

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: P1319321

Luminaire Tested: LDSQA3D13R709835DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319321
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: LDSQA3D13R709835DE010 3LSQCLSWWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCLSWWWR 1MW TF
Light Source: -
Ballast/Driver: -

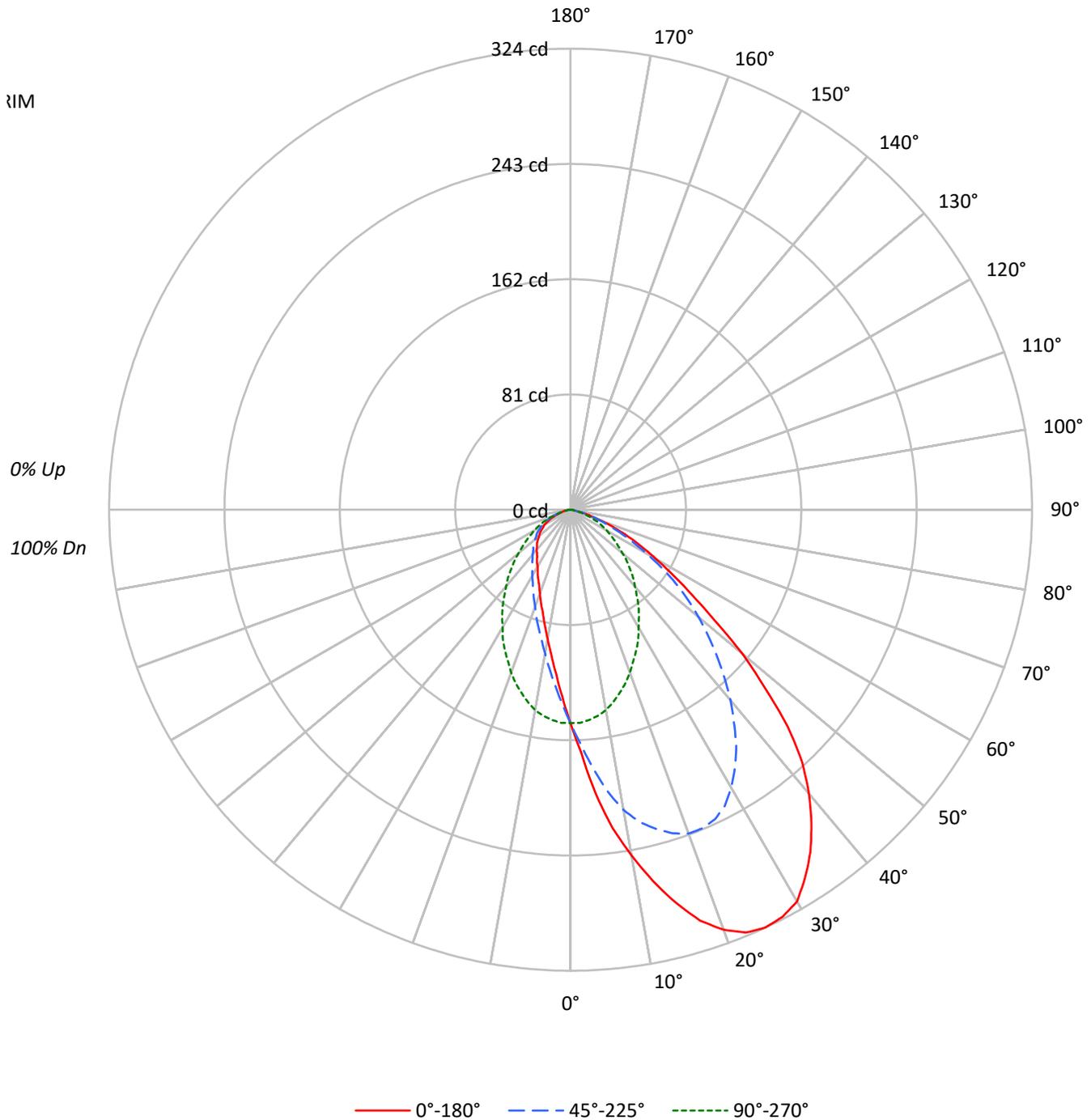
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 366.0 lumens
Efficiency: N/A
Efficacy: 25.2 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): 14.5
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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	25816	25816	25816	25816	25816
5°	34542	31533	25638	21454	20020
10°	43143	37459	25008	17995	16141
15°	51011	41419	23749	15387	13355
20°	57567	44389	22323	13324	11510
25°	61550	45587	20713	11801	10204
30°	63219	44844	18972	10679	9188
35°	61728	42638	17513	9860	8599
40°	58521	39299	15827	9353	8341
45°	52536	35389	14370	9036	8111
50°	42172	31428	12780	8708	7716
55°	31137	27054	11350	8648	7507
60°	23973	21114	10161	8336	7302
65°	18216	15730	8925	7702	6479
70°	12186	11028	6848	6848	5338
75°	6521	6521	4525	4525	4059
80°	1488	2975	2281	2975	3769
85°	0	1581	1581	2964	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 52536 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	4.0
10°-20°	44.9	12.3
20°-30°	69.2	18.9
30°-40°	78.6	21.5
40°-50°	71.1	19.4
50°-60°	49.7	13.6
60°-70°	27.3	7.5
70°-80°	9.1	2.5
80°-90°	1.2	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°	128.9	35.2
0°-40°	207.5	56.7
0°-60°	328.3	89.7
0°-90°	366.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	366.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	150	150	150	150	150	
5°	200	182	148	124	116	20
15°	286	232	133	86	75	82
25°	324	240	109	62	54	149
35°	294	203	83	47	41	183
45°	216	145	59	37	33	163
55°	104	90	38	29	25	95
65°	45	39	22	19	16	45
75°	10	10	7	7	6	11
