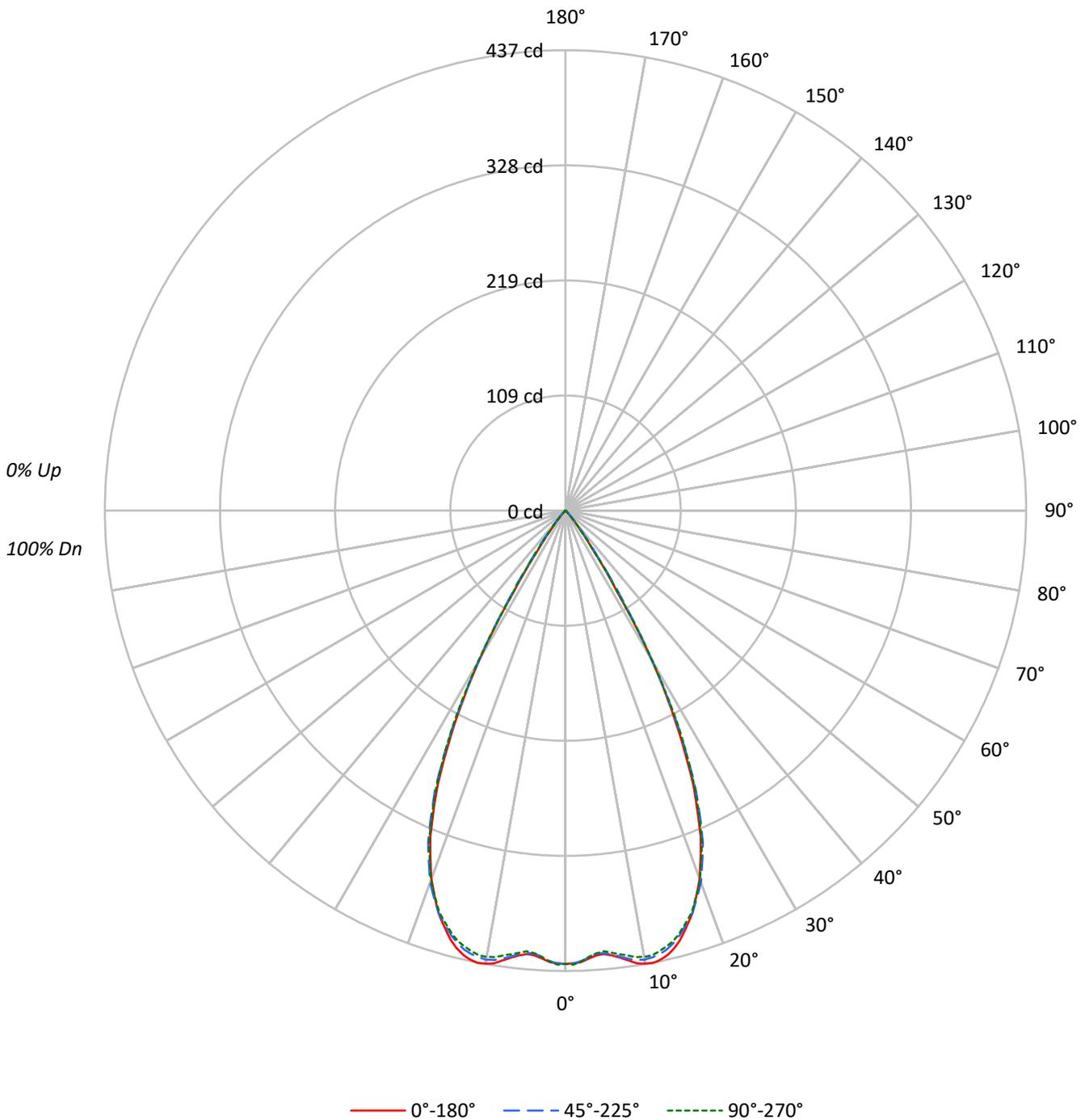
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 330.1 lumens  
Efficiency: N/A  
Efficacy: 91.7 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
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	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	85	85	85	85	84
4	100	93	88	84	98	92	87	83	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	69	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

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

	0°	45°	90°
0°	74107	74107	74107
5°	73042	72921	72575
10°	76352	75688	75216
15°	75153	74493	74172
20°	68160	68838	68343
25°	54500	55640	55127
30°	32694	32694	33091
35°	9440	11185	9755
40°	2698	3665	2698
45°	609	1413	609
50°	268	482	214
55°	240	240	240
60°	276	276	276
65°	204	204	204
70°	252	252	252
75°	200	200	200
80°	298	298	298
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1413 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.8	12.4
10°-20°	116.3	35.2
20°-30°	128.1	38.8
30°-40°	39.2	11.9
40°-50°	3.9	1.2
50°-60°	0.8	0.2
60°-70°	0.6	0.2
70°-80°	0.4	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°	285.2	86.4
0°-40°	324.4	98.3
0°-60°	329.1	99.7
0°-90°	330.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	330.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	430	430	430	430	430	
5°	422	422	422	420	420	41
15°	422	421	418	416	416	117
25°	287	290	293	296	290	126
35°	45	47	53	49	46	37
45°	2	4	6	4	2	3
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	430.3	430.3	430.3	430.3	430.3
1°	429.8	430.1	429.8	429.3	431.1
2°	428.8	428.6	427.8	427.6	428.3
3°	425.6	425.6	424.6	424.1	424.3
4°	423.1	423.1	421.5	421.0	421.3
5°	422.5	422.5	421.8	420.5	419.8
6°	424.6	425.1	423.3	422.0	422.0
7°	427.6	427.8	426.6	424.8	424.3
8°	431.3	431.6	429.6	427.6	426.6
9°	435.1	434.6	431.8	429.8	429.1
10°	436.6	436.4	432.8	430.8	430.1
11°	437.4	436.1	432.1	430.3	430.1
12°	435.6	434.6	430.3	428.6	427.8
13°	432.6	431.1	427.6	425.8	424.8
14°	427.8	426.3	423.1	421.0	421.3
15°	421.5	420.8	417.8	416.0	416.0
17.5°	400.7	401.2	400.5	399.7	399.2
20°	371.9	373.9	375.6	374.6	372.9
22.5°	335.0	338.5	340.5	341.0	337.7
25°	286.8	289.6	292.8	295.6	290.1
27.5°	226.8	229.3	232.4	234.1	233.4
30°	164.4	164.6	164.4	167.6	166.4
32.5°	91.3	98.9	100.1	102.4	94.3
35°	44.9	47.2	53.2	48.9	46.4
37.5°	21.6	23.1	28.9	23.6	22.6
40°	12.0	13.0	16.3	13.5	12.0
42.5°	5.8	7.5	8.8	7.8	5.8
45°	2.5	3.8	5.8	3.8	2.5
47.5°	1.0	1.5	3.5	1.5	1.0
50°	1.0	0.8	1.8	0.8	0.8
52.5°	0.8	0.8	1.0	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	0.8
60°	0.8	0.8	0.8	0.8	0.8
62.5°	0.5	0.8	0.8	0.8	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°	0.5	0.5	0.5	0.5	0.5
72.5°	0.3	0.5	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.3	0.3	0.3	0.3
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)