

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: P1317568

Luminaire Tested: LDSQA3D13R709827DE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317568
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: LDSQA3D13R709827DE010 3LSQCLSWWR 1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , 3LSQCLSWWR 1MMS T
Light Source: -
Ballast/Driver: -

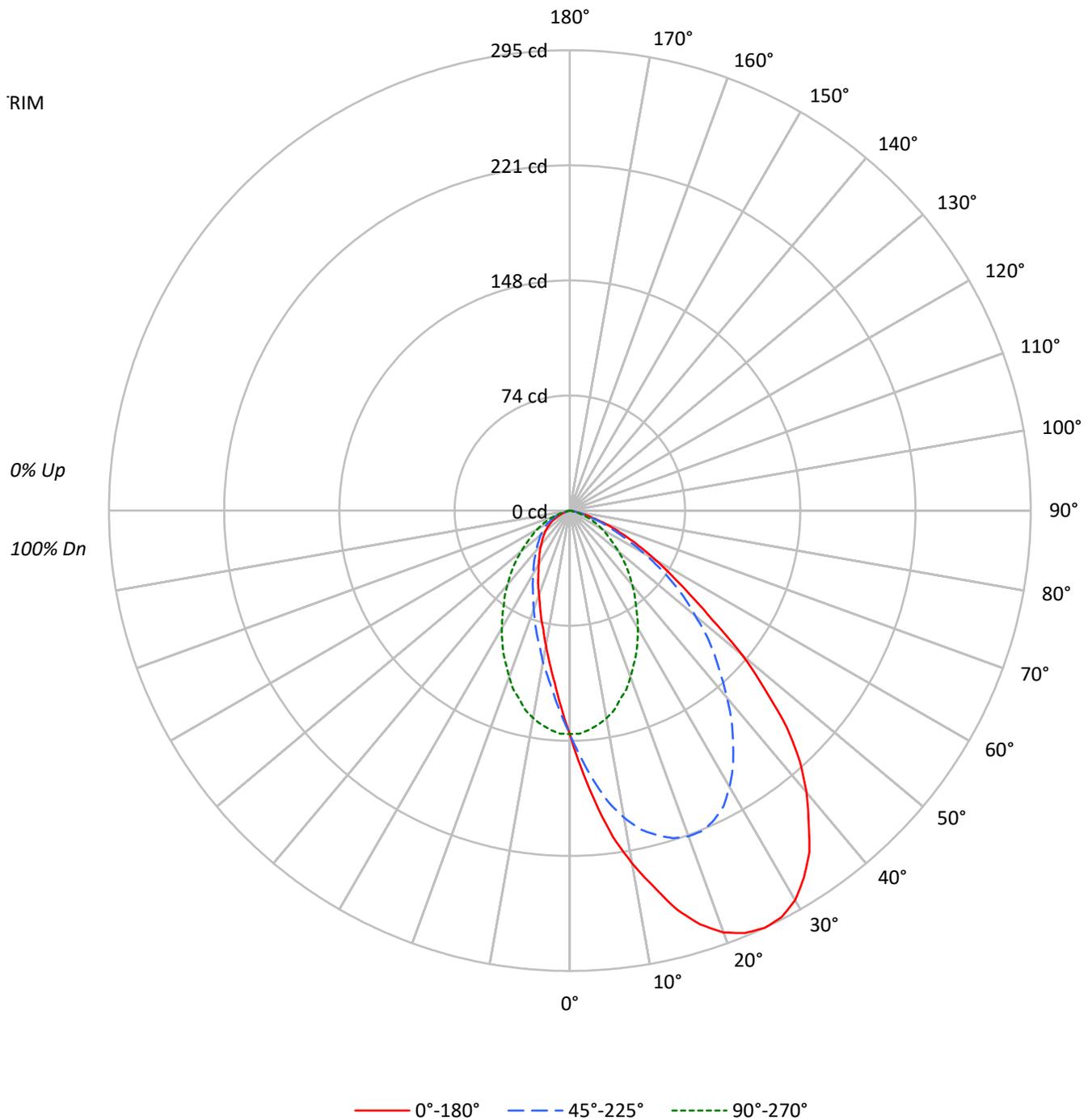
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 321.0 lumens
Efficiency: N/A
Efficacy: 22.1 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): 14.5
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: P1317568
CATALOG NUMBER: LDSQA3D13R709827DE010 3LSQCLSWWR 1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1317568

