

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: P1312593

Luminaire Tested: LDSQA3D13R409050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312593
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R409050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

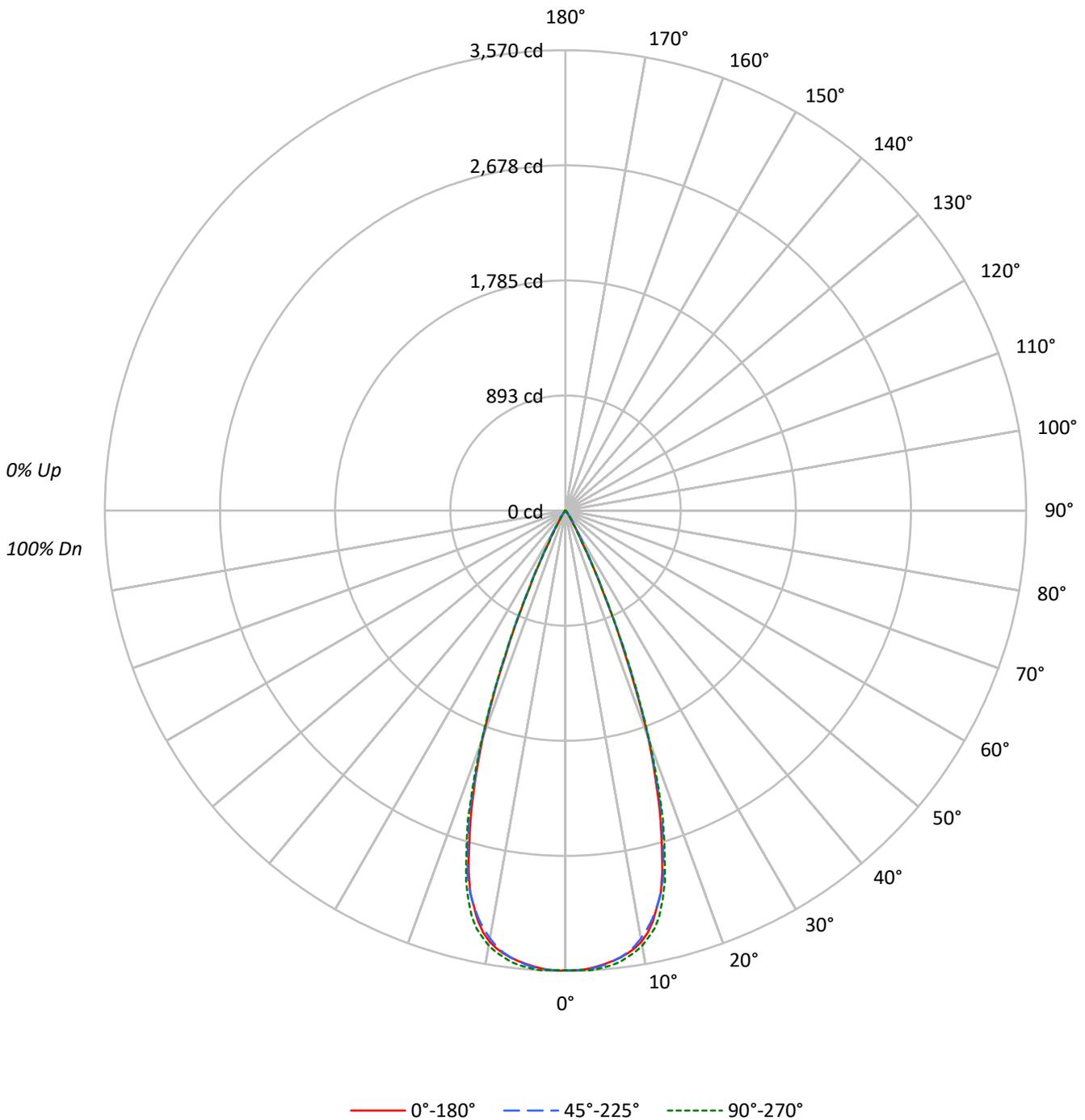
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1509.0 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): 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: P1312593
CATALOG NUMBER: LDSQA3D13R409050DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1312593

