

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: P1323509

Luminaire Tested: LDSQA3D02R459030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323509
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R459030D2WDE010 3LSQCDR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

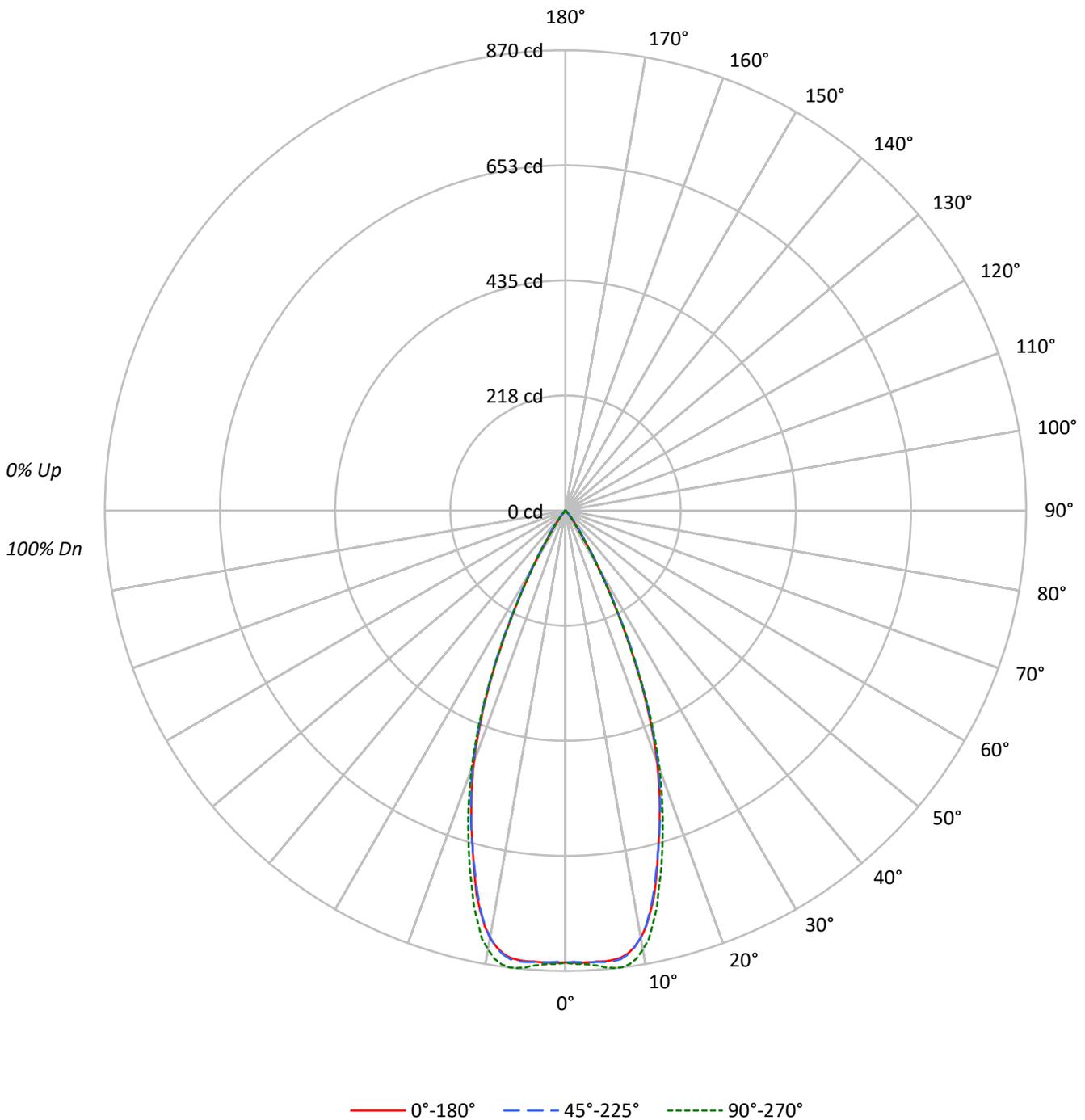
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 442.0 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	85	82	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	79	75	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	76	72	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	69	67	73	69	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	70	67	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	147078	147078	147078
5°	147813	148089	149784
10°	143419	143314	147301
15°	120191	120137	124559
20°	92921	93874	95193
25°	56970	58148	57084
30°	24421	25534	23645
35°	7674	9251	7464
40°	2630	3372	2563
45°	487	1437	390
50°	268	536	268
55°	300	300	300
60°	241	241	241
65°	285	285	285
70°	151	151	151
75°	200	200	200
80°	298	298	298
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1437 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	18.4
10°-20°	187.6	42.4
20°-30°	137.3	31.1
30°-40°	30.3	6.9
40°-50°	3.7	0.8
50°-60°	0.9	0.2
60°-70°	0.7	0.2
70°-80°	0.3	0.1
80°-90°	0.0	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°	406.0	91.9
0°-40°	436.4	98.7
0°-60°	441.0	99.8
0°-90°	442.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	442.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	854	854	854	854	854	
5°	855	854	857	863	866	81
15°	674	671	674	690	699	186
25°	300	299	306	304	300	136
35°	36	38	44	38	36	29
45°	2	3	6	3	2	3
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°	854.0	854.0	854.0	854.0	854.0
1°	854.7	853.4	853.0	855.3	856.9
2°	855.3	853.7	854.0	856.3	857.3
3°	854.7	853.0	854.7	857.9	859.2
4°	854.3	853.7	855.3	859.9	862.2
5°	855.0	854.3	856.6	862.8	866.4
6°	854.0	853.0	856.3	864.1	869.3
7°	851.7	850.7	854.3	863.8	869.6
8°	845.5	843.6	847.2	858.9	866.1
9°	834.5	831.8	835.4	849.1	857.6
10°	820.1	817.2	819.5	832.8	842.3
11°	799.6	795.7	798.3	812.6	825.0
12°	773.5	768.0	771.2	787.5	796.3
13°	745.2	740.0	740.6	755.3	767.7
14°	710.0	703.1	706.1	721.4	731.2
15°	674.1	670.6	673.8	690.1	698.6
17.5°	592.0	591.7	594.6	606.7	611.3
20°	507.0	508.0	512.2	518.7	519.4
22.5°	406.3	406.6	411.2	415.8	414.8
25°	299.8	299.4	306.0	303.7	300.4
27.5°	198.8	200.1	205.9	201.7	198.4
30°	122.8	125.4	128.4	123.2	118.9
32.5°	66.5	70.7	74.9	70.4	66.1
35°	36.5	38.4	44.0	38.4	35.5
37.5°	21.2	22.2	25.7	22.2	20.2
40°	11.7	13.4	15.0	13.4	11.4
42.5°	4.9	7.5	9.1	7.5	4.9
45°	2.0	3.3	5.9	3.3	1.6
47.5°	1.0	1.3	3.6	1.3	1.0
50°	1.0	1.0	2.0	1.0	1.0
52.5°	1.0	1.0	1.0	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°	0.7	0.7	0.7	1.0	0.7
62.5°	0.7	0.7	0.7	0.7	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°	0.3	0.3	0.3	0.7	0.3
72.5°	0.3	0.3	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°	0.0	0.0	0.0	0.0	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)