

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: P1309926

Luminaire Tested: LDSQA3D02R559035DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309926
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R559035DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

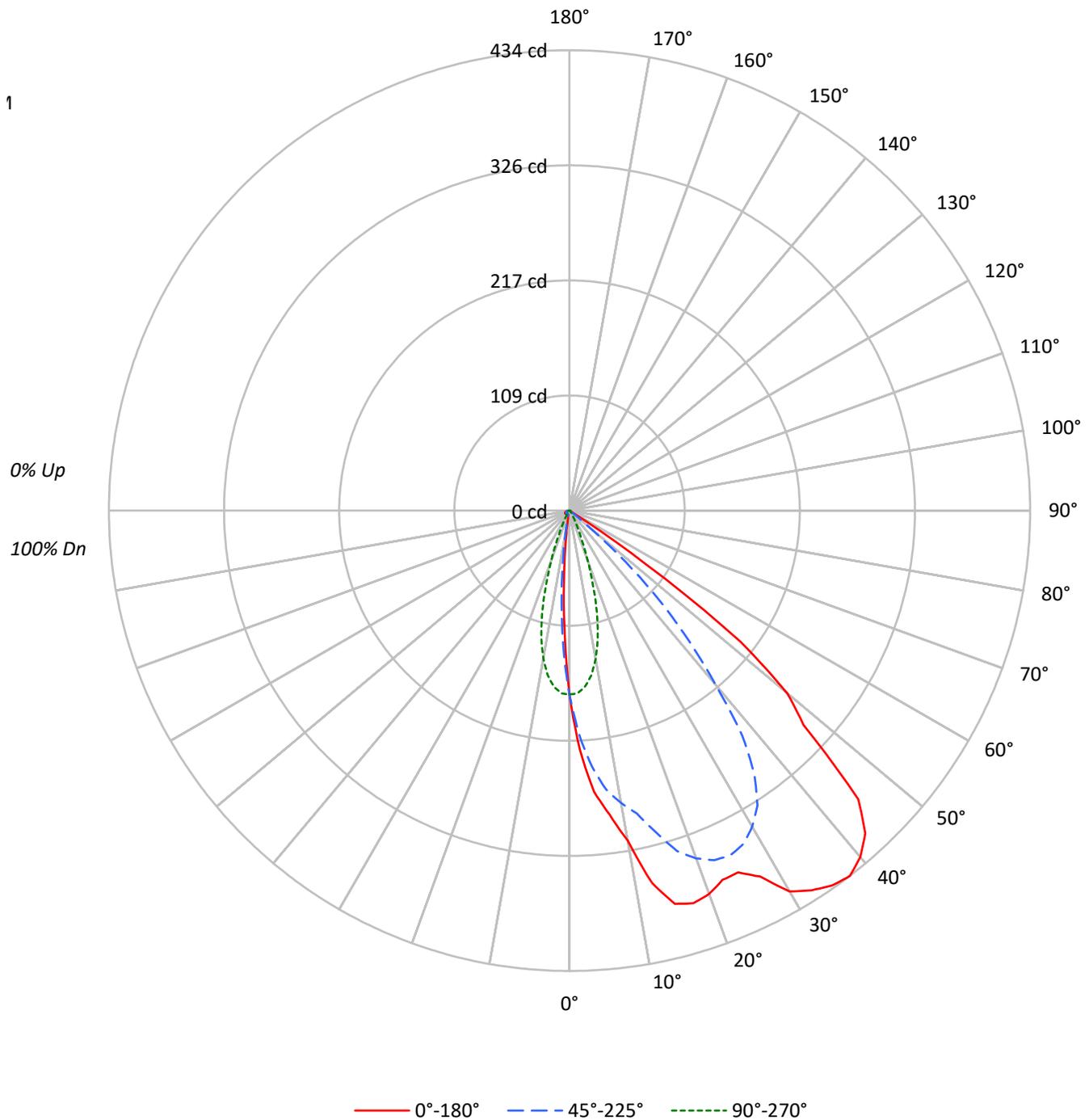
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 289.1 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1309926
CATALOG NUMBER: LDSQA3D02R559035DE010 3LSQCA30R 1MW