85°	0	1	1	2	2	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°	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9
2.5°	171.0	172.6	173.3	171.8	171.0	170.3	168.8	168.0	166.5	165.0	164.2
5°	199.8	199.8	199.8	198.3	196.0	194.5	191.5	189.2	185.4	182.4	179.4
7.5°	225.5	225.5	224.8	222.5	221.0	217.2	213.4	210.4	204.3	199.8	193.7
10°	246.7	246.7	246.0	242.2	239.9	235.4	231.6	226.3	220.2	214.2	207.4
12.5°	267.2	267.2	264.1	261.1	256.6	250.5	245.2	239.9	231.6	224.8	216.5
15°	286.1	286.1	284.6	279.3	273.2	266.4	258.8	251.3	241.4	232.3	223.3
17.5°	302.7	302.0	299.7	293.6	287.6	279.3	270.2	261.1	249.0	238.4	227.0
20°	314.1	314.1	311.1	304.2	297.4	288.3	278.5	267.9	255.0	242.2	228.6
22.5°	321.6	320.9	317.9	311.1	302.7	293.6	282.3	270.9	256.6	242.2	227.8
25°	323.9	323.2	320.1	312.6	304.2	294.4	282.3	270.2	255.0	239.9	224.0
27.5°	322.4	321.6	318.6	310.3	302.0	290.6	278.5	265.6	250.5	234.6	218.7
30°	317.9	315.6	312.6	305.0	295.9	284.6	271.7	257.3	242.2	225.5	209.6
32.5°	306.5	306.5	302.7	295.2	286.1	274.0	261.1	247.5	230.8	214.9	198.3
35°	293.6	292.9	289.9	281.5	273.2	261.9	249.0	234.6	218.7	202.8	186.9
37.5°	277.8	277.0	274.0	266.4	257.3	246.7	233.1	219.5	204.3	188.4	174.1
40°	260.3	258.8	255.0	249.0	241.4	229.3	217.2	203.6	189.2	174.8	160.4
42.5°	240.7	239.2	236.1	231.6	222.5	211.9	200.6	187.7	174.1	159.7	149.1
45°	215.7	215.7	214.2	209.6	202.8	194.5	182.4	171.0	158.2	145.3	134.0
47.5°	184.7	186.2	185.4	183.2	180.1	172.6	164.2	154.4	142.3	130.9	120.3
50°	157.4	158.2	158.9	157.4	155.1	149.9	144.6	138.5	127.9	117.3	107.5
52.5°	126.4	128.7	128.7	129.4	129.4	127.9	126.4	119.6	114.3	103.7	94.6
55°	103.7	103.7	103.7	105.2	106.0	106.7	105.2	103.7	97.6	90.1	81.7
57.5°	84.8	84.8	86.3	85.5	85.5	87.0	87.0	86.3	82.5	75.7	68.1
60°	69.6	69.6	69.6	69.6	70.4	70.4	70.4	70.4	67.4	61.3	55.2
62.5°	56.0	56.0	56.0	56.8	56.8	56.8	57.5	56.8	53.7	49.2	43.9
65°	44.7	43.9	44.7	44.7	45.4	45.4	45.4	44.7	41.6	38.6	34.8
67.5°	33.3	34.1	34.1	34.1	34.8	35.6	34.8	34.1	31.8	28.8	27.2
