

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: P1318293

Luminaire Tested: LDSQA3D09R709830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709830DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

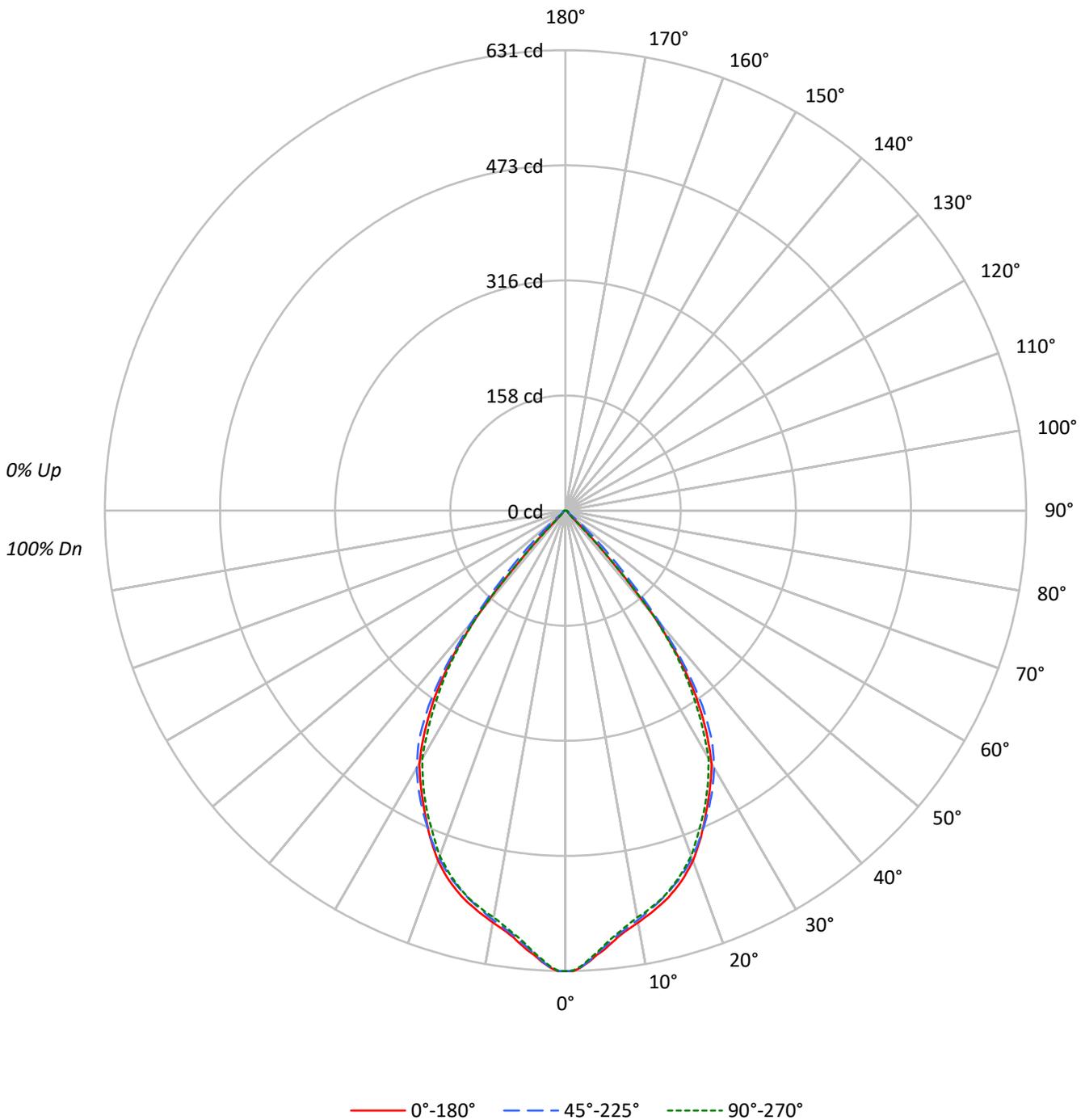
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 673.0 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 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: P1318293
CATALOG NUMBER: LDSQA3D09R709830DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1318293