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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	63	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	29829	29829	29829	29829	29829
5°	46004	41889	28819	14799	9716
10°	55279	48949	24798	3725	1486
15°	68431	55896	17723	1034	802
20°	70488	63945	9164	696	696
25°	71507	68125	3668	627	722
30°	82430	68450	1591	656	756
35°	90721	63809	694	694	841
40°	95841	48022	405	787	899
45°	93722	29349	365	852	1096
50°	71698	6243	402	1018	1286
55°	26303	240	450	1141	1441
60°	276	276	517	1309	1653
65°	326	326	611	1345	1752
70°	252	403	655	1511	2014
75°	200	333	665	1664	2329
80°	298	496	793	1785	2479
85°	0	593	988	1976	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 93722 cd/sqm



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CATALOG NUMBER: LDSQA3D02R559035DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.2	5.3
10°-20°	43.7	15.1
20°-30°	67.0	23.2
30°-40°	78.1	27.0
40°-50°	62.4	21.6
50°-60°	18.5	6.4
60°-70°	2.0	0.7
70°-80°	1.6	0.5
80°-90°	0.7	0.2
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°	125.9	43.6
0°-40°	204.0	70.6
0°-60°	284.8	98.5
0°-90°	289.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	289.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	173	173	173	173	173	
5°	266	242	167	86	56	27
15°	384	314	99	6	4	106
25°	376	358	19	3	4	179
35°	432	304	3	3	4	269
45°	385	120	2	4	4	277
55°	88	1	2	4	5	93
65°	1	1	2	3	4	1
75°	0	0	1	2	4	0
85°	0	0	0	1	1	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°	173.2	173.2	173.2	173.2	173.2	173.2	173.2	173.2	173.2	173.2	173.2
2.5°	225.9	225.9	225.2	225.4	224.9	222.2	221.7	218.2	215.1	211.9	209.1
5°	266.1	266.6	265.8	264.3	262.3	260.3	256.1	252.8	248.5	242.3	236.5
7.5°	288.9	288.4	287.2	286.7	285.4	283.2	280.2	276.6	271.6	265.3	258.6
10°	316.1	311.8	310.5	308.5	304.5	300.0	294.7	289.9	285.7	279.9	272.6
12.5°	359.7	359.0	354.0	350.2	344.7	334.6	325.6	315.1	302.5	292.5	282.9
15°	383.8	384.3	382.1	379.1	375.6	367.3	358.2	345.9	331.1	313.5	298.0
17.5°	388.1	388.9	387.6	386.3	385.3	380.6	375.1	366.3	352.7	336.4	313.3
20°	384.6	386.1	386.3	387.9	389.9	387.9	383.3	377.3	366.0	348.9	326.9
22.5°	376.8	379.6	381.6	386.9	392.1	392.1	389.4	384.6	373.5	356.7	334.1
25°	376.3	376.8	377.6	386.1	394.4	396.1	393.6	388.6	376.6	358.5	333.9
27.5°	388.9	385.6	380.6	389.1	398.9	400.4	396.9	390.1	375.8	354.5	325.3
30°	414.5	407.2	396.6	402.9	409.7	407.9	400.9	390.1	370.8	344.2	309.3
32.5°	424.3	420.2	416.5	423.3	424.5	417.2	404.7	388.6	362.8	329.6	282.9
35°	431.5	431.8	430.3	431.5	425.5	415.2	401.4	380.3	347.7	303.5	248.0
37.5°	434.0	434.5	431.3	426.8	417.7	405.9	389.4	365.3	322.6	267.6	195.3
40°	426.3	424.8	419.5	413.2	403.4	391.4	373.3	337.4	285.2	213.6	152.4
42.5°	412.5	409.9	403.7	396.1	385.8	370.5	341.7	298.2	231.7	166.7	106.7
45°	384.8	383.1	375.3	369.8	357.5	337.6	300.5	245.8	179.2	120.5	61.8
47.5°	299.0	299.2	305.3	308.0	303.8	287.9	244.3	186.8	130.8	71.8	20.8
50°	267.6	266.4	260.3	252.0	238.2	214.6	179.2	132.0	77.3	23.3	3.0
52.5°	203.1	203.1	200.1	195.8	181.2	158.4	121.3	73.1	27.1	4.0	0.8
55°	87.6	83.1	85.6	90.4	86.6	75.3	56.7	21.8	4.8	0.8	0.8
57.5°	1.3	3.0	4.5	7.3	9.8	11.8	6.3	2.3	0.8	0.8	0.8
60°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67.5°	0.5	0.5	0.5	0.8	0.5	0.8	0.8	0.8	0.8	0.8	0.8
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
75°	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
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: P1309926