70°	24.2	25.0	25.0	25.0	25.7	26.5	25.7	25.0	23.5	21.9	20.4
72.5°	15.9	16.7	16.7	17.4	18.2	18.2	17.4	17.4	16.7	15.1	14.4
75°	9.8	9.8	10.6	10.6	11.4	11.4	11.4	10.6	10.6	9.8	9.8
77.5°	4.5	4.5	5.3	5.3	5.3	6.1	6.1	6.1	6.1	6.1	5.3
80°	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3	3.0	3.0	3.0
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9
2.5°	162.7	160.4	157.4	149.9	142.3	136.2	132.4	131.7
5°	175.6	171.8	165.0	148.3	134.7	124.1	118.1	115.8
7.5°	188.4	181.6	171.8	146.1	125.6	112.8	106.0	102.9
10°	199.0	190.7	177.9	143.0	118.1	102.9	94.6	92.3
12.5°	207.4	197.5	181.6	138.5	110.5	93.8	85.5	83.3
15°	212.7	202.1	183.9	133.2	102.9	86.3	78.0	74.9
17.5°	214.9	202.1	183.2	127.9	96.1	79.5	71.1	68.9
20°	214.9	200.6	180.9	121.8	89.3	72.7	65.1	62.8
22.5°	212.7	197.5	175.6	115.0	83.3	67.4	59.8	57.5
25°	208.1	191.5	169.5	109.0	77.2	62.1	55.2	53.7
27.5°	201.3	184.7	162.0	102.9	71.9	57.5	51.5	50.0
30°	193.0	176.3	153.6	95.4	66.6	53.7	48.4	46.2
32.5°	182.4	166.5	144.6	89.3	62.1	50.0	45.4	43.9
35°	171.0	156.7	134.7	83.3	57.5	46.9	42.4	40.9
37.5°	159.7	144.6	126.4	76.4	53.7	43.9	40.1	38.6
40°	147.6	136.2	117.3	70.4	50.7	41.6	37.8	37.1
42.5°	135.5	123.4	104.4	65.1	46.9	38.6	35.6	34.8
45°	121.1	109.7	94.6	59.0	43.9	37.1	34.1	33.3
47.5°	109.0	98.4	84.8	53.7	40.9	34.8	31.8	31.0
50°	97.6	87.0	74.2	47.7	37.8	32.5	30.3	28.8
52.5°	84.8	75.7	64.3	42.4	34.8	30.3	28.0	27.2
55°	73.4	64.3	53.7	37.8	31.8	28.8	25.7	25.0
57.5°	60.5	53.0	45.4	33.3	28.8	25.7	24.2	22.7
60°	49.2	43.9	38.6	29.5	25.7	24.2	21.9	21.2
62.5°	40.1	36.3	32.5	25.7	22.7	21.2	19.7	18.2
65°	31.8	29.5	26.5	21.9	19.7	18.9	17.4	15.9
67.5°	25.0	23.5	21.2	17.4	16.7	15.9	14.4	12.9
70°	18.9	18.2	16.7	13.6	12.9	13.6	12.1	10.6
72.5°	13.6	12.9	12.1	9.8	9.8	9.8	9.1	7.6
75°	9.1	8.3	7.6	6.8	6.8	6.8	6.8	6.1
77.5°	5.3	5.3	4.5	3.8	4.5	4.5	5.3	5.3
80°	2.3	2.3	2.3	2.3	3.0	3.0	3.8	3.8
82.5°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3
85°	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)