CATALOG NUMBER: LDSQA3D13R709827DE010 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	63	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°	24645	24645	24645	24645	24645
5°	32450	29995	24393	20417	19138
10°	40135	34941	23609	17243	15354
15°	47178	38388	22269	14567	12641
20°	52710	40705	20783	12371	10520
25°	56058	41559	19117	10641	9102
30°	57333	40668	17321	9267	7915
35°	56198	38328	15474	8368	7106
40°	52968	35207	13961	7599	6385
45°	47835	31906	12495	6917	5918
50°	38716	28026	10851	6511	5439
55°	28164	24111	9338	6095	4864
60°	21872	19082	8370	5580	4409
65°	16504	13774	6887	4972	3301
70°	11582	9869	5086	3726	2065
75°	6721	5856	2728	1797	466
80°	1389	1984	694	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 47835 cd/sqm



TEST NUMBER: P1317568

CATALOG NUMBER: LDSQA3D13R709827DE010 3LSQCLSWWR 1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	4.4
10°-20°	41.7	13.0
20°-30°	62.9	19.6
30°-40°	69.9	21.8
40°-50°	62.0	19.3
50°-60°	42.1	13.1
60°-70°	22.1	6.9
70°-80°	6.3	2.0
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°	118.6	36.9
0°-40°	188.5	58.7
0°-60°	292.5	91.1
0°-90°	321.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	321.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	143	143	143	143	143	
5°	188	174	141	118	111	19
15°	265	215	125	82	71	75
25°	295	219	101	56	48	135
35°	267	182	74	40	34	166
45°	196	131	51	28	24	149
55°	94	80	31	20	16	87
65°	40	34	17	12	8	41
75°	10	9	4	3	1	11
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1317568
 CATALOG NUMBER: LDSQA3D13R709827DE010 3LSQCLSWWR 1MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1
2.5°	164.7	164.0	163.4	163.4	162.7	162.0	160.7	160.7	159.3	158.0	156.6
5°	187.7	187.7	187.7	185.6	185.6	182.9	181.6	178.9	176.2	173.5	170.1
7.5°	210.6	210.6	208.6	207.9	205.9	203.2	201.2	197.1	192.4	188.3	182.9
10°	229.5	229.5	227.5	226.1	222.1	219.4	215.3	210.6	205.9	199.8	193.1
12.5°	246.4	247.1	244.4	241.7	237.6	233.6	228.2	222.1	216.0	209.3	200.5
15°	264.6	263.9	260.6	257.2	252.5	246.4	239.6	231.5	223.4	215.3	205.9
17.5°	278.1	277.4	274.1	270.0	263.9	256.5	249.1	239.6	230.2	220.1	208.6
20°	287.6	286.9	283.5	278.1	272.0	263.9	255.2	244.4	234.2	222.1	209.3
22.5°	293.0	292.3	288.3	283.5	276.1	267.3	257.9	246.4	234.9	222.1	207.9
25°	295.0	293.7	289.6	284.2	276.8	267.3	256.5	244.4	232.2	218.7	203.9
27.5°	293.7	292.3	287.6	281.5	273.4	262.6	251.8	239.6	226.8	213.3	197.8
30°	288.3	286.2	282.2	276.1	267.3	256.5	245.0	232.2	218.7	204.5	189.0
32.5°	278.8	277.4	273.4	266.6	257.9	247.1	235.6	222.1	208.6	194.4	178.9
35°	267.3	264.6	260.6	254.5	245.7	234.9	223.4	209.3	196.4	182.3	167.4
37.5°	251.1	250.4	245.7	241.0	232.2	220.7	209.9	196.4	183.6	170.1	155.3
40°	235.6	234.2	230.2	224.8	216.0	205.9	194.4	182.3	169.4	156.6	143.1
42.5°	218.0	216.0	213.3	207.9	199.8	189.7	178.9	166.7	155.3	143.1	131.0
45°	196.4	195.8	192.4	189.7	182.3	173.5	162.7	151.9	140.4	131.0	121.5
47.5°	168.8	168.1	167.4	165.4	161.3	155.3	147.2	137.0	128.3	118.8	106.0
50°	144.5	143.8	142.4	141.8	138.4	135.0	128.9	122.9	115.4	104.6	94.5
52.5°	114.8	115.4	117.5	118.1	117.5	114.8	112.1	110.0	99.9	93.2	83.7
55°	93.8	93.8	93.2	93.8	94.5	95.9	95.9	93.2	86.4	80.3	72.2
57.5°	77.0	77.0	77.0	77.0	77.0	77.6	77.6	77.0	73.6	67.5	60.1
60°	63.5	62.8	62.8	63.5	62.8	62.8	63.5	63.5	60.1	55.4	48.6
62.5°	51.3	51.3	51.3	50.6	50.6	51.3	51.3	50.6	47.9	43.2	38.5
65°	40.5	40.5	40.5	40.5	40.5	41.2	40.5	39.8	37.1	33.8	30.4
67.5°	31.1	31.1	31.7	31.1	31.7	31.7	31.7	30.4	28.4	25.7	23.6
70°	23.0	23.0	23.0	23.6	24.3	24.3	23.6	22.3	20.9	19.6	17.6
72.5°	15.5	16.2	16.2	16.2	16.9	16.9	16.2	15.5	14.9	13.5	12.8
75°	10.1	9.5	10.1	10.1	10.8	10.8	10.1	10.1	9.5	8.8	8.1
77.5°	4.7	4.7	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.7	4.7
80°	1.4	1.4	1.4	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: P1317568

