

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: P1314569

Luminaire Tested: LDSQA3D09R709730DE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314569
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709730DE010 3LSQCLSWWR 1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCLSWWR 1MMS T
Light Source: -
Ballast/Driver: -

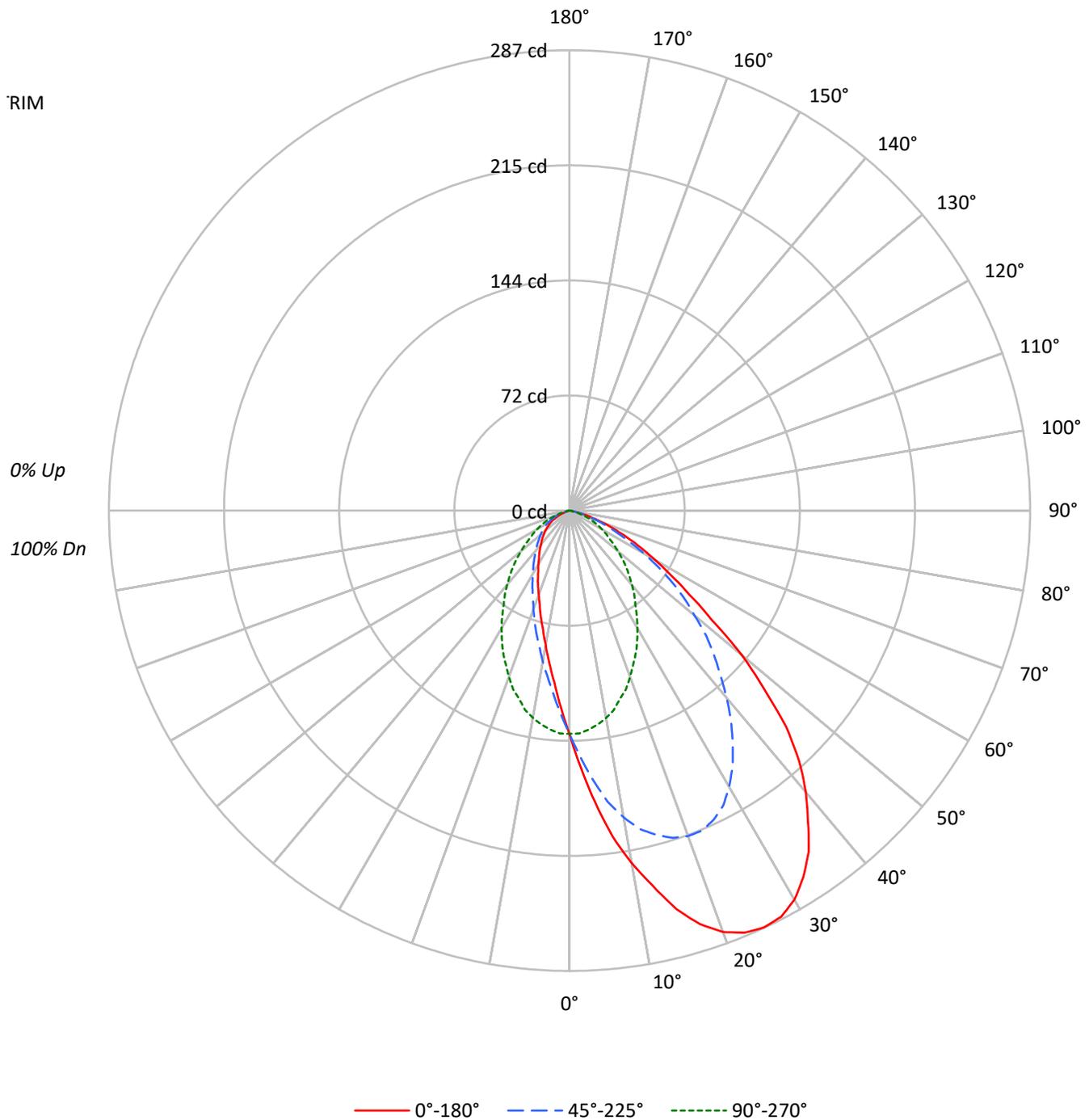
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 312.0 lumens
Efficiency: N/A
Efficacy: 28.1 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
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 (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: P1314569
CATALOG NUMBER: LDSQA3D09R709730DE010 3LSQCLSWWR 1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1314569