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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	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	108707	108707	108707
5°	104489	103918	103538
10°	100241	99664	98999
15°	97707	96638	96548
20°	93635	92921	92316
25°	86690	87298	85645
30°	79626	81038	77995
35°	65660	68771	63137
40°	41817	45009	41817
45°	2923	19460	3191
50°	1313	3965	1313
55°	1471	1471	1471
60°	1516	1516	1516
65°	1345	1549	1345
70°	1360	1662	1360
75°	1464	1464	1464
80°	1587	1587	1587
85°	988	2174	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 19460 cd/sqm



TEST NUMBER: P1318293

CATALOG NUMBER: LDSQA3D09R709830DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	8.4
10°-20°	152.5	22.7
20°-30°	209.6	31.1
30°-40°	192.0	28.5
40°-50°	51.0	7.6
50°-60°	4.5	0.7
60°-70°	3.7	0.6
70°-80°	2.5	0.4
80°-90°	0.9	0.1
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°	418.4	62.2
0°-40°	610.4	90.7
0°-60°	665.9	98.9
0°-90°	673.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	673.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	631	631	631	631	631	
5°	604	602	601	600	599	57
15°	548	543	542	542	542	154
25°	456	458	459	454	451	210
35°	312	317	327	312	300	189
45°	12	41	80	42	13	36
55°	5	5	5	5	5	4
65°	3	4	4	4	3	3
75°	2	2	2	2	2	2
85°	0	1	1	1	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	631.2	631.2	631.2	631.2	631.2
1°	631.2	630.1	631.2	631.2	630.1
2°	626.3	625.2	625.7	625.2	624.6
3°	619.1	617.5	618.1	617.0	615.9
4°	610.9	609.3	609.3	608.8	607.7
5°	604.4	601.6	601.1	600.0	598.9
6°	596.7	594.0	593.4	591.8	590.7
7°	589.1	586.9	586.3	584.1	584.1
8°	583.0	580.3	580.3	577.6	577.6
9°	578.1	574.8	574.8	572.7	571.6
10°	573.2	569.9	569.9	567.2	566.1
11°	568.3	565.5	564.5	562.8	562.3
12°	563.9	560.1	559.0	558.4	557.3
13°	558.4	554.6	553.5	553.0	552.4
14°	553.5	548.6	548.0	546.9	547.5
15°	548.0	543.1	542.0	542.0	541.5
17.5°	531.1	527.8	526.2	525.1	524.0
20°	510.9	508.1	507.0	504.8	503.7
22.5°	484.6	484.0	483.5	480.8	476.4
25°	456.2	457.8	459.4	454.0	450.7
27.5°	428.8	433.2	434.8	429.4	422.2
30°	400.4	404.2	407.5	399.8	392.2
32.5°	359.3	368.6	373.6	364.8	347.3
35°	312.3	317.2	327.1	312.3	300.3
37.5°	257.6	260.3	268.0	258.2	250.0
40°	186.0	194.2	200.2	194.2	186.0
42.5°	83.7	117.0	132.4	123.6	87.5
45°	12.0	41.0	79.9	41.6	13.1
47.5°	4.9	6.6	41.6	6.0	4.9
50°	4.9	4.9	14.8	4.9	4.9
52.5°	4.9	4.9	5.5	4.9	4.9
55°	4.9	4.9	4.9	4.9	4.9
57.5°	4.4	4.4	4.9	4.4	4.4
60°	4.4	4.4	4.4	4.4	4.4
62.5°	3.8	4.4	4.4	4.4	3.8
65°	3.3	3.8	3.8	3.8	3.3
67.5°	3.3	3.3	3.3	3.3	3.3
70°	2.7	3.3	3.3	3.3	2.7
72.5°	2.7	2.7	2.7	2.7	2.7
75°	2.2	2.2	2.2	2.2	2.2
77.5°	1.6	2.2	2.2	2.2	1.6
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.5	1.1	1.1	1.1	0.5
87.5°	0.5	0.5	0.5	0.5	0.5



TEST NUMBER: P1318293
CATALOG NUMBER: LDSQA3D09R709830DE010 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)