

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: P1323847

Luminaire Tested: LDSQA3D09R709030D2WDE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709030D2WDE010 3LSQCLSWWR 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
3LSQCLSWWR 1MW TRIM
Light Source: -
Ballast/Driver: -

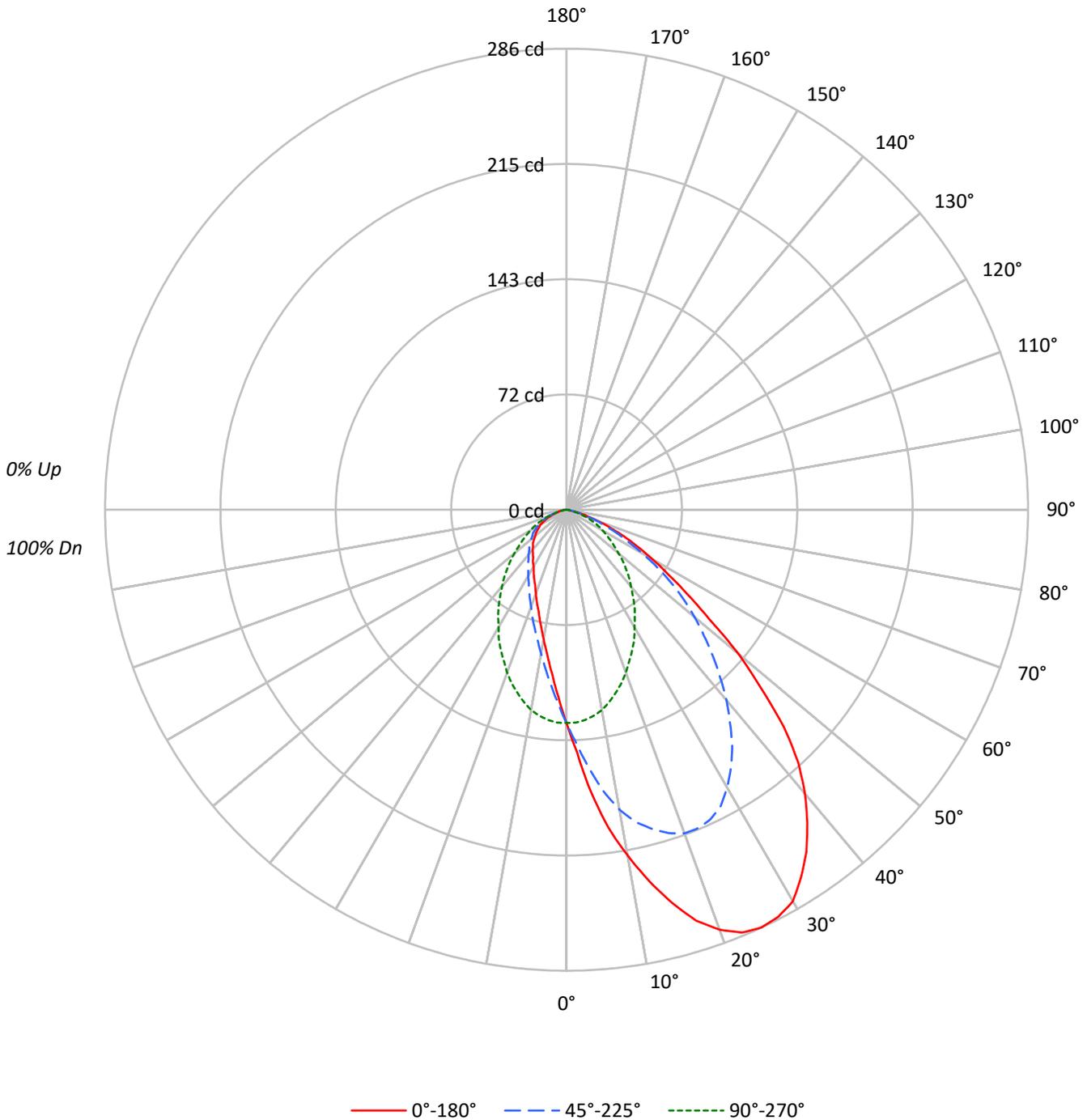
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 323.0 lumens
Efficiency: N/A
Efficacy: 22.0 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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: P1323847
CATALOG NUMBER: LDSQA3D09R709030D2WDE010 3LSQCLSWWR 1MW