CATALOG NUMBER: LDSQA3D09R709730DE010 3LSQCLSWWR 1MMS

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	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	90	90	90	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	69	69	69	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	61	61	61	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	54	54	54	52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	48	48	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	43	43	43	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	39	39	39	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	36	36	36	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	33	33	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	23956	23956	23956	23956	23956
5°	31533	29148	23702	19847	18602
10°	39016	33962	22944	16753	14917
15°	45858	37318	21645	14157	12285
20°	51226	39569	20197	12023	10227
25°	54481	40400	18585	10356	8855
30°	55722	39534	16824	9009	7696
35°	54622	37255	15033	8136	6896
40°	51484	34218	13579	7374	6205
45°	46496	31005	12154	6722	5748
50°	37617	27249	10556	6323	5278
55°	27384	23450	9068	5915	4714
60°	21252	18531	8129	5408	4306
65°	16056	13366	6683	4809	3219
70°	11229	9567	4935	3626	1964
75°	6521	5656	2595	1730	466
80°	1289	1984	694	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 46496 cd/sqm



TEST NUMBER: P1314569

CATALOG NUMBER: LDSQA3D09R709730DE010 3LSQCLSWWR 1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	4.4
10°-20°	40.6	13.0
20°-30°	61.1	19.6
30°-40°	67.9	21.8
40°-50°	60.2	19.3
50°-60°	40.9	13.1
60°-70°	21.4	6.9
70°-80°	6.1	1.9
80°-90°	0.2	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°	115.3	36.9
0°-40°	183.2	58.7
0°-60°	284.3	91.1
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°	139	139	139	139	139	
5°	182	169	137	115	108	19
15°	257	209	121	79	69	73
25°	287	213	98	54	47	132
35°	260	177	72	39	33	161
45°	191	127	50	28	24	145
55°	91	78	30	20	16	84
65°	39	33	16	12	8	40
75°	10	8	4	3	1	11
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1314569
 CATALOG NUMBER: LDSQA3D09R709730DE010 3LSQCLSWWR 1MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1
2.5°	160.1	159.4	158.8	158.8	158.1	157.5	156.2	156.2	154.8	153.5	152.2
5°	182.4	182.4	182.4	180.4	180.4	177.8	176.5	173.9	171.3	168.6	165.3
7.5°	204.7	204.7	202.7	202.1	200.1	197.5	195.5	191.6	187.0	183.1	177.8
10°	223.1	223.1	221.1	219.8	215.9	213.2	209.3	204.7	200.1	194.2	187.7
12.5°	239.5	240.1	237.5	234.9	231.0	227.0	221.8	215.9	210.0	203.4	194.9
15°	257.2	256.5	253.3	250.0	245.4	239.5	232.9	225.1	217.2	209.3	200.1
17.5°	270.3	269.7	266.4	262.5	256.5	249.3	242.1	232.9	223.7	213.9	202.7
20°	279.5	278.9	275.6	270.3	264.4	256.5	248.0	237.5	227.7	215.9	203.4
22.5°	284.8	284.1	280.2	275.6	268.4	259.8	250.6	239.5	228.3	215.9	202.1
25°	286.7	285.4	281.5	276.2	269.0	259.8	249.3	237.5	225.7	212.6	198.2
27.5°	285.4	284.1	279.5	273.6	265.7	255.2	244.7	232.9	220.5	207.3	192.2
30°	280.2	278.2	274.3	268.4	259.8	249.3	238.2	225.7	212.6	198.8	183.7
32.5°	271.0	269.7	265.7	259.2	250.6	240.1	229.0	215.9	202.7	189.0	173.9
35°	259.8	257.2	253.3	247.4	238.8	228.3	217.2	203.4	190.9	177.2	162.7
37.5°	244.1	243.4	238.8	234.2	225.7	214.6	204.1	190.9	178.5	165.3	150.9
40°	229.0	227.7	223.7	218.5	210.0	200.1	189.0	177.2	164.7	152.2	139.1
42.5°	211.9	210.0	207.3	202.1	194.2	184.4	173.9	162.1	150.9	139.1	127.3
45°	190.9	190.3	187.0	184.4	177.2	168.6	158.1	147.6	136.5	127.3	118.1
47.5°	164.0	163.4	162.7	160.8	156.8	150.9	143.0	133.2	124.7	115.5	103.0
50°	140.4	139.8	138.4	137.8	134.5	131.2	125.3	119.4	112.2	101.7	91.9
52.5°	111.5	112.2	114.2	114.8	114.2	111.5	108.9	106.9	97.1	90.5	81.4
55°	91.2	91.2	90.5	91.2	91.9	93.2	93.2	90.5	84.0	78.1	70.2
57.5°	74.8	74.8	74.8	74.8	74.8	75.5	75.5	74.8	71.5	65.6	58.4
60°	61.7	61.0	61.0	61.7	61.0	61.0	61.7	61.7	58.4	53.8	47.2
62.5°	49.9	49.9	49.9	49.2	49.2	49.9	49.9	49.2	46.6	42.0	37.4
65°	39.4	39.4	39.4	39.4	39.4	40.0	39.4	38.7	36.1	32.8	29.5
67.5°	30.2	30.2	30.8	30.2	30.8	30.8	30.8	29.5	27.6	24.9	23.0
70°	22.3	22.3	22.3	23.0	23.6	23.6	23.0	21.7	20.3	19.0	17.1
72.5°	15.1	15.7	15.7	15.7	16.4	16.4	15.7	15.1	14.4	13.1	12.5
75°	9.8	9.2	9.8	9.8	10.5	10.5	9.8	9.8	9.2	8.5	7.9
77.5°	4.6	4.6	5.2	5.2	5.2	5.2	5.2	5.2	5.2	4.6	4.6
80°	1.3	1.3	1.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P1314569