CATALOG NUMBER: LDSQA3D13R709827DE010 3LSQCLSWWR 1MMS

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1
2.5°	155.3	153.2	150.5	143.1	136.4	130.3	126.9	126.2
5°	166.1	163.4	156.6	141.1	128.3	118.1	112.1	110.7
7.5°	177.5	172.1	162.7	138.4	120.2	107.3	100.6	98.6
10°	186.3	179.6	166.7	135.0	112.1	98.6	90.5	87.8
12.5°	192.4	184.3	170.1	131.0	105.3	89.1	81.0	78.3
15°	195.8	187.0	170.8	124.9	97.2	81.7	72.9	70.9
17.5°	197.1	187.0	169.4	120.2	89.8	74.3	66.2	63.5
20°	196.4	184.3	166.1	113.4	83.0	67.5	59.4	57.4
22.5°	193.7	180.2	160.7	106.7	76.3	60.8	54.0	52.7
25°	189.7	174.8	154.6	100.6	70.2	56.0	49.3	47.9
27.5°	182.9	168.1	146.5	93.8	64.8	51.3	45.2	43.2
30°	174.2	160.0	138.4	87.1	59.4	46.6	41.2	39.8
32.5°	164.7	150.5	130.3	80.3	54.7	43.2	37.8	36.5
35°	153.9	140.4	120.2	73.6	50.0	39.8	34.4	33.8
37.5°	143.1	129.6	111.4	68.2	45.9	36.5	31.7	31.1
40°	131.0	120.2	106.7	62.1	42.5	33.8	29.7	28.4
42.5°	123.5	108.7	91.8	56.7	39.2	31.1	27.0	26.3
45°	107.3	96.5	83.0	51.3	35.8	28.4	25.0	24.3
47.5°	96.5	87.1	74.3	45.9	33.1	26.3	23.0	22.3
50°	85.7	77.0	64.8	40.5	30.4	24.3	20.9	20.3
52.5°	74.9	66.2	55.4	35.8	27.0	22.3	18.9	18.2
55°	64.1	56.0	45.9	31.1	24.3	20.3	17.6	16.2
57.5°	52.7	45.9	39.2	27.7	21.6	18.2	15.5	14.2
60°	42.5	38.5	33.1	24.3	18.9	16.2	13.5	12.8
62.5°	34.4	31.1	27.7	20.9	16.9	14.2	12.2	10.1
65°	27.7	25.7	23.0	16.9	14.2	12.2	10.1	8.1
67.5°	21.6	20.3	18.2	14.2	11.5	10.1	7.4	6.1
70°	16.9	15.5	14.2	10.1	8.8	7.4	5.4	4.1
72.5°	12.2	10.8	10.1	7.4	6.1	5.4	3.4	2.0
75°	7.4	7.4	6.1	4.1	3.4	2.7	1.4	0.7
77.5°	4.1	4.1	3.4	2.0	2.0	0.7	0.0	0.0
80°	2.0	1.4	1.4	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)