CATALOG NUMBER: LDSQA3D13R409050DE010 3LSQCDR1MW

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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	614060	614060	614060
5°	609974	610891	614193
10°	593453	589011	598840
15°	517082	522377	530526
20°	344430	346171	349488
25°	125228	129047	125836
30°	26588	35657	26588
35°	9377	15831	8914
40°	3350	5014	3350
45°	779	2070	779
50°	563	857	563
55°	631	631	631
60°	723	723	723
65°	448	856	448
70°	554	554	554
75°	732	732	732
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2070 cd/sqm



TEST NUMBER: P1312593

CATALOG NUMBER: LDSQA3D13R409050DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.2	22.1
10°-20°	776.4	51.5
20°-30°	349.4	23.2
30°-40°	39.8	2.6
40°-50°	5.7	0.4
50°-60°	1.9	0.1
60°-70°	1.6	0.1
70°-80°	1.0	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°	1459.0	96.7
0°-40°	1498.8	99.3
0°-60°	1506.4	99.8
0°-90°	1509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1509.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3566	3566	3566	3566	3566	
5°	3528	3524	3534	3550	3553	333
15°	2900	2908	2930	2953	2976	770
25°	659	663	679	679	662	341
35°	45	50	75	48	42	33
45°	3	5	8	5	3	4
55°	2	2	2	2	2	2
65°	1	2	2	2	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1312593

CATALOG NUMBER: LDSQA3D13R409050DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3565.5	3565.5	3565.5	3565.5	3565.5
1°	3567.6	3564.4	3563.3	3569.7	3564.4
2°	3564.4	3562.3	3563.3	3569.7	3565.5
3°	3554.8	3555.9	3559.1	3570.8	3569.7
4°	3543.2	3542.1	3548.5	3563.3	3563.3
5°	3528.3	3524.1	3533.6	3549.5	3552.7
6°	3511.3	3506.0	3513.5	3533.6	3541.0
7°	3492.2	3481.6	3488.0	3512.4	3521.9
8°	3466.8	3453.0	3460.4	3484.8	3492.2
9°	3434.9	3413.7	3420.1	3449.8	3464.6
10°	3393.5	3367.0	3368.1	3401.0	3424.3
11°	3335.2	3305.5	3306.5	3347.9	3372.3
12°	3257.7	3231.2	3236.5	3274.7	3314.0
13°	3152.7	3145.2	3151.6	3193.0	3229.1
14°	3050.8	3043.4	3055.0	3093.2	3110.2
15°	2900.1	2907.5	2929.8	2953.2	2975.5
17.5°	2422.6	2451.3	2477.8	2493.7	2512.8
20°	1879.3	1846.4	1888.8	1869.7	1906.9
22.5°	1212.9	1237.3	1247.9	1237.3	1241.5
25°	659.0	663.2	679.1	679.1	662.2
27.5°	280.1	302.4	322.6	315.2	280.1
30°	133.7	153.9	179.3	154.9	133.7
32.5°	75.3	89.1	115.7	87.0	73.2
35°	44.6	49.9	75.3	47.8	42.4
37.5°	26.5	27.6	41.4	28.7	25.5
40°	14.9	18.0	22.3	18.0	14.9
42.5°	7.4	10.6	13.8	10.6	7.4
45°	3.2	5.3	8.5	5.3	3.2
47.5°	3.2	3.2	5.3	3.2	3.2
50°	2.1	2.1	3.2	2.1	2.1
52.5°	2.1	2.1	2.1	2.1	2.1
55°	2.1	2.1	2.1	2.1	2.1
57.5°	2.1	2.1	2.1	2.1	2.1
60°	2.1	2.1	2.1	2.1	2.1
62.5°	2.1	2.1	2.1	2.1	2.1
65°	1.1	2.1	2.1	2.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
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: P1312593
CATALOG NUMBER: LDSQA3D13R409050DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)