

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: P1312559

Luminaire Tested: LDSQA3D13R309050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312559
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

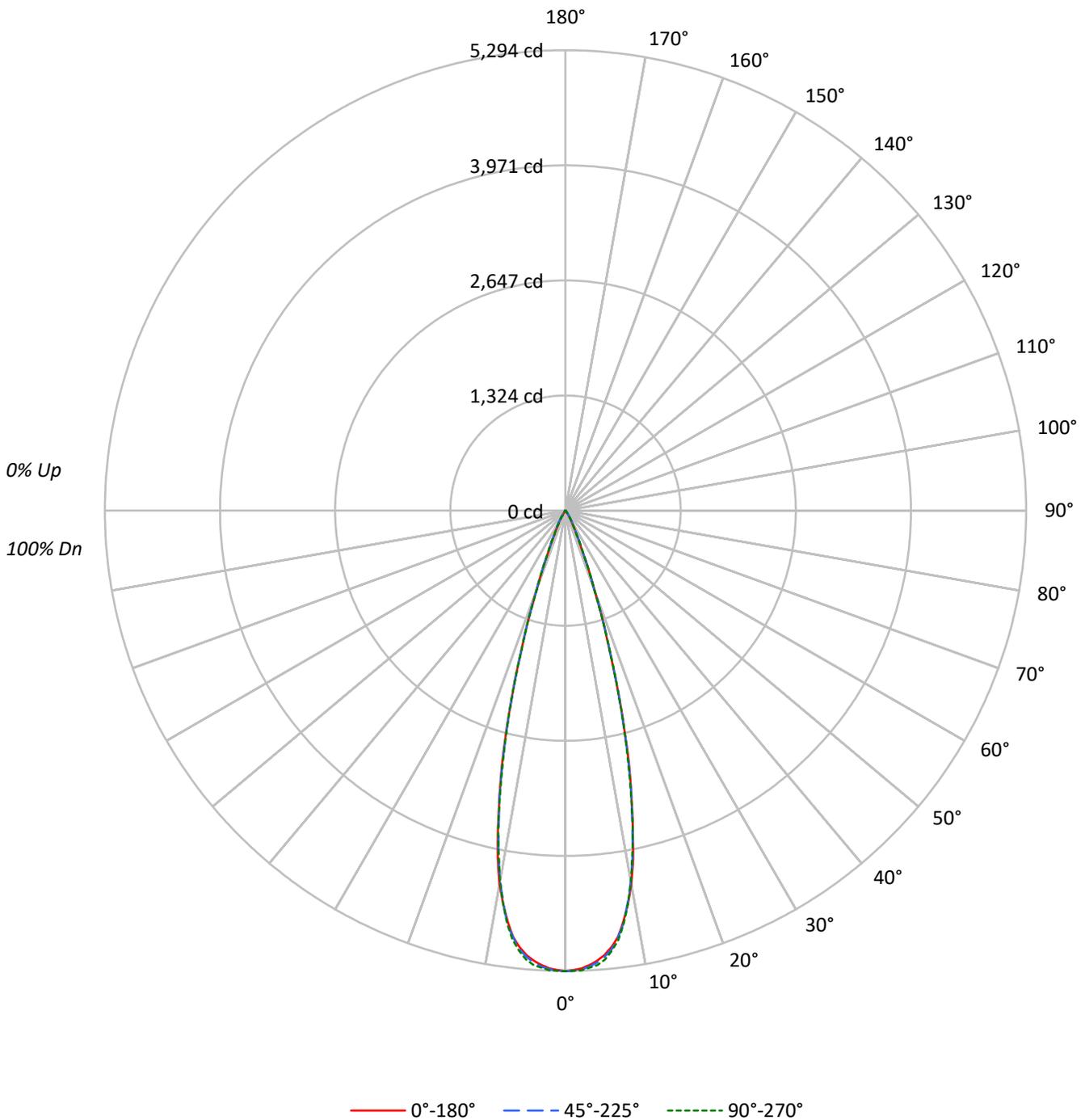
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1377.0 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
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: P1312559
CATALOG NUMBER: LDSQA3D13R309050DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1312559

CATALOG NUMBER: LDSQA3D13R309050DE010 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	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	911833	911833	911833
5°	886860	890715	896230
10°	762614	756109	756843
15°	468603	464805	465179
20°	178345	178730	175413
25°	56723	59744	56932
30°	22810	28299	23446
35°	7380	12510	7380
40°	3350	5486	3350
45°	1291	2338	1291
50°	563	1125	563
55°	631	631	631
60°	723	723	723
65°	448	448	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: 2338 cd/sqm



TEST NUMBER: P1312559

CATALOG NUMBER: LDSQA3D13R309050DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	467.0	33.9
10°-20°	692.8	50.3
20°-30°	172.1	12.5
30°-40°	34.4	2.5
40°-50°	6.3	0.5
50°-60°	1.9	0.1
60°-70°	1.5	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°	1332.0	96.7
0°-40°	1366.4	99.2
0°-60°	1374.6	99.8
0°-90°	1377.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1377.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5294	5294	5294	5294	5294	
5°	5130	5147	5152	5160	5184	466
15°	2628	2634	2607	2615	2609	696
25°	298	305	314	310	300	167
35°	35	46	60	45	35	28
45°	5	6	10	7	5	5
55°	2	2	2	2	2	2
65°	1	1	1	1	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: P1312559

CATALOG NUMBER: LDSQA3D13R309050DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5294.5	5294.5	5294.5	5294.5	5294.5
1°	5282.9	5289.2	5293.5	5293.5	5293.5
2°	5268.0	5272.2	5278.6	5279.7	5288.2
3°	5232.9	5242.5	5253.1	5259.5	5263.7
4°	5190.4	5203.2	5209.6	5225.5	5239.3
5°	5129.9	5146.9	5152.2	5159.6	5184.1
6°	5048.1	5060.8	5071.5	5074.6	5089.5
7°	4939.7	4946.1	4944.0	4949.3	4975.9
8°	4775.1	4777.2	4795.3	4783.6	4801.6
9°	4579.6	4571.1	4566.9	4575.4	4576.4
10°	4360.8	4332.1	4323.6	4316.2	4327.8
11°	4077.1	4040.0	4043.1	4041.0	4024.0
12°	3724.5	3720.2	3692.6	3697.9	3723.4
13°	3364.3	3371.8	3366.5	3372.8	3344.1
14°	3026.5	2990.4	3000.0	2963.8	2977.7
15°	2628.2	2633.5	2606.9	2615.4	2609.0
17.5°	1682.7	1694.4	1685.9	1678.4	1690.1
20°	973.1	972.0	975.2	965.6	957.1
22.5°	512.0	519.5	529.0	530.1	536.5
25°	298.5	304.9	314.4	310.2	299.6
27.5°	182.7	194.4	209.3	198.7	185.9
30°	114.7	124.3	142.3	125.4	117.9
32.5°	64.8	78.6	93.5	78.6	64.8
35°	35.1	45.7	59.5	44.6	35.1
37.5°	23.4	26.6	39.3	26.6	23.4
40°	14.9	18.1	24.4	18.1	14.9
42.5°	8.5	11.7	13.8	11.7	8.5
45°	5.3	6.4	9.6	7.4	5.3
47.5°	2.1	3.2	6.4	3.2	3.2
50°	2.1	2.1	4.2	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	1.1	1.1	1.1	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: P1312559
CATALOG NUMBER: LDSQA3D13R309050DE010 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)