

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: P1323527

Luminaire Tested: LDSQA3D02R559030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323527
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: LDSQA3D02R559030D2WDE010 3LSQCDR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

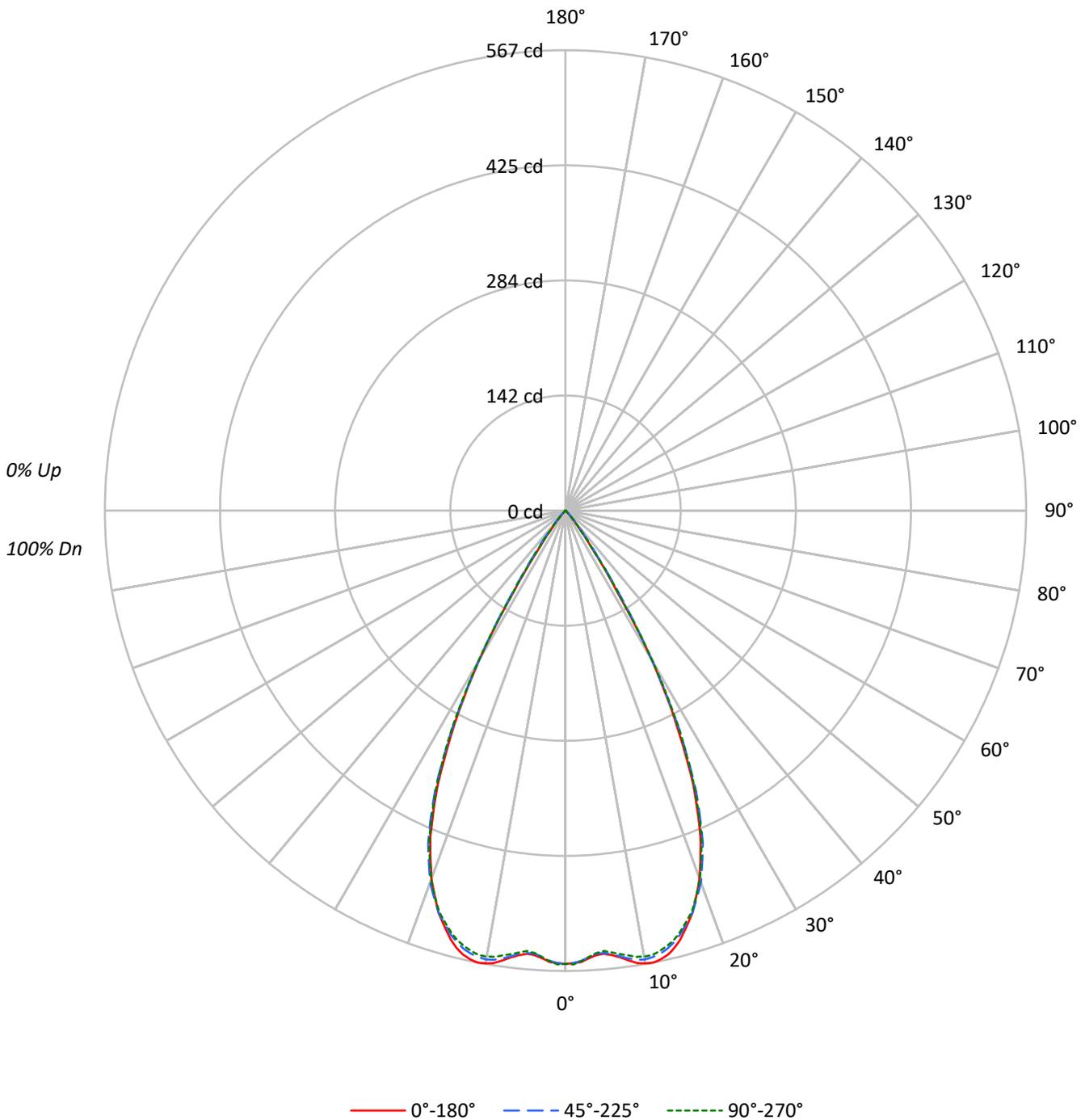
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 428.1 lumens
Efficiency: N/A
Efficacy: 59.5 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): 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	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	86	86	86	86	84
4	100	93	88	84	98	92	87	84	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	70	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°	96117	96117	96117
5°	94739	94583	94133
10°	99034	98177	97548
15°	97476	96620	96210
20°	88394	89292	88632
25°	70690	72172	71488
30°	42398	42398	42915
35°	12257	14507	12657
40°	3507	4766	3507
45°	804	1827	804
50°	348	616	268
55°	300	300	300
60°	344	344	344
65°	285	285	285
70°	352	352	352
75°	200	200	200
80°	298	298	298
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1827 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	12.4
10°-20°	150.8	35.2
20°-30°	166.2	38.8
30°-40°	50.8	11.9
40°-50°	5.0	1.2
50°-60°	1.0	0.2
60°-70°	0.8	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°	369.9	86.4
0°-40°	420.8	98.3
0°-60°	426.8	99.7
0°-90°	428.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	428.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	558	558	558	558	558	
5°	548	548	547	545	544	53
15°	547	546	542	540	540	152
25°	372	376	380	383	376	164
35°	58	61	69	64	60	48
45°	3	5	8	5	3	4
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
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°	558.1	558.1	558.1	558.1	558.1
1°	557.5	557.8	557.5	556.8	559.1
2°	556.2	555.8	554.9	554.5	555.5
3°	551.9	551.9	550.6	550.0	550.3
4°	548.7	548.7	546.7	546.1	546.4
5°	548.0	548.0	547.1	545.4	544.5
6°	550.6	551.3	549.0	547.4	547.4
7°	554.5	554.9	553.2	551.0	550.3
8°	559.4	559.8	557.1	554.5	553.2
9°	564.3	563.7	560.1	557.5	556.5
10°	566.3	565.9	561.4	558.8	557.8
11°	567.2	565.6	560.4	558.1	557.8
12°	565.0	563.7	558.1	555.8	554.9
13°	561.1	559.1	554.5	552.3	551.0
14°	554.9	552.9	548.7	546.1	546.4
15°	546.7	545.8	541.9	539.6	539.6
17.5°	519.7	520.4	519.4	518.4	517.8
20°	482.3	484.9	487.2	485.9	483.6
22.5°	434.5	439.0	441.6	442.3	438.0
25°	372.0	375.6	379.8	383.4	376.2
27.5°	294.2	297.4	301.4	303.6	302.7
30°	213.2	213.5	213.2	217.4	215.8
32.5°	118.5	128.2	129.8	132.8	122.4
35°	58.3	61.2	69.0	63.5	60.2
37.5°	28.0	29.9	37.4	30.6	29.3
40°	15.6	16.9	21.2	17.6	15.6
42.5°	7.5	9.8	11.4	10.1	7.5
45°	3.3	4.9	7.5	4.9	3.3
47.5°	1.3	2.0	4.6	2.0	1.3
50°	1.3	1.0	2.3	1.0	1.0
52.5°	1.0	1.0	1.3	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0
62.5°	0.7	1.0	1.0	1.0	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.3	0.7	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)