

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: P1319319

Luminaire Tested: LDSQA3D13R709835DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319319
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: LDSQA3D13R709835DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

Summary

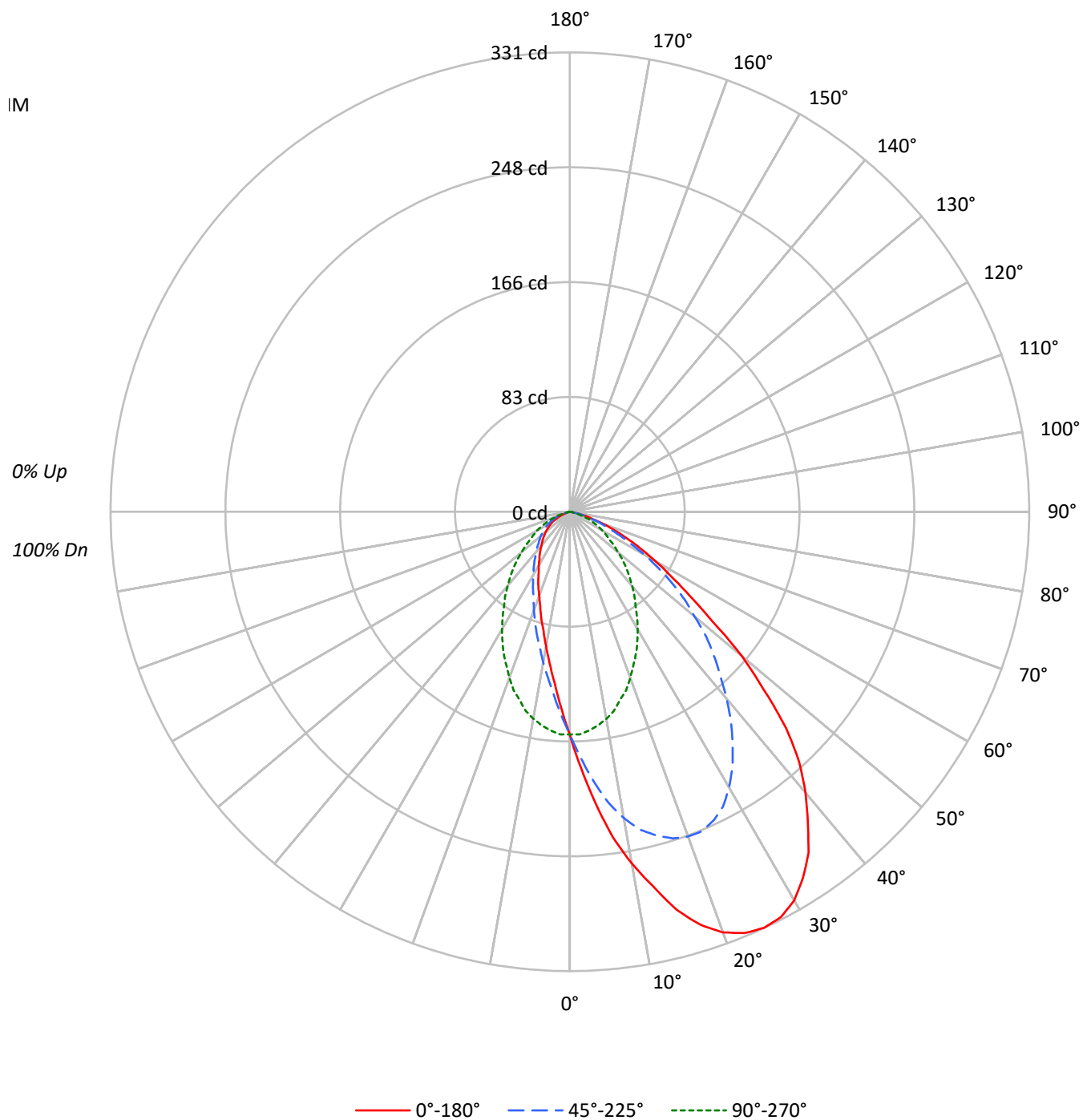
Lumens per Lamp: N/A
Luminaire Lumens: 360.0 lumens
Efficiency: N/A
Efficacy: 24.8 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1319319

CATALOG NUMBER: LDSQA3D13R709835DE010 3LSQCLSWWR 1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1319319

