

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: P1315614

Luminaire Tested: LDSQA3D13R309735DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309735DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

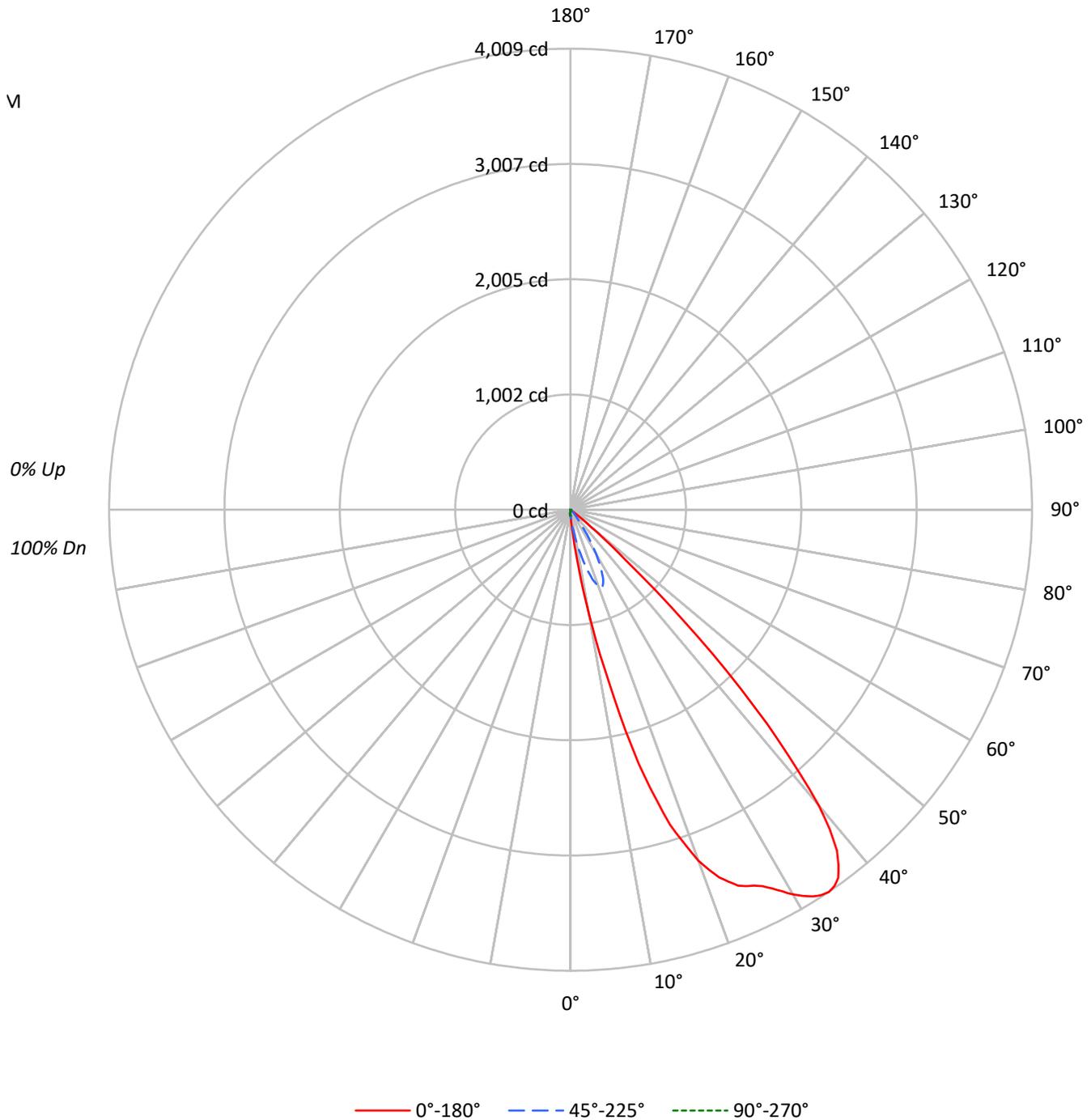
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 965.0 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1315614
CATALOG NUMBER: LDSQA3D13R309735DE010 3LSQCA30R 1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1315614
 CATALOG NUMBER: LDSQA3D13R309735DE010 3LSQCA30R 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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	76	73	69	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	71	66	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	51	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8887	8887	8887	8887	8887
5°	32260	20037	8143	3285	2351
10°	159630	47987	6331	630	0
15°	407215	91396	4030	0	0
20°	595022	129961	1668	0	0
25°	686452	127508	342	0	0
30°	768277	87521	0	0	0
35°	840223	37697	0	0	0
40°	754116	14658	0	0	0
45°	385116	5967	0	0	0
50°	59454	723	0	0	0
55°	3543	0	270	0	0
60°	0	0	310	0	0
65°	0	0	734	0	0
70°	0	453	906	0	0
75°	0	599	1797	0	0
80°	0	893	2678	0	0
85°	0	1778	5335	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 385116 cd/sqm



