

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: P1312758

Luminaire Tested: LDSQA3D17R459050DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312758
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R459050DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

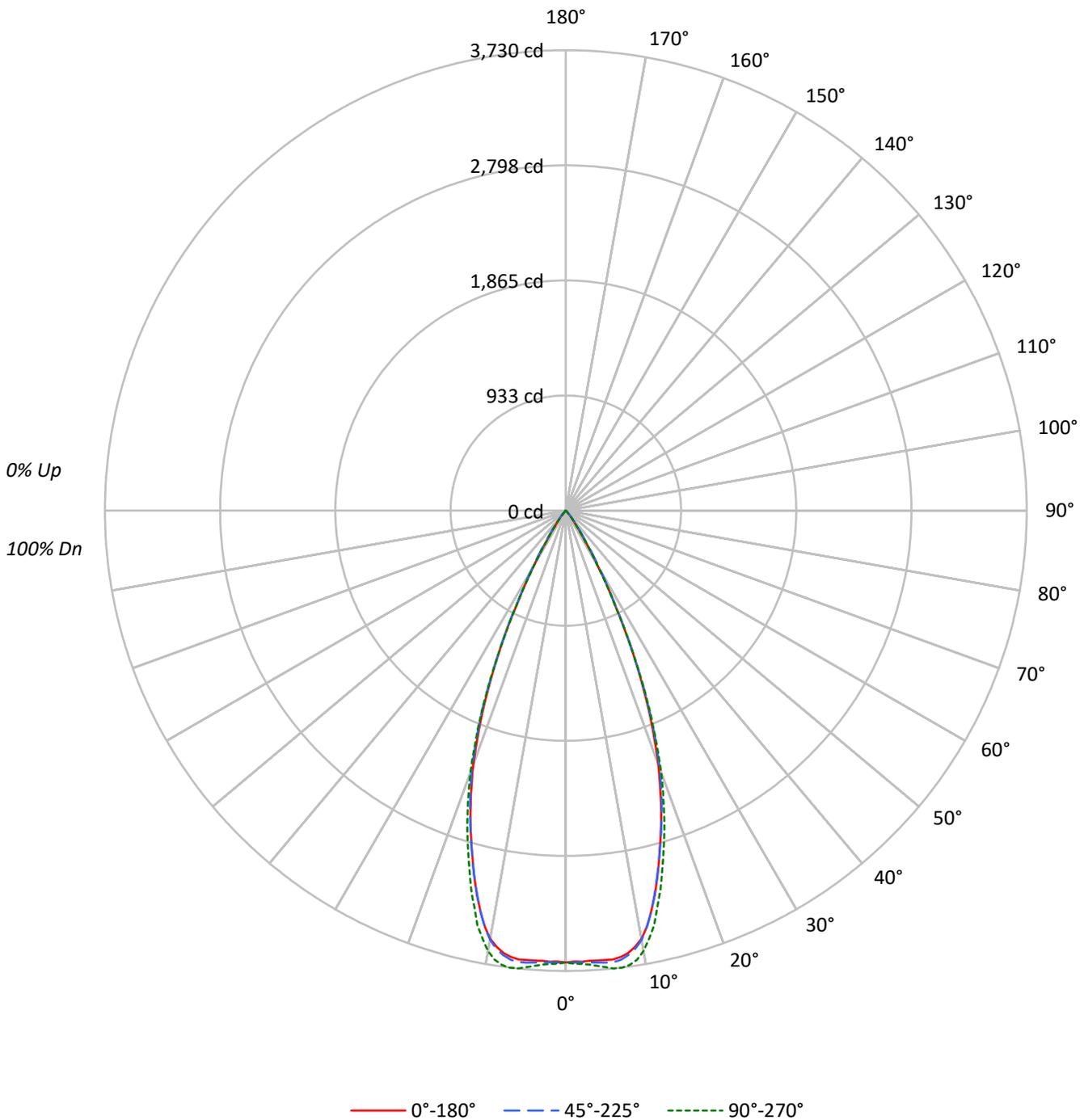
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1893.0 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

TEST NUMBER: P1312758
CATALOG NUMBER: LDSQA3D17R459050DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1312758

CATALOG NUMBER: LDSQA3D17R459050DE010 3LSQCDR1MMS

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	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	630576	630576	630576
5°	632017	635664	641992
10°	616188	617412	633658
15°	519846	520095	537158
20°	401282	406963	413671
25°	248954	249220	250816
30°	102694	109137	101024
35°	31957	39043	30759
40°	9802	13602	9173
45°	682	5139	682
50°	0	750	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 5139 cd/sqm



TEST NUMBER: P1312758

CATALOG NUMBER: LDSQA3D17R459050DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.5	18.4
10°-20°	810.2	42.8
20°-30°	594.4	31.4
30°-40°	127.7	6.7
40°-50°	12.1	0.6
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	1753.0	92.6
0°-40°	1880.8	99.4
0°-60°	1893.0	100.0
0°-90°	1893.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1893.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3661	3661	3661	3661	3661	
5°	3656	3666	3677	3702	3714	346
15°	2916	2910	2917	2963	3013	803
25°	1310	1306	1312	1312	1320	588
35°	152	163	186	159	146	120
45°	3	8	21	8	3	7
55°	0	0	0	0	0	0
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



TEST NUMBER: P1312758
 CATALOG NUMBER: LDSQA3D17R459050DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3661.4	3661.4	3661.4	3661.4	3661.4
1°	3654.4	3662.8	3662.8	3668.4	3671.2
2°	3657.2	3662.8	3661.4	3671.2	3675.5
3°	3652.9	3662.8	3665.6	3676.9	3683.9
4°	3654.4	3662.8	3671.2	3688.1	3698.0
5°	3655.8	3665.6	3676.9	3702.2	3713.5
6°	3657.2	3664.2	3676.9	3709.2	3730.3
7°	3643.1	3652.9	3667.0	3707.8	3730.3
8°	3620.6	3626.2	3637.5	3690.9	3717.7
9°	3578.4	3577.0	3593.8	3652.9	3683.9
10°	3523.5	3506.6	3530.5	3589.6	3623.4
11°	3434.8	3416.5	3437.7	3501.0	3533.3
12°	3319.5	3319.5	3323.7	3380.0	3436.2
13°	3197.0	3183.0	3191.4	3254.7	3294.1
14°	3061.9	3047.9	3056.3	3104.2	3166.1
15°	2915.6	2910.0	2917.0	2963.4	3012.7
17.5°	2568.0	2555.4	2580.7	2627.1	2652.5
20°	2189.5	2210.6	2220.5	2250.0	2257.1
22.5°	1754.7	1777.2	1791.3	1795.5	1799.7
25°	1310.1	1305.8	1311.5	1311.5	1319.9
27.5°	861.2	861.2	876.7	866.8	857.0
30°	516.4	537.5	548.8	530.5	508.0
32.5°	281.4	302.5	320.8	294.1	274.4
35°	152.0	163.2	185.7	159.0	146.3
37.5°	83.0	92.9	106.9	90.1	83.0
40°	43.6	53.5	60.5	53.5	40.8
42.5°	14.1	26.7	35.2	26.7	12.7
45°	2.8	8.4	21.1	8.4	2.8
47.5°	0.0	1.4	9.9	1.4	0.0
50°	0.0	0.0	2.8	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
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



TEST NUMBER: P1312758
CATALOG NUMBER: LDSQA3D17R459050DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)