CATALOG NUMBER: LDSQA3D13R709835DE010 3LSQCLSWWR 1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77		
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67		
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59		
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52		
6	75	63	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46		
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42		
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38		
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34		
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	27642	27642	27642	27642	27642
5°	36391	33643	27350	22907	21472
10°	45014	39190	26477	19324	17208
15°	52919	43059	24980	16332	14175
20°	59106	45654	23313	13874	11803
25°	62861	46614	21435	11934	10223
30°	64293	45620	19429	10381	8889
35°	63031	42974	17345	9398	7968
40°	59398	39479	15670	8521	7149
45°	53656	35779	14005	7745	6649
50°	43405	31428	12164	7315	6082
55°	31587	27054	10449	6816	5465
60°	24525	21390	9403	6269	4960
65°	18501	15445	7702	5542	3708
70°	12941	11078	5740	4179	2266
75°	7586	6521	2994	1996	532
80°	1488	2281	793	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 53656 cd/sqm

TEST NUMBER: P1319319

CATALOG NUMBER: LDSQA3D13R709835DE010 3LSQCLSWWR 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	4.4
10°-20°	46.8	13.0
20°-30°	70.5	19.6
30°-40°	78.4	21.8
40°-50°	69.5	19.3
50°-60°	47.2	13.1
60°-70°	24.7	6.9
70°-80°	7.0	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°	133.0	36.9
0°-40°	211.4	58.7
0°-60°	328.0	91.1
0°-90°	360.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	360.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	160	160	160	160	160	
5°	210	195	158	132	124	22
15°	297	242	140	92	80	84
25°	331	245	113	63	54	152
35°	300	204	82	45	38	186
45°	220	147	58	32	27	167
55°	105	90	35	23	18	97
65°	45	38	19	14	9	46
75°	11	10	4	3	1	13
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1319319

CATALOG NUMBER: LDSQA3D13R709835DE010 3LSQCLSWWR 1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5
2.5°	184.7	184.0	183.2	183.2	182.5	181.7	180.2	180.2	178.7	177.2	175.6
5°	210.5	210.5	210.5	208.2	208.2	205.2	203.7	200.6	197.6	194.6	190.8
7.5°	236.2	236.2	233.9	233.2	230.9	227.9	225.6	221.1	215.8	211.2	205.2
10°	257.4	257.4	255.1	253.6	249.1	246.0	241.5	236.2	230.9	224.1	216.5
12.5°	276.3	277.1	274.1	271.0	266.5	261.9	255.9	249.1	242.3	234.7	224.9
15°	296.8	296.0	292.2	288.4	283.1	276.3	268.8	259.7	250.6	241.5	230.9
17.5°	311.9	311.2	307.4	302.8	296.0	287.7	279.4	268.8	258.2	246.8	233.9
20°	322.5	321.8	318.0	311.9	305.1	296.0	286.2	274.1	262.7	249.1	234.7
22.5°	328.6	327.8	323.3	318.0	309.6	299.8	289.2	276.3	263.5	249.1	233.2
25°	330.8	329.3	324.8	318.7	310.4	299.8	287.7	274.1	260.4	245.3	228.6
27.5°	329.3	327.8	322.5	315.7	306.6	294.5	282.4	268.8	254.4	239.2	221.8
30°	323.3	321.0	316.5	309.6	299.8	287.7	274.8	260.4	245.3	229.4	212.0
32.5°	312.7	311.2	306.6	299.0	289.2	277.1	264.2	249.1	233.9	218.0	200.6
35°	299.8	296.8	292.2	285.4	275.6	263.5	250.6	234.7	220.3	204.4	187.8
37.5°	281.6	280.9	275.6	270.3	260.4	247.6	235.5	220.3	205.9	190.8	174.1
40°	264.2	262.7	258.2	252.1	242.3	230.9	218.0	204.4	190.0	175.6	160.5
42.5°	244.5	242.3	239.2	233.2	224.1	212.7	200.6	187.0	174.1	160.5	146.9
45°	220.3	219.6	215.8	212.7	204.4	194.6	182.5	170.3	157.5	146.9	136.3
47.5°	189.3	188.5	187.8	185.5	180.9	174.1	165.0	153.7	143.8	133.2	118.9
50°	162.0	161.3	159.7	159.0	155.2	151.4	144.6	137.8	129.5	117.3	106.0
52.5°	128.7	129.5	131.7	132.5	131.7	128.7	125.7	123.4	112.0	104.5	93.9
55°	105.2	105.2	104.5	105.2	106.0	107.5	107.5	104.5	96.9	90.1	81.0
57.5°	86.3	86.3	86.3	86.3	86.3	87.1	87.1	86.3	82.5	75.7	67.4
60°	71.2	70.4	70.4	71.2	70.4	70.4	71.2	71.2	67.4	62.1	54.5
62.5°	57.5	57.5	57.5	56.8	56.8	57.5	57.5	56.8	53.8	48.5	43.2
65°	45.4	45.4	45.4	45.4	45.4	46.2	45.4	44.7	41.6	37.9	34.1
67.5°	34.8	34.8	35.6	34.8	35.6	35.6	35.6	34.1	31.8	28.8	26.5
70°	25.7	25.7	25.7	26.5	27.3	27.3	26.5	25.0	23.5	22.0	19.7
72.5°	17.4	18.2	18.2	18.2	18.9	18.9	18.2	17.4	16.7	15.1	14.4
75°	11.4	10.6	11.4	11.4	12.1	12.1	11.4	11.4	10.6	9.8	9.1
77.5°	5.3	5.3	6.1	6.1	6.1	6.1	6.1	6.1	6.1	5.3	5.3
80°	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
82.5°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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: P1319319

