

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: P1312170

Luminaire Tested: LDSQA3D02R709050DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312170
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: LDSQA3D02R709050DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

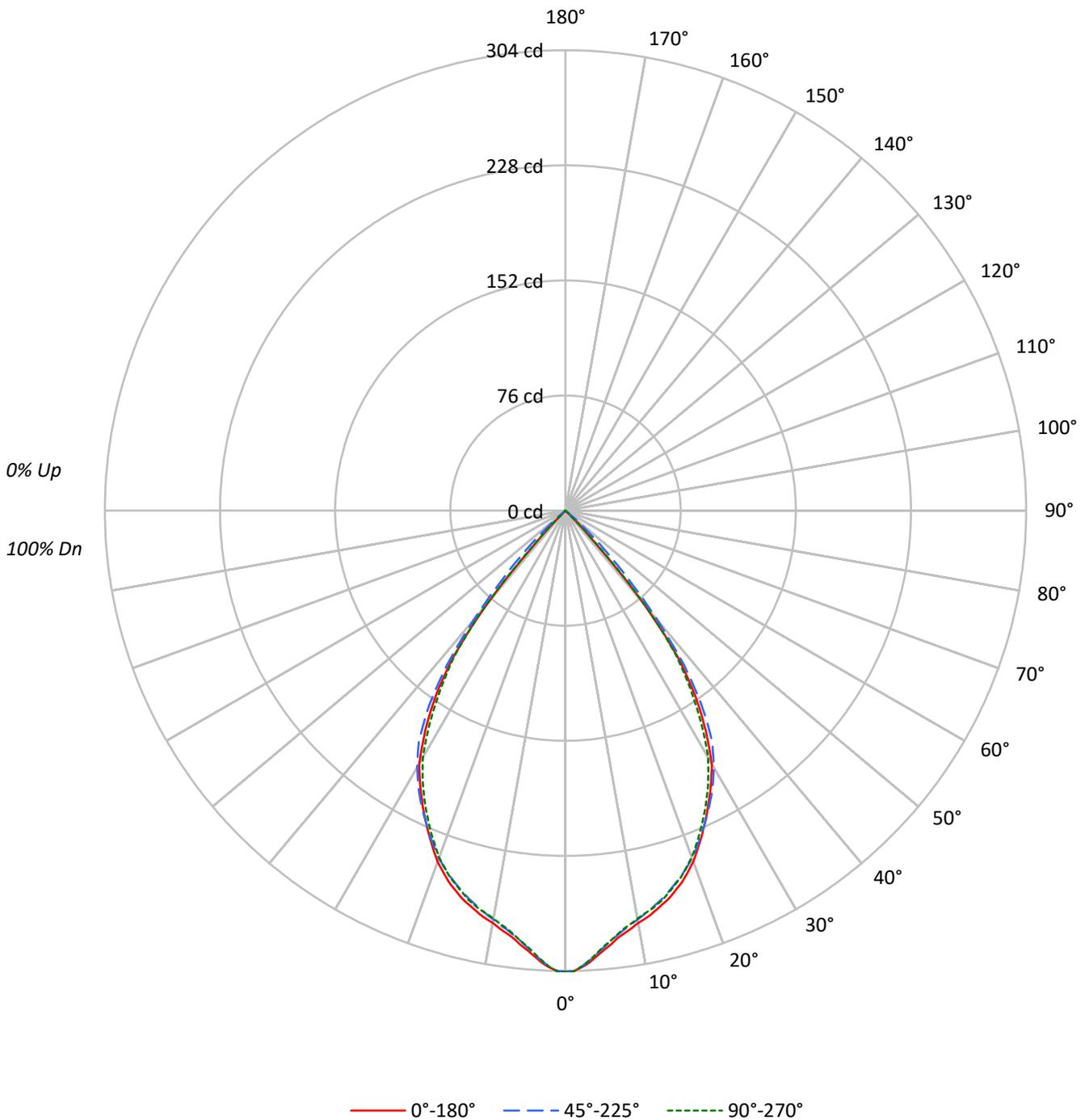
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 315.0 lumens
Efficiency: N/A
Efficacy: 87.5 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): 3.6
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: P1312170
CATALOG NUMBER: LDSQA3D02R709050DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1312170

CATALOG NUMBER: LDSQA3D02R709050DE010 3LSQCDR1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	100				100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93				93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86				86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80				80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74				74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68				68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63				63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59				59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51				51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48				48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	52442	52442	52442
5°	50343	50066	49928
10°	48354	47934	47847
15°	47213	46554	46643
20°	45214	44774	44664
25°	41958	42072	41407
30°	38401	38938	37446
35°	31411	32924	30191
40°	18076	21088	18570
45°	268	8768	901
50°	0	938	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: 8768 cd/sqm



TEST NUMBER: P1312170

CATALOG NUMBER: LDSQA3D02R709050DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.2	8.6
10°-20°	73.6	23.4
20°-30°	101.1	32.1
30°-40°	91.7	29.1
40°-50°	21.3	6.8
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°	201.9	64.1
0°-40°	293.6	93.2
0°-60°	315.0	100.0
0°-90°	315.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	315.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	304	304	304	304	304	
5°	291	290	290	289	289	27
15°	265	263	261	261	262	74
25°	221	222	221	219	218	101
35°	149	152	157	150	144	90
45°	1	12	36	16	4	13
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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	304.5	304.5	304.5	304.5	304.5
1°	304.2	303.7	303.9	304.2	304.5
2°	301.8	301.3	301.3	301.5	301.5
3°	298.9	297.8	297.8	297.5	297.5
4°	294.9	294.1	293.6	293.3	293.3
5°	291.2	290.4	289.6	289.0	288.8
6°	288.0	286.6	285.6	285.3	285.6
7°	284.2	283.4	282.4	281.6	281.8
8°	281.6	280.5	279.2	278.6	278.6
9°	279.2	278.1	276.8	275.7	276.2
10°	276.5	275.4	274.1	273.3	273.6
11°	274.6	273.3	271.7	271.2	271.4
12°	272.5	270.9	269.3	269.0	269.6
13°	269.8	268.2	266.6	266.6	267.2
14°	267.4	265.6	264.0	264.0	264.8
15°	264.8	262.9	261.1	261.1	261.6
17.5°	256.8	255.2	253.3	253.3	253.6
20°	246.7	245.9	244.3	243.5	243.7
22.5°	233.9	233.9	233.1	231.8	231.2
25°	220.8	221.9	221.4	219.2	217.9
27.5°	207.2	209.1	209.4	206.2	203.8
30°	193.1	194.7	195.8	192.1	188.3
32.5°	172.3	177.1	179.8	174.7	167.0
35°	149.4	151.6	156.6	150.0	143.6
37.5°	121.5	124.1	128.4	123.1	119.3
40°	80.4	91.1	93.8	91.1	82.6
42.5°	29.0	51.1	61.5	52.2	34.1
45°	1.1	12.0	36.0	15.5	3.7
47.5°	0.0	0.3	16.2	0.5	0.0
50°	0.0	0.0	3.5	0.0	0.0
52.5°	0.0	0.0	0.3	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: P1312170
CATALOG NUMBER: LDSQA3D02R709050DE010 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)