Luminous Intensity Polar Plot





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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	88	
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	78	76	
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	68	66	
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	60	58	
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	53	51	
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	47	45	
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	42	40	
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	38	36	
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	35	33	
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	32	30	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	22768	22768	22768	22768	22768
5°	30479	27834	22630	18930	17668
10°	38071	33052	22070	15879	14253
15°	45020	36551	20968	13568	11785
20°	50804	39166	19702	11748	10153
25°	54329	40229	18281	10413	9007
30°	55782	39574	16744	9426	8094
35°	54474	37634	15453	8704	7590
40°	51664	34690	13961	8251	7352
45°	46374	31224	12689	7964	7161
50°	37216	27731	11280	7690	6805
55°	27474	23871	10029	7627	6606
60°	21149	18634	8956	7371	6441
65°	16056	13896	7906	6805	5705
70°	10776	9769	6043	6043	4733
75°	5789	5789	3993	3993	3527
80°	1289	2678	1984	2678	3273
85°	0	1383	1383	2569	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 46374 cd/sqm



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CATALOG NUMBER: LDSQA3D09R709030D2WDE010 3LSQCLSWWR 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.0	4.0
10°-20°	39.6	12.3
20°-30°	61.1	18.9
30°-40°	69.3	21.5
40°-50°	62.7	19.4
50°-60°	43.9	13.6
60°-70°	24.1	7.5
70°-80°	8.1	2.5
80°-90°	1.1	0.3
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°	113.8	35.2
0°-40°	183.1	56.7
0°-60°	289.8	89.7
0°-90°	323.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	323.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	132	132	132	132	132	
5°	176	161	131	110	102	18
15°	252	205	118	76	66	72
25°	286	212	96	55	47	131
35°	259	179	74	41	36	161
45°	190	128	52	33	29	144
55°	92	80	33	25	22	84
65°	39	34	19	17	14	39
75°	9	9	6	6	5	10
85°	0	1	1	1	1	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2
2.5°	150.9	152.3	153.0	151.6	150.9	150.3	148.9	148.3	146.9	145.6	144.9
5°	176.3	176.3	176.3	175.0	173.0	171.7	169.0	167.0	163.6	161.0	158.3
7.5°	199.0	199.0	198.4	196.4	195.0	191.7	188.3	185.7	180.3	176.3	171.0
10°	217.7	217.7	217.1	213.7	211.7	207.7	204.4	199.7	194.4	189.0	183.0
12.5°	235.8	235.8	233.1	230.4	226.4	221.1	216.4	211.7	204.4	198.4	191.0
15°	252.5	252.5	251.1	246.5	241.1	235.1	228.4	221.7	213.1	205.0	197.0
17.5°	267.2	266.5	264.5	259.1	253.8	246.5	238.4	230.4	219.7	210.4	200.4
20°	277.2	277.2	274.5	268.5	262.5	254.5	245.8	236.4	225.1	213.7	201.7
22.5°	283.9	283.2	280.5	274.5	267.2	259.1	249.1	239.1	226.4	213.7	201.0
25°	285.9	285.2	282.5	275.8	268.5	259.8	249.1	238.4	225.1	211.7	197.7
27.5°	284.5	283.9	281.2	273.8	266.5	256.5	245.8	234.4	221.1	207.1	193.0
30°	280.5	278.5	275.8	269.2	261.2	251.1	239.8	227.1	213.7	199.0	185.0
32.5°	270.5	270.5	267.2	260.5	252.5	241.8	230.4	218.4	203.7	189.7	175.0
35°	259.1	258.5	255.8	248.5	241.1	231.1	219.7	207.1	193.0	179.0	165.0
37.5°	245.1	244.5	241.8	235.1	227.1	217.7	205.7	193.7	180.3	166.3	153.6
40°	229.8	228.4	225.1	219.7	213.1	202.4	191.7	179.7	167.0	154.3	141.6
42.5°	212.4	211.1	208.4	204.4	196.4	187.0	177.0	165.6	153.6	140.9	131.6
45°	190.4	190.4	189.0	185.0	179.0	171.7	161.0	150.9	139.6	128.2	118.2
47.5°	163.0	164.3	163.6	161.6	159.0	152.3	144.9	136.3	125.6	115.5	106.2
50°	138.9	139.6	140.3	138.9	136.9	132.2	127.6	122.2	112.9	103.5	94.8
52.5°	111.5	113.5	113.5	114.2	114.2	112.9	111.5	105.5	100.9	91.5	83.5
55°	91.5	91.5	91.5	92.8	93.5	94.2	92.8	91.5	86.2	79.5	72.1
57.5°	74.8	74.8	76.1	75.5	75.5	76.8	76.8	76.1	72.8	66.8	60.1
60°	61.4	61.4	61.4	61.4	62.1	62.1	62.1	62.1	59.4	54.1	48.8
62.5°	49.4	49.4	49.4	50.1	50.1	50.1	50.8	50.1	47.4	43.4	38.7
65°	39.4	38.7	39.4	39.4	40.1	40.1	40.1	39.4	36.7	34.1	30.7
67.5°	29.4	30.1	30.1	30.1	30.7	31.4	30.7	30.1	28.1	25.4	24.0
70°	21.4	22.0	22.0	22.0	22.7	23.4	22.7	22.0	20.7	19.4	18.0
72.5°	14.0	14.7	14.7	15.4	16.0	16.0	15.4	15.4	14.7	13.4	12.7
75°	8.7	8.7	9.4	9.4	10.0	10.0	10.0	9.4	9.4	8.7	8.7
77.5°	4.0	4.0	4.7	4.7	4.7	5.3	5.3	5.3	5.3	5.3	4.7
80°	1.3	1.3	1.3	1.3	1.3	2.0	2.0	2.0	2.7	2.7	2.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1323847

