

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: P1318427

Luminaire Tested: LDSQA3D13R659830DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R659830DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

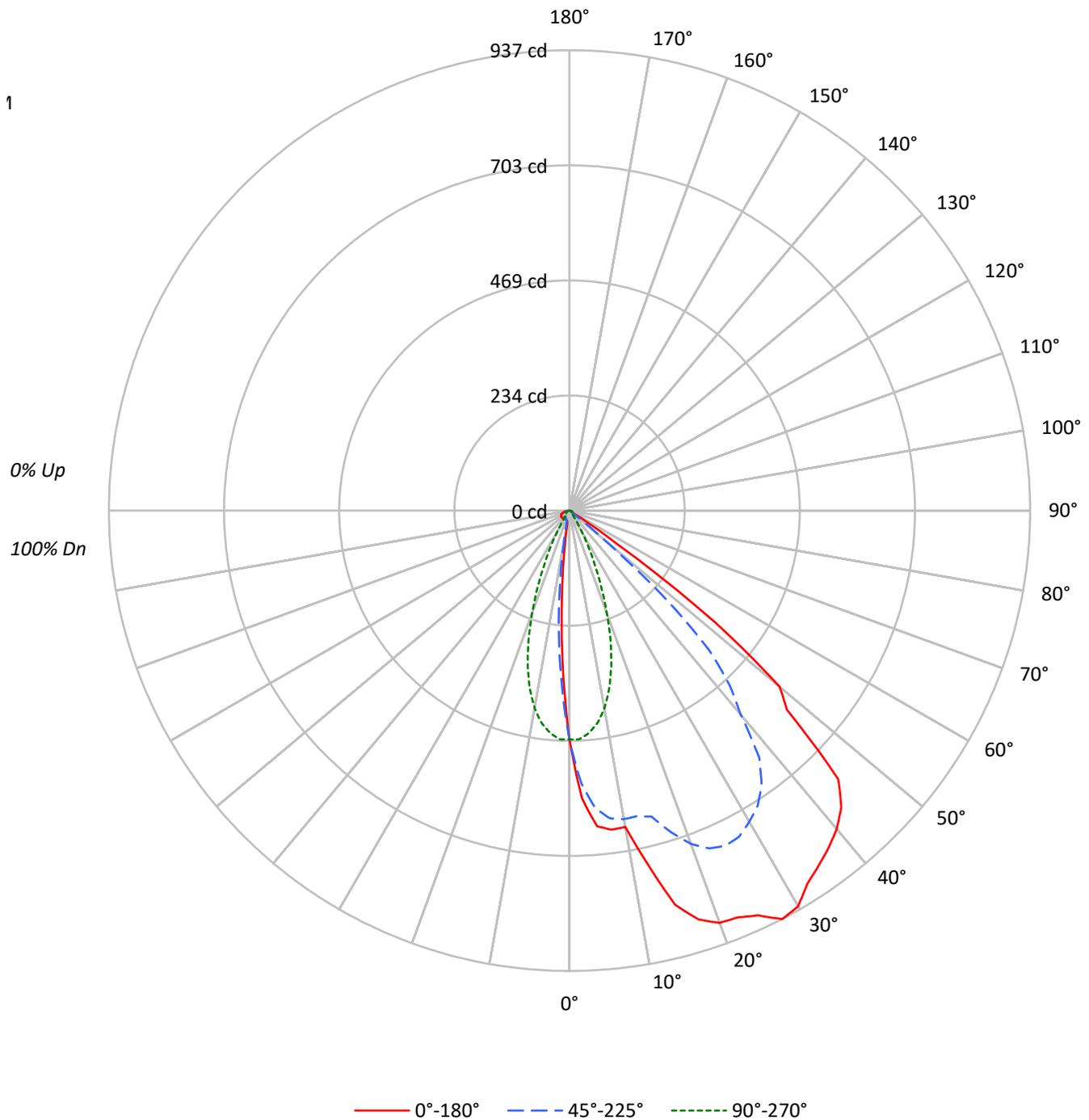
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 698.0 lumens
Efficiency: N/A
Efficacy: 48.1 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
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

TEST NUMBER: P1318427
CATALOG NUMBER: LDSQA3D13R659830DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1318427

CATALOG NUMBER: LDSQA3D13R659830DE010 3LSQCA30R 1MW

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	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	80204	80204	80204	80204	80204
5°	111473	105215	78505	43134	30341
10°	114301	111503	71421	12049	4442
15°	148076	114967	58464	3887	3744
20°	163647	132270	40687	3464	3592
25°	172715	142938	23012	3306	3592
30°	184925	145411	10381	3321	3759
35°	185604	143198	3364	3511	4121
40°	190153	121650	2293	3755	4564
45°	188320	98057	2289	4067	4944
50°	149452	23122	2331	4474	5627
55°	35491	1321	2402	5014	6305
60°	1240	1516	2756	5236	6751
65°	1467	1467	2649	5624	7376
70°	1108	1460	2568	5489	7654
75°	998	1464	2396	5789	7719
80°	694	1488	2876	5752	7934
85°	1383	2964	2964	5730	7114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 188686 cd/sqm



