

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: P1307070

Luminaire Tested: LDSQA3D09R709024DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307070
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: LDSQA3D09R709024DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

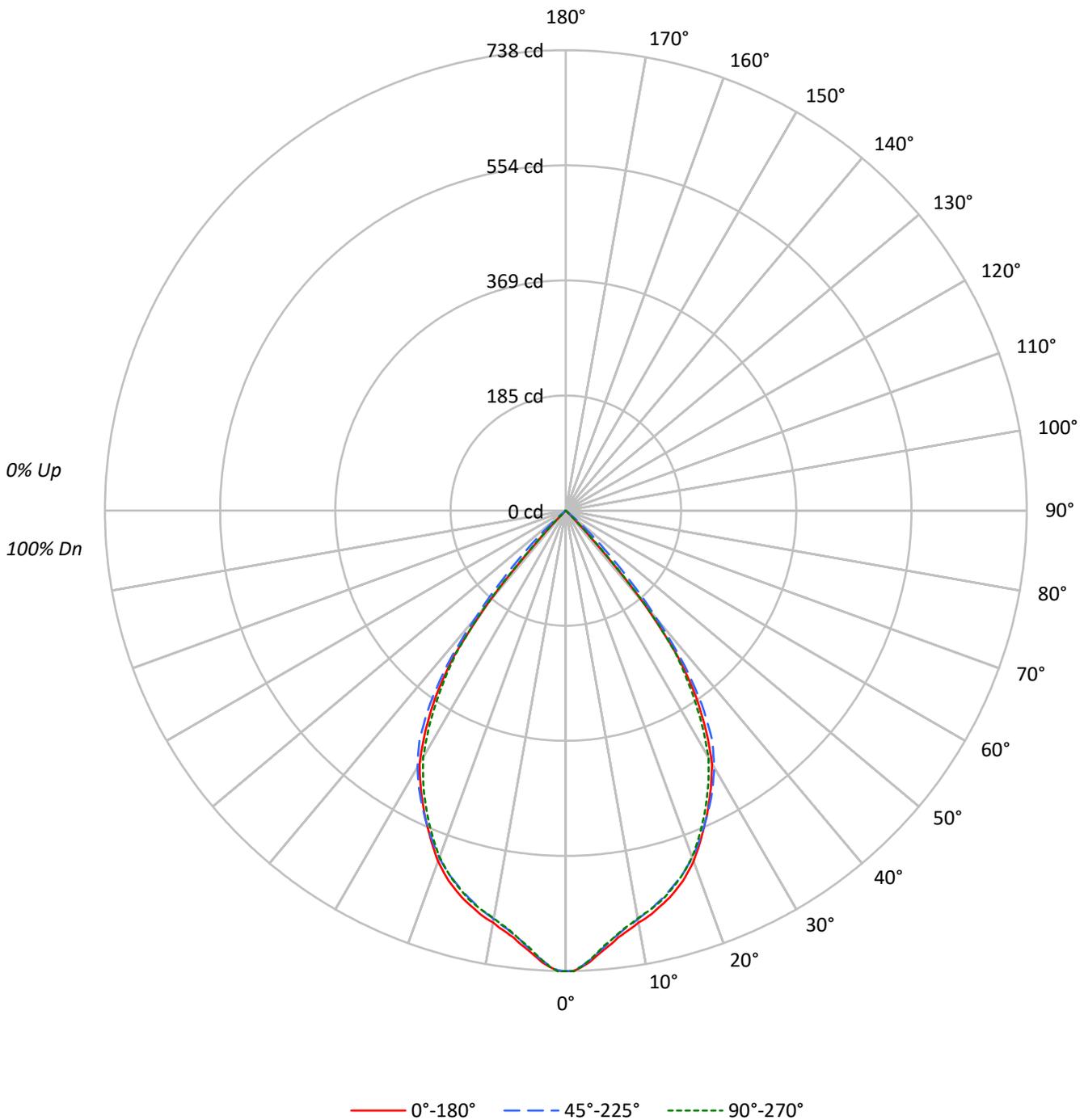
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 764.0 lumens
Efficiency: N/A
Efficacy: 68.8 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): 11.1
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: P1307070
CATALOG NUMBER: LDSQA3D09R709024DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1307070

CATALOG NUMBER: LDSQA3D09R709024DE010 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	88	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	81	81	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	75	75	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	70	70	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	65	65	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	60	60	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	56	56	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	53	53	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	49	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	127186	127186	127186
5°	122088	121414	121086
10°	117274	116260	116033
15°	114503	112898	113130
20°	109654	108591	108352
25°	101778	102025	100429
30°	93149	94441	90842
35°	76214	79872	73207
40°	43863	51124	45032
45°	633	21238	2192
50°	0	2251	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: 21238 cd/sqm



TEST NUMBER: P1307070

CATALOG NUMBER: LDSQA3D09R709024DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.9	8.6
10°-20°	178.5	23.4
20°-30°	245.3	32.1
30°-40°	222.4	29.1
40°-50°	51.7	6.8
50°-60°	0.3	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°	489.7	64.1
0°-40°	712.1	93.2
0°-60°	764.0	100.0
0°-90°	764.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	764.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	738	738	738	738	738	
5°	706	704	702	701	700	66
15°	642	638	633	633	634	180
25°	536	538	537	532	528	246
35°	362	368	380	364	348	218
45°	3	29	87	38	9	31
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: P1307070

CATALOG NUMBER: LDSQA3D09R709024DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	738.5	738.5	738.5	738.5	738.5
1°	737.8	736.5	737.2	737.8	738.5
2°	732.0	730.7	730.7	731.4	731.4
3°	724.9	722.3	722.3	721.7	721.7
4°	715.2	713.3	712.0	711.3	711.3
5°	706.2	704.2	702.3	701.0	700.4
6°	698.4	695.2	692.6	692.0	692.6
7°	689.4	687.4	684.8	682.9	683.6
8°	682.9	680.3	677.1	675.8	675.8
9°	677.1	674.5	671.3	668.7	670.0
10°	670.6	668.0	664.8	662.9	663.5
11°	666.1	662.9	659.0	657.7	658.4
12°	660.9	657.1	653.2	652.5	653.8
13°	654.5	650.6	646.7	646.7	648.0
14°	648.7	644.1	640.3	640.3	642.2
15°	642.2	637.7	633.2	633.2	634.5
17.5°	622.8	618.9	614.4	614.4	615.1
20°	598.3	596.3	592.5	590.5	591.2
22.5°	567.3	567.3	565.3	562.1	560.8
25°	535.6	538.2	536.9	531.7	528.5
27.5°	502.7	507.2	507.8	500.1	494.3
30°	468.4	472.3	474.9	465.8	456.8
32.5°	418.0	429.6	436.1	423.8	405.1
35°	362.5	367.6	379.9	363.7	348.2
37.5°	294.6	301.1	311.4	298.5	289.4
40°	195.1	221.0	227.4	221.0	200.3
42.5°	70.4	124.0	149.2	126.6	82.7
45°	2.6	29.1	87.2	37.5	9.0
47.5°	0.0	0.6	39.4	1.3	0.0
50°	0.0	0.0	8.4	0.0	0.0
52.5°	0.0	0.0	0.6	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: P1307070
CATALOG NUMBER: LDSQA3D09R709024DE010 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)