CATALOG NUMBER: LDSQA3D09R709730DE010 3LSQCLSWWR 1MMS

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1
2.5°	150.9	148.9	146.3	139.1	132.5	126.6	123.4	122.7
5°	161.4	158.8	152.2	137.1	124.7	114.8	108.9	107.6
7.5°	172.6	167.3	158.1	134.5	116.8	104.3	97.8	95.8
10°	181.1	174.5	162.1	131.2	108.9	95.8	87.9	85.3
12.5°	187.0	179.1	165.3	127.3	102.4	86.6	78.7	76.1
15°	190.3	181.7	166.0	121.4	94.5	79.4	70.9	68.9
17.5°	191.6	181.7	164.7	116.8	87.3	72.2	64.3	61.7
20°	190.9	179.1	161.4	110.2	80.7	65.6	57.7	55.8
22.5°	188.3	175.2	156.2	103.7	74.1	59.1	52.5	51.2
25°	184.4	169.9	150.3	97.8	68.2	54.5	47.9	46.6
27.5°	177.8	163.4	142.4	91.2	63.0	49.9	44.0	42.0
30°	169.3	155.5	134.5	84.6	57.7	45.3	40.0	38.7
32.5°	160.1	146.3	126.6	78.1	53.1	42.0	36.7	35.4
35°	149.6	136.5	116.8	71.5	48.6	38.7	33.5	32.8
37.5°	139.1	126.0	108.3	66.3	44.6	35.4	30.8	30.2
40°	127.3	116.8	103.7	60.4	41.3	32.8	28.9	27.6
42.5°	120.1	105.6	89.2	55.1	38.1	30.2	26.2	25.6
45°	104.3	93.8	80.7	49.9	34.8	27.6	24.3	23.6
47.5°	93.8	84.6	72.2	44.6	32.2	25.6	22.3	21.7
50°	83.3	74.8	63.0	39.4	29.5	23.6	20.3	19.7
52.5°	72.8	64.3	53.8	34.8	26.2	21.7	18.4	17.7
55°	62.3	54.5	44.6	30.2	23.6	19.7	17.1	15.7
57.5°	51.2	44.6	38.1	26.9	21.0	17.7	15.1	13.8
60°	41.3	37.4	32.2	23.6	18.4	15.7	13.1	12.5
62.5°	33.5	30.2	26.9	20.3	16.4	13.8	11.8	9.8
65°	26.9	24.9	22.3	16.4	13.8	11.8	9.8	7.9
67.5°	21.0	19.7	17.7	13.8	11.2	9.8	7.2	5.9
70°	16.4	15.1	13.8	9.8	8.5	7.2	5.2	3.9
72.5°	11.8	10.5	9.8	7.2	5.9	5.2	3.3	2.0
75°	7.2	7.2	5.9	3.9	3.3	2.6	1.3	0.7
77.5°	3.9	3.9	3.3	2.0	2.0	0.7	0.0	0.0
80°	2.0	1.3	1.3	0.7	0.7	0.0	0.0	0.0
82.5°	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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

(END OF REPORT)