

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: P1307077

Luminaire Tested: LDSQA3D09R709024DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307077  
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: LDSQA3D09R709024DE010 3LSQCLSWWR 1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , 3LSQCLSWWR 1MW TF  
Light Source: -  
Ballast/Driver: -

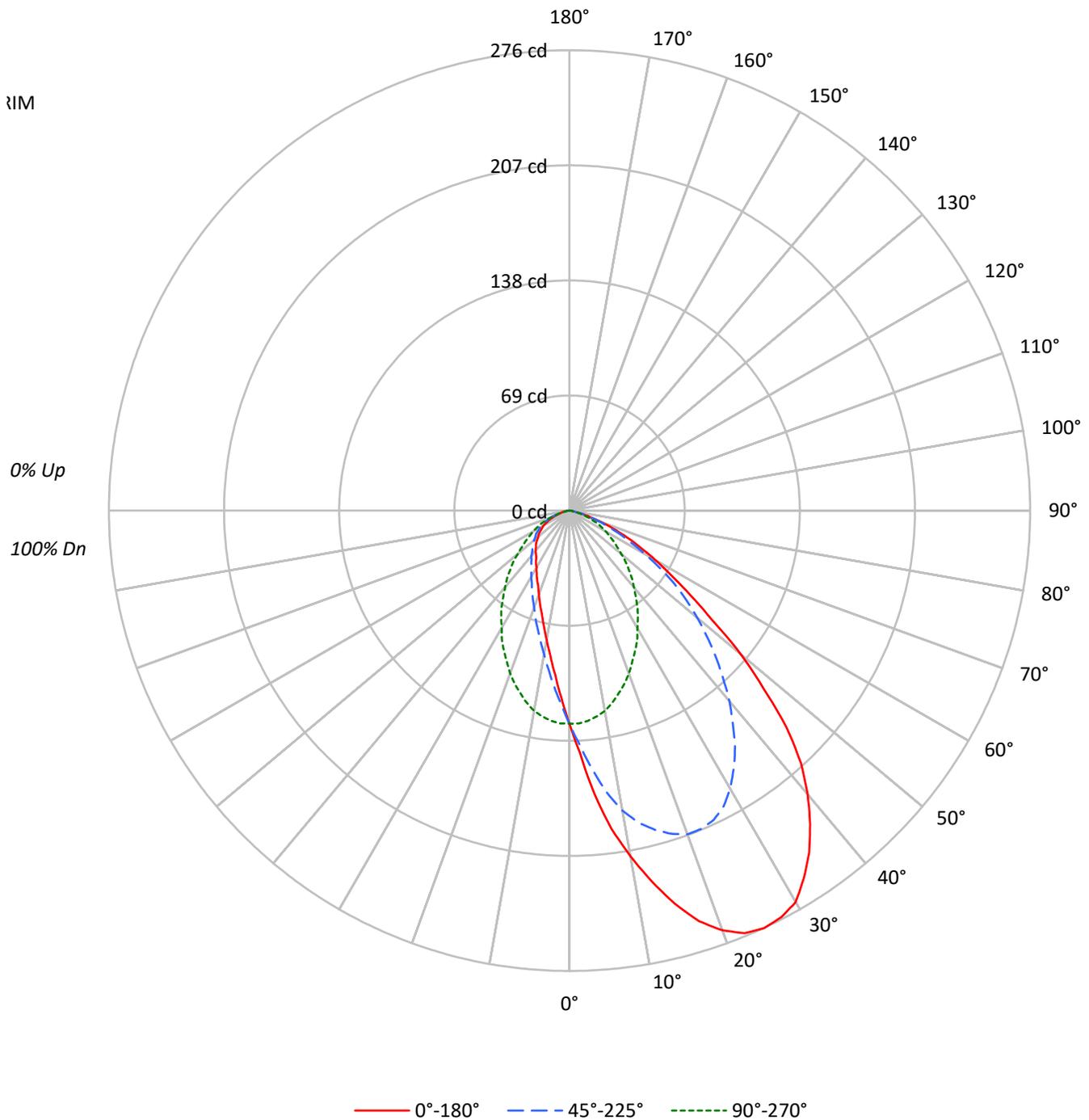
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 312.0 lumens  
Efficiency: N/A  
Efficacy: 28.1 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): 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: P1307077  
CATALOG NUMBER: LDSQA3D09R709024DE010 3LSQCLSWWR 1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1307077