CATALOG NUMBER: LDSQA3D02R559035DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	173.2	173.2	173.2	173.2	173.2	173.2	173.2	173.2
2.5°	205.1	200.8	193.8	172.5	150.4	130.0	115.5	110.0
5°	230.0	222.2	210.4	166.7	122.8	85.6	64.5	56.2
7.5°	249.5	239.5	222.4	156.6	90.1	45.7	27.4	21.6
10°	262.6	251.5	229.2	141.8	59.7	21.3	10.3	8.5
12.5°	272.1	258.3	231.7	122.8	35.1	9.8	5.5	5.0
15°	279.2	261.3	228.7	99.4	19.3	5.8	4.5	4.5
17.5°	288.9	262.8	221.4	73.3	11.0	4.3	4.3	4.3
20°	296.5	262.8	207.6	50.0	6.8	3.8	3.8	3.8
22.5°	300.2	258.8	190.8	31.6	4.8	3.5	3.8	3.8
25°	296.5	249.0	169.2	19.3	3.8	3.3	3.5	3.8
27.5°	282.7	229.4	140.3	12.3	3.0	3.3	3.5	3.8
30°	259.6	201.1	107.7	8.0	2.8	3.3	3.5	3.8
32.5°	226.9	158.9	69.8	5.3	2.5	3.3	3.5	3.8
35°	177.2	112.5	42.2	3.3	2.5	3.3	3.8	4.0
37.5°	132.8	75.1	22.8	2.0	2.5	3.3	3.8	4.0
40°	92.1	43.7	9.8	1.8	2.5	3.5	4.0	4.0
42.5°	53.5	17.3	2.5	1.5	2.5	3.5	4.0	4.3
45°	19.6	3.5	0.8	1.5	2.8	3.5	4.0	4.5
47.5°	2.8	0.8	0.8	1.5	2.8	3.5	4.3	4.5
50°	0.8	0.8	0.8	1.5	2.8	3.8	4.5	4.8
52.5°	0.8	0.8	0.8	1.5	2.8	3.8	4.5	4.8
55°	0.8	0.8	0.8	1.5	2.8	3.8	4.5	4.8
57.5°	0.8	0.8	0.8	1.5	2.8	3.8	4.5	4.8
60°	0.8	0.8	0.8	1.5	2.5	3.8	4.5	4.8
62.5°	0.8	0.8	0.8	1.5	2.5	3.5	4.3	4.5
65°	0.8	0.8	0.8	1.5	2.3	3.3	4.3	4.3
67.5°	0.8	0.8	0.8	1.3	2.3	3.3	4.0	4.3
70°	0.8	0.8	0.8	1.3	2.0	3.0	3.8	4.0
72.5°	0.8	0.8	0.8	1.0	1.8	2.8	3.5	3.8
75°	0.5	0.8	0.8	1.0	1.8	2.5	3.3	3.5
77.5°	0.5	0.8	0.8	0.8	1.5	2.0	2.8	3.0
80°	0.5	0.5	0.8	0.8	1.3	1.8	2.3	2.5
82.5°	0.5	0.5	0.5	0.8	1.0	1.3	1.8	1.8
85°	0.5	0.5	0.5	0.5	0.8	1.0	1.3	1.3
87.5°	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)