TEST NUMBER: P1315614
 CATALOG NUMBER: LDSQA3D13R309735DE010 3LSQCA30R 1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	1.1
10°-20°	128.6	13.3
20°-30°	317.7	32.9
30°-40°	365.4	37.9
40°-50°	135.5	14.0
50°-60°	4.9	0.5
60°-70°	0.5	0.0
70°-80°	0.8	0.1
80°-90°	0.7	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°	457.1	47.4
0°-40°	822.5	85.2
0°-60°	963.0	99.8
0°-90°	965.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	965.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	52	52	52	52	52	
5°	187	116	47	19	14	40
15°	2284	513	23	0	0	657
25°	3612	671	2	0	0	1669
35°	3996	179	0	0	0	2423
45°	1581	24	0	0	0	1231
55°	12	0	1	0	0	40
65°	0	0	2	0	0	0
75°	0	1	3	0	0	0
85°	0	1	3	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1315614
 CATALOG NUMBER: LDSQA3D13R309735DE010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
2.5°	91.5	92.4	92.4	89.7	88.7	87.8	85.1	77.0	64.3	51.6	41.7
5°	186.6	187.5	187.5	182.0	171.2	160.3	151.2	115.9	74.3	47.1	30.8
7.5°	440.1	441.0	422.0	400.3	356.8	334.2	292.5	178.4	84.2	42.6	19.9
10°	912.8	892.9	843.1	779.7	712.7	625.8	537.9	274.4	91.5	36.2	12.7
12.5°	1525.9	1506.9	1442.6	1352.1	1220.7	1050.5	883.9	385.8	92.4	29.0	7.2
15°	2283.9	2230.5	2153.5	2003.2	1809.4	1545.9	1270.6	512.6	88.7	22.6	1.8
17.5°	2871.7	2822.8	2724.9	2549.3	2308.4	2015.9	1678.1	633.0	78.8	14.5	0.0
20°	3246.6	3195.0	3103.5	2948.6	2692.3	2349.1	1962.4	709.1	65.2	9.1	0.0
21°	3353.4	3303.6	3214.0	3060.0	2804.6	2462.3	2032.2	725.4	58.9	7.2	0.0
22°	3447.6	3408.7	3325.4	3157.8	2897.9	2545.6	2102.8	727.2	54.3	5.4	0.0
23°	3513.7	3485.7	3402.3	3248.4	2989.4	2613.6	2140.8	716.3	48.9	3.6	0.0
24°	3577.1	3542.7	3471.2	3328.1	3061.8	2670.6	2175.3	696.4	43.5	2.7	0.0
25°	3612.4	3572.6	3517.3	3383.3	3121.6	2706.8	2196.1	671.0	38.0	1.8	0.0
26°	3636.9	3606.1	3545.4	3415.9	3147.0	2730.4	2198.8	633.9	34.4	0.9	0.0
27°	3674.0	3643.2	3584.4	3444.9	3157.8	2726.8	2182.5	591.4	29.9	0.0	0.0
28°	3730.2	3689.4	3630.5	3475.7	3162.4	2711.4	2146.3	545.2	25.4	0.0	0.0
29°	3794.5	3752.8	3688.5	3516.4	3163.3	2680.6	2089.2	494.5	22.6	0.0	0.0
30°	3863.3	3827.1	3761.9	3556.3	3173.2	2640.7	2023.1	440.1	18.1	0.0	0.0
31°	3917.6	3885.0	3815.3	3592.5	3181.4	2606.3	1941.6	385.8	15.4	0.0	0.0
32°	3964.7	3935.7	3849.7	3600.7	3165.1	2557.4	1854.7	333.3	12.7	0.0	0.0
33°	3997.3	3961.1	3860.6	3579.8	3118.0	2476.8	1757.8	283.5	10.0	0.0	0.0
34°	4009.1	3965.6	3844.3	3525.5	3022.9	2354.6	1631.9	231.8	8.2	0.0	0.0
35°	3996.4	3943.0	3785.4	3432.2	2894.3	2208.8	1480.7	179.3	6.3	0.0	0.0
36°	3955.7	3887.7	3701.2	3299.1	2710.5	2036.7	1329.4	139.5	4.5	0.0	0.0
37°	3867.8	3792.7	3557.2	3123.4	2528.4	1839.3	1157.4	108.7	2.7	0.0	0.0
38°	3760.1	3651.4	3365.2	2901.5	2293.0	1617.4	987.1	89.7	1.8	0.0	0.0
39°	3576.2	3456.7	3137.0	2646.2	2062.1	1406.4	821.4	77.9	0.9	0.0	0.0
40°	3354.3	3212.2	2876.2	2372.7	1789.5	1185.4	685.5	65.2	0.9	0.0	0.0
42.5°	2530.2	2409.8	2048.5	1613.8	1094.0	699.1	380.4	42.6	0.0	0.0	0.0
45°	1581.2	1455.3	1210.8	884.8	592.3	362.2	182.9	24.5	0.0	0.0	0.0
47.5°	645.7	592.3	487.2	374.9	268.1	170.3	76.1	10.9	0.0	0.0	0.0
50°	221.9	197.4	165.7	121.4	86.0	58.9	39.8	2.7	0.0	0.0	0.0
52.5°	64.3	65.2	57.1	48.9	38.0	27.2	19.9	0.0	0.0	0.0	0.0
55°	11.8	10.0	11.8	10.9	11.8	10.0	7.2	0.0	0.0	0.9	0.0
57.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	0.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8	0.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8	0.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.7	0.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.7	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.7	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.7	0.9



TEST NUMBER: P1315614
CATALOG NUMBER: LDSQA3D13R309735DE010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.7	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.7	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.7	0.9
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: P1315614
CATALOG NUMBER: LDSQA3D13R309735DE010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	51.6	51.6	51.6
2.5°	33.5	29.9	28.1
5°	19.0	14.5	13.6
7.5°	10.0	6.3	5.4
10°	3.6	0.9	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



TEST NUMBER: P1315614
CATALOG NUMBER: LDSQA3D13R309735DE010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.0	0.0	0.0
85°	0.0	0.0	0.0
87.5°	0.0	0.0	0.0
90°	0.0	0.0	0.0

(END OF REPORT)