CATALOG NUMBER: LDSQA3D09R709024DE010 3LSQCLSWWR 1MW

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	21993	21993	21993	21993	21993
5°	29442	26883	21869	18291	17063
10°	36777	31933	21318	15337	13763
15°	43487	35321	20237	13105	11393
20°	49063	37846	19042	11345	9805
25°	52466	38860	17653	10052	8703
30°	53893	38242	16168	9108	7835
35°	52624	36351	14927	8410	7317
40°	49888	33498	13489	7981	7104
45°	44791	30177	12251	7696	6917
50°	35956	26793	10878	7422	6564
55°	26543	23060	9698	7356	6396
60°	20460	18014	8680	7096	6234
65°	15526	13407	7621	6561	5501
70°	10373	9416	5841	5841	4532
75°	5590	5590	3859	3859	3460
80°	1289	2579	1884	2579	3174
85°	0	1186	1186	2569	2569

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 44791 cd/sqm



TEST NUMBER: P1307077

CATALOG NUMBER: LDSQA3D09R709024DE010 3LSQCLSWWR 1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.6	4.0
10°-20°	38.3	12.3
20°-30°	59.0	18.9
30°-40°	67.0	21.5
40°-50°	60.6	19.4
50°-60°	42.4	13.6
60°-70°	23.3	7.5
70°-80°	7.8	2.5
80°-90°	1.0	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°	109.9	35.2
0°-40°	176.9	56.7
0°-60°	279.9	89.7
0°-90°	312.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	312.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	128	128	128	128	128	
5°	170	156	126	106	99	17
15°	244	198	114	74	64	69
25°	276	204	93	53	46	127
35°	250	173	71	40	35	156
45°	184	124	50	32	28	139
55°	88	77	32	24	21	81
65°	38	33	19	16	14	38
75°	8	8	6	6	5	10
85°	0	1	1	1	1	0
90°	0	0	0	0	0	



TEST NUMBER: P1307077

CATALOG NUMBER: LDSQA3D09R709024DE010 3LSQCLSWWR 1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7
2.5°	145.8	147.1	147.7	146.5	145.8	145.2	143.9	143.2	141.9	140.6	140.0
5°	170.3	170.3	170.3	169.0	167.1	165.8	163.2	161.3	158.1	155.5	152.9
7.5°	192.3	192.3	191.6	189.7	188.4	185.2	181.9	179.4	174.2	170.3	165.2
10°	210.3	210.3	209.7	206.5	204.5	200.6	197.4	192.9	187.7	182.6	176.8
12.5°	227.7	227.7	225.2	222.6	218.7	213.5	209.0	204.5	197.4	191.6	184.5
15°	243.9	243.9	242.6	238.1	232.9	227.1	220.6	214.2	205.8	198.1	190.3
17.5°	258.1	257.4	255.5	250.3	245.2	238.1	230.3	222.6	212.3	203.2	193.5
20°	267.7	267.7	265.2	259.4	253.5	245.8	237.4	228.4	217.4	206.5	194.8
22.5°	274.2	273.5	271.0	265.2	258.1	250.3	240.6	231.0	218.7	206.5	194.2
25°	276.1	275.5	272.9	266.5	259.4	251.0	240.6	230.3	217.4	204.5	191.0
27.5°	274.8	274.2	271.6	264.5	257.4	247.7	237.4	226.5	213.5	200.0	186.5
30°	271.0	269.0	266.5	260.0	252.3	242.6	231.6	219.4	206.5	192.3	178.7
32.5°	261.3	261.3	258.1	251.6	243.9	233.5	222.6	211.0	196.8	183.2	169.0
35°	250.3	249.7	247.1	240.0	232.9	223.2	212.3	200.0	186.5	172.9	159.4
37.5°	236.8	236.1	233.5	227.1	219.4	210.3	198.7	187.1	174.2	160.6	148.4
40°	221.9	220.6	217.4	212.3	205.8	195.5	185.2	173.5	161.3	149.0	136.8
42.5°	205.2	203.9	201.3	197.4	189.7	180.6	171.0	160.0	148.4	136.1	127.1
45°	183.9	183.9	182.6	178.7	172.9	165.8	155.5	145.8	134.8	123.9	114.2
47.5°	157.4	158.7	158.1	156.1	153.5	147.1	140.0	131.6	121.3	111.6	102.6
50°	134.2	134.8	135.5	134.2	132.3	127.7	123.2	118.1	109.0	100.0	91.6
52.5°	107.7	109.7	109.7	110.3	110.3	109.0	107.7	101.9	97.4	88.4	80.6
55°	88.4	88.4	88.4	89.7	90.3	91.0	89.7	88.4	83.2	76.8	69.7
57.5°	72.3	72.3	73.5	72.9	72.9	74.2	74.2	73.5	70.3	64.5	58.1
60°	59.4	59.4	59.4	59.4	60.0	60.0	60.0	60.0	57.4	52.3	47.1
62.5°	47.7	47.7	47.7	48.4	48.4	48.4	49.0	48.4	45.8	41.9	37.4
65°	38.1	37.4	38.1	38.1	38.7	38.7	38.7	38.1	35.5	32.9	29.7
67.5°	28.4	29.0	29.0	29.0	29.7	30.3	29.7	29.0	27.1	24.5	23.2
70°	20.6	21.3	21.3	21.3	21.9	22.6	21.9	21.3	20.0	18.7	17.4
72.5°	13.5	14.2	14.2	14.8	15.5	15.5	14.8	14.8	14.2	12.9	12.3
75°	8.4	8.4	9.0	9.0	9.7	9.7	9.7	9.0	9.0	8.4	8.4
77.5°	3.9	3.9	4.5	4.5	4.5	5.2	5.2	5.2	5.2	5.2	4.5
80°	1.3	1.3	1.3	1.3	1.3	1.9	1.9	1.9	2.6	2.6	2.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
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: P1307077