CATALOG NUMBER: LDSQA3D09R709030D2WDE010 3LSQCLSWWR 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	132.2	132.2	132.2	132.2	132.2	132.2	132.2	132.2
2.5°	143.6	141.6	138.9	132.2	125.6	120.2	116.9	116.2
5°	155.0	151.6	145.6	130.9	118.9	109.5	104.2	102.2
7.5°	166.3	160.3	151.6	128.9	110.9	99.5	93.5	90.8
10°	175.7	168.3	157.0	126.2	104.2	90.8	83.5	81.5
12.5°	183.0	174.3	160.3	122.2	97.5	82.8	75.5	73.5
15°	187.7	178.3	162.3	117.6	90.8	76.1	68.8	66.1
17.5°	189.7	178.3	161.6	112.9	84.8	70.1	62.8	60.8
20°	189.7	177.0	159.6	107.5	78.8	64.1	57.4	55.4
22.5°	187.7	174.3	155.0	101.5	73.5	59.4	52.8	50.8
25°	183.7	169.0	149.6	96.2	68.1	54.8	48.8	47.4
27.5°	177.7	163.0	142.9	90.8	63.5	50.8	45.4	44.1
30°	170.3	155.6	135.6	84.2	58.8	47.4	42.7	40.7
32.5°	161.0	146.9	127.6	78.8	54.8	44.1	40.1	38.7
35°	150.9	138.3	118.9	73.5	50.8	41.4	37.4	36.1
37.5°	140.9	127.6	111.5	67.5	47.4	38.7	35.4	34.1
40°	130.2	120.2	103.5	62.1	44.7	36.7	33.4	32.7
42.5°	119.6	108.9	92.2	57.4	41.4	34.1	31.4	30.7
45°	106.9	96.8	83.5	52.1	38.7	32.7	30.1	29.4
47.5°	96.2	86.8	74.8	47.4	36.1	30.7	28.1	27.4
50°	86.2	76.8	65.5	42.1	33.4	28.7	26.7	25.4
52.5°	74.8	66.8	56.8	37.4	30.7	26.7	24.7	24.0
55°	64.8	56.8	47.4	33.4	28.1	25.4	22.7	22.0
57.5°	53.4	46.8	40.1	29.4	25.4	22.7	21.4	20.0
60°	43.4	38.7	34.1	26.0	22.7	21.4	19.4	18.7
62.5°	35.4	32.1	28.7	22.7	20.0	18.7	17.4	16.0
65°	28.1	26.0	23.4	19.4	17.4	16.7	15.4	14.0
67.5°	22.0	20.7	18.7	15.4	14.7	14.0	12.7	11.4
70°	16.7	16.0	14.7	12.0	11.4	12.0	10.7	9.4
72.5°	12.0	11.4	10.7	8.7	8.7	8.7	8.0	6.7
75°	8.0	7.3	6.7	6.0	6.0	6.0	6.0	5.3
77.5°	4.7	4.7	4.0	3.3	4.0	4.0	4.7	4.7
80°	2.0	2.0	2.0	2.0	2.7	2.7	3.3	3.3
82.5°	1.3	1.3	1.3	1.3	2.0	2.0	2.0	2.0
85°	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)