CATALOG NUMBER: LDSQA3D13R709835DE010 3LSQCLSWWR 1MB

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5
2.5°	174.1	171.9	168.8	160.5	152.9	146.1	142.3	141.6
5°	186.2	183.2	175.6	158.2	143.8	132.5	125.7	124.2
7.5°	199.1	193.1	182.5	155.2	134.8	120.4	112.8	110.5
10°	209.0	201.4	187.0	151.4	125.7	110.5	101.4	98.4
12.5°	215.8	206.7	190.8	146.9	118.1	99.9	90.8	87.8
15°	219.6	209.7	191.5	140.1	109.0	91.6	81.8	79.5
17.5°	221.1	209.7	190.0	134.8	100.7	83.3	74.2	71.2
20°	220.3	206.7	186.2	127.2	93.1	75.7	66.6	64.4
22.5°	217.3	202.1	180.2	119.6	85.5	68.1	60.6	59.1
25°	212.7	196.1	173.4	112.8	78.7	62.8	55.3	53.8
27.5°	205.2	188.5	164.3	105.2	72.7	57.5	50.7	48.5
30°	195.3	179.4	155.2	97.7	66.6	52.2	46.2	44.7
32.5°	184.7	168.8	146.1	90.1	61.3	48.5	42.4	40.9
35°	172.6	157.5	134.8	82.5	56.0	44.7	38.6	37.9
37.5°	160.5	145.4	124.9	76.5	51.5	40.9	35.6	34.8
40°	146.9	134.8	119.6	69.7	47.7	37.9	33.3	31.8
42.5°	138.5	121.9	103.0	63.6	43.9	34.8	30.3	29.5
45°	120.4	108.3	93.1	57.5	40.1	31.8	28.0	27.3
47.5°	108.3	97.7	83.3	51.5	37.1	29.5	25.7	25.0
50°	96.1	86.3	72.7	45.4	34.1	27.3	23.5	22.7
52.5°	84.0	74.2	62.1	40.1	30.3	25.0	21.2	20.4
55°	71.9	62.8	51.5	34.8	27.3	22.7	19.7	18.2
57.5°	59.1	51.5	43.9	31.0	24.2	20.4	17.4	15.9
60°	47.7	43.2	37.1	27.3	21.2	18.2	15.1	14.4
62.5°	38.6	34.8	31.0	23.5	18.9	15.9	13.6	11.4
65°	31.0	28.8	25.7	18.9	15.9	13.6	11.4	9.1
67.5°	24.2	22.7	20.4	15.9	12.9	11.4	8.3	6.8
70°	18.9	17.4	15.9	11.4	9.8	8.3	6.1	4.5
72.5°	13.6	12.1	11.4	8.3	6.8	6.1	3.8	2.3
75°	8.3	8.3	6.8	4.5	3.8	3.0	1.5	0.8
77.5°	4.5	4.5	3.8	2.3	2.3	0.8	0.0	0.0
80°	2.3	1.5	1.5	0.8	0.8	0.0	0.0	0.0
82.5°	0.8	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)