

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: P1317416

Luminaire Tested: LDSQA3D09R709827DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709827DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

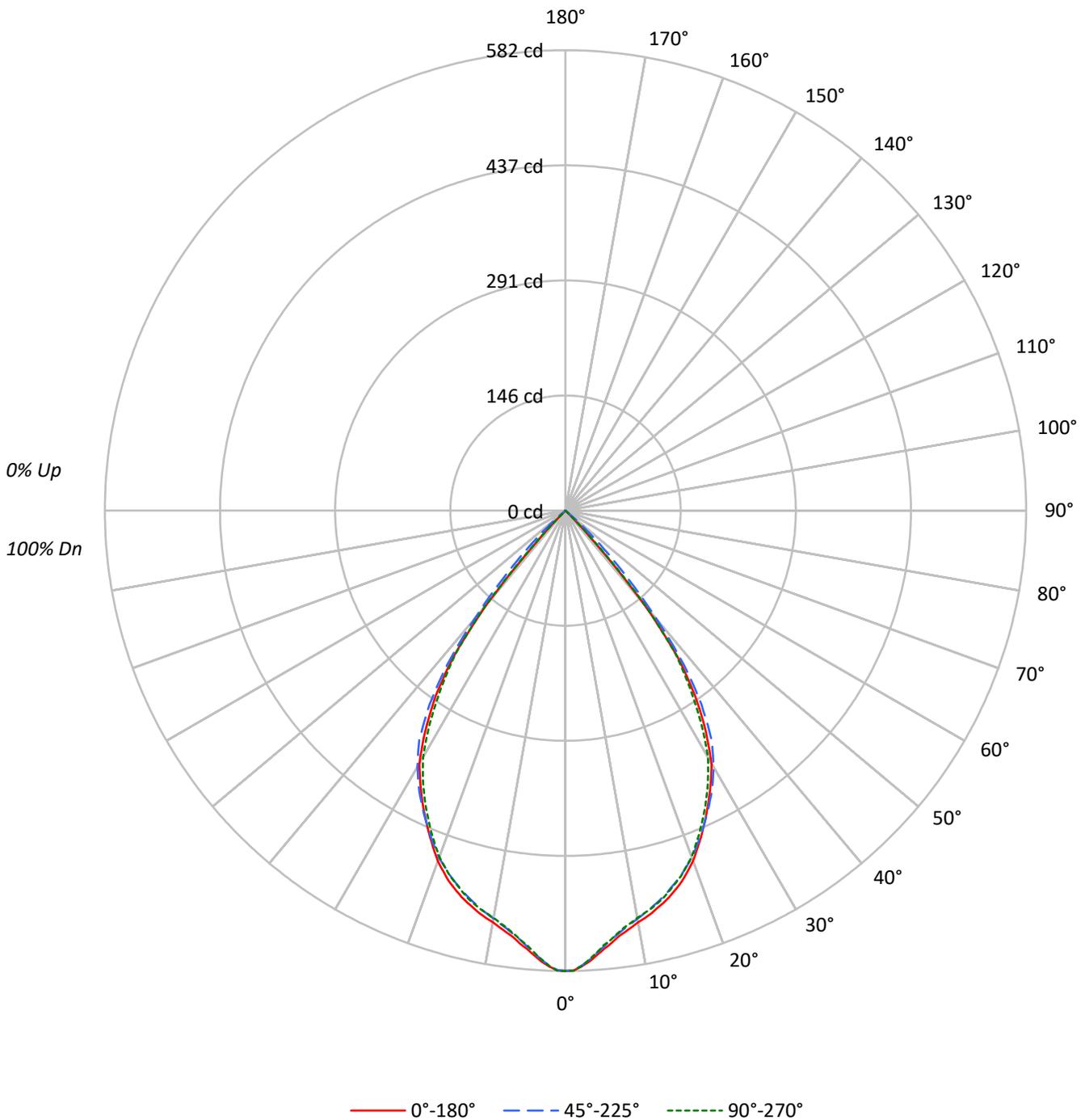
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 602.0 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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: P1317416
CATALOG NUMBER: LDSQA3D09R709827DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1317416

CATALOG NUMBER: LDSQA3D09R709827DE010 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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	95	95	95	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	88	88	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	81	81	81	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	75	75	75	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	70	70	70	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	65	65	65	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	60	60	60	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	56	56	56	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	53	53	53	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	49	49	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	100216	100216	100216
5°	96191	95672	95395
10°	92406	91602	91427
15°	90219	88953	89131
20°	86396	85553	85370
25°	80191	80400	79127
30°	73401	74415	71572
35°	60046	62926	57691
40°	34555	40288	35477
45°	487	16733	1729
50°	0	1768	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: 16733 cd/sqm



TEST NUMBER: P1317416

CATALOG NUMBER: LDSQA3D09R709827DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.9	8.6
10°-20°	140.7	23.4
20°-30°	193.3	32.1
30°-40°	175.2	29.1
40°-50°	40.7	6.8
50°-60°	0.2	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°	385.8	64.1
0°-40°	561.1	93.2
0°-60°	602.0	100.0
0°-90°	602.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	602.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	582	582	582	582	582	
5°	556	555	553	552	552	52
15°	506	502	499	499	500	142
25°	422	424	423	419	416	194
35°	286	290	299	287	274	172
45°	2	23	69	30	7	25
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: P1317416

CATALOG NUMBER: LDSQA3D09R709827DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	581.9	581.9	581.9	581.9	581.9
1°	581.4	580.4	580.9	581.4	581.9
2°	576.8	575.8	575.8	576.3	576.3
3°	571.2	569.2	569.2	568.6	568.6
4°	563.6	562.0	561.0	560.5	560.5
5°	556.4	554.9	553.4	552.4	551.8
6°	550.3	547.8	545.7	545.2	545.7
7°	543.2	541.7	539.6	538.1	538.6
8°	538.1	536.1	533.5	532.5	532.5
9°	533.5	531.5	528.9	526.9	527.9
10°	528.4	526.4	523.8	522.3	522.8
11°	524.9	522.3	519.3	518.2	518.8
12°	520.8	517.7	514.7	514.2	515.2
13°	515.7	512.6	509.6	509.6	510.6
14°	511.1	507.6	504.5	504.5	506.0
15°	506.0	502.5	498.9	498.9	499.9
17.5°	490.8	487.7	484.1	484.1	484.6
20°	471.4	469.9	466.8	465.3	465.8
22.5°	447.0	447.0	445.5	442.9	441.9
25°	422.0	424.1	423.1	419.0	416.4
27.5°	396.1	399.6	400.1	394.0	389.5
30°	369.1	372.1	374.2	367.1	359.9
32.5°	329.4	338.5	343.6	334.0	319.2
35°	285.6	289.7	299.3	286.6	274.4
37.5°	232.1	237.2	245.4	235.2	228.1
40°	153.7	174.1	179.2	174.1	157.8
42.5°	55.5	97.7	117.6	99.8	65.2
45°	2.0	22.9	68.7	29.5	7.1
47.5°	0.0	0.5	31.1	1.0	0.0
50°	0.0	0.0	6.6	0.0	0.0
52.5°	0.0	0.0	0.5	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: P1317416
CATALOG NUMBER: LDSQA3D09R709827DE010 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)