CATALOG NUMBER: LDSQA3D09R709024DE010 3LSQCLSWWR 1MW

**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7
2.5°	138.7	136.8	134.2	127.7	121.3	116.1	112.9	112.3
5°	149.7	146.5	140.6	126.5	114.8	105.8	100.6	98.7
7.5°	160.6	154.8	146.5	124.5	107.1	96.1	90.3	87.7
10°	169.7	162.6	151.6	121.9	100.6	87.7	80.6	78.7
12.5°	176.8	168.4	154.8	118.1	94.2	80.0	72.9	71.0
15°	181.3	172.3	156.8	113.5	87.7	73.5	66.5	63.9
17.5°	183.2	172.3	156.1	109.0	81.9	67.7	60.6	58.7
20°	183.2	171.0	154.2	103.9	76.1	61.9	55.5	53.5
22.5°	181.3	168.4	149.7	98.1	71.0	57.4	51.0	49.0
25°	177.4	163.2	144.5	92.9	65.8	52.9	47.1	45.8
27.5°	171.6	157.4	138.1	87.7	61.3	49.0	43.9	42.6
30°	164.5	150.3	131.0	81.3	56.8	45.8	41.3	39.4
32.5°	155.5	141.9	123.2	76.1	52.9	42.6	38.7	37.4
35°	145.8	133.5	114.8	71.0	49.0	40.0	36.1	34.8
37.5°	136.1	123.2	107.7	65.2	45.8	37.4	34.2	32.9
40°	125.8	116.1	100.0	60.0	43.2	35.5	32.3	31.6
42.5°	115.5	105.2	89.0	55.5	40.0	32.9	30.3	29.7
45°	103.2	93.5	80.6	50.3	37.4	31.6	29.0	28.4
47.5°	92.9	83.9	72.3	45.8	34.8	29.7	27.1	26.5
50°	83.2	74.2	63.2	40.6	32.3	27.7	25.8	24.5
52.5°	72.3	64.5	54.8	36.1	29.7	25.8	23.9	23.2
55°	62.6	54.8	45.8	32.3	27.1	24.5	21.9	21.3
57.5°	51.6	45.2	38.7	28.4	24.5	21.9	20.6	19.4
60°	41.9	37.4	32.9	25.2	21.9	20.6	18.7	18.1
62.5°	34.2	31.0	27.7	21.9	19.4	18.1	16.8	15.5
65°	27.1	25.2	22.6	18.7	16.8	16.1	14.8	13.5
67.5°	21.3	20.0	18.1	14.8	14.2	13.5	12.3	11.0
70°	16.1	15.5	14.2	11.6	11.0	11.6	10.3	9.0
72.5°	11.6	11.0	10.3	8.4	8.4	8.4	7.7	6.5
75°	7.7	7.1	6.5	5.8	5.8	5.8	5.8	5.2
77.5°	4.5	4.5	3.9	3.2	3.9	3.9	4.5	4.5
80°	1.9	1.9	1.9	1.9	2.6	2.6	3.2	3.2
82.5°	1.3	1.3	1.3	1.3	1.9	1.9	1.9	1.9
85°	0.6	0.6	0.6	0.6	0.6	1.3	1.3	1.3
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)