TEST NUMBER: P1318427

CATALOG NUMBER: LDSQA3D13R659830DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.9	5.6
10°-20°	102.3	14.7
20°-30°	160.8	23.0
30°-40°	183.9	26.3
40°-50°	147.8	21.2
50°-60°	48.1	6.9
60°-70°	8.5	1.2
70°-80°	5.6	0.8
80°-90°	2.0	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°	302.0	43.3
0°-40°	485.9	69.6
0°-60°	681.8	97.7
0°-90°	698.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	698.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	466	466	466	466	466	
5°	645	609	454	250	176	61
15°	830	645	328	22	21	231
25°	909	752	121	17	19	423
35°	883	681	16	17	20	554
45°	773	403	9	17	20	556
55°	118	4	8	17	21	169
65°	4	4	6	14	18	3
75°	2	2	4	9	12	2
85°	1	2	2	3	4	0
90°	0	0	0	0	0	



TEST NUMBER: P1318427

CATALOG NUMBER: LDSQA3D13R659830DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7
2.5°	586.1	583.9	586.8	581.7	581.0	575.9	573.0	571.6	565.1	556.4	548.4
5°	644.8	636.1	638.3	637.6	634.0	631.8	628.9	625.3	616.6	608.6	598.4
7.5°	655.0	647.7	649.2	649.9	647.7	647.0	646.3	644.8	639.0	631.8	623.1
10°	653.6	646.3	645.6	643.4	641.2	641.9	641.9	641.9	640.5	637.6	634.7
12.5°	737.7	727.5	725.4	710.1	696.3	672.4	657.2	642.7	636.1	636.9	634.7
15°	830.5	829.8	822.6	808.1	784.8	763.1	728.3	702.2	668.8	644.8	634.7
17.5°	872.6	871.9	865.4	853.0	836.3	816.0	790.6	760.2	723.2	686.2	655.7
20°	892.9	898.0	890.7	880.6	864.6	845.8	821.8	794.3	759.5	721.7	685.5
22.5°	895.8	902.4	895.8	888.6	877.0	864.6	844.3	816.0	780.5	744.2	708.7
25°	908.9	911.1	897.3	887.8	877.0	868.3	852.3	827.6	791.4	752.2	717.4
27.5°	937.2	927.7	898.7	885.7	875.5	867.5	852.3	826.9	787.7	747.9	711.6
30°	929.9	926.3	900.9	888.6	879.9	871.9	853.0	820.4	773.2	731.2	693.4
32.5°	900.2	907.4	898.7	894.4	890.0	879.9	852.3	808.1	755.1	712.3	661.5
35°	882.8	891.5	892.2	892.2	887.1	871.9	839.2	789.9	737.0	681.1	612.9
37.5°	865.4	872.6	877.0	879.9	872.6	850.9	809.5	765.3	707.2	634.0	514.3
40°	845.8	850.9	854.5	855.9	845.0	816.8	779.0	729.0	663.7	541.1	459.2
42.5°	818.2	821.1	820.4	819.7	808.1	776.9	741.3	689.1	560.0	482.4	383.0
45°	773.2	770.3	774.7	774.7	759.5	736.2	689.1	587.5	501.2	402.6	246.6
47.5°	599.2	601.3	622.4	656.5	677.5	671.0	607.1	514.3	421.4	264.0	82.0
50°	557.8	555.6	556.4	560.0	562.2	544.0	498.3	434.5	278.5	86.3	5.8
52.5°	374.3	376.5	393.1	431.6	443.9	430.9	387.3	290.1	101.6	5.8	5.1
55°	118.2	126.2	135.6	156.0	191.5	214.0	209.6	103.0	6.5	4.4	5.1
57.5°	4.4	4.4	5.8	10.2	19.6	31.9	33.4	6.5	5.1	5.1	5.1
60°	3.6	3.6	3.6	3.6	3.6	3.6	4.4	4.4	4.4	4.4	4.4
62.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.4	4.4	4.4	4.4
65°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.4
67.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.6	3.6	3.6	3.6
70°	2.2	2.2	2.2	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.6
72.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.9	2.9	2.9
75°	1.5	1.5	1.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2
80°	0.7	0.7	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	1.5
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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: P1318427

CATALOG NUMBER: LDSQA3D13R659830DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	465.7	465.7	465.7	465.7	465.7	465.7	465.7	465.7
2.5°	544.0	535.3	517.9	465.7	411.3	356.9	322.8	314.1
5°	586.8	576.7	552.0	454.1	343.8	249.5	195.8	175.5
7.5°	612.9	600.6	571.6	435.9	267.7	145.1	87.0	69.6
10°	624.5	613.7	581.0	408.4	193.7	68.9	30.5	25.4
12.5°	629.6	620.9	584.6	372.1	126.2	30.5	22.5	21.8
15°	631.8	622.4	583.2	327.9	71.8	21.8	21.0	21.0
17.5°	634.0	623.1	574.5	277.1	39.9	20.3	19.6	20.3
20°	651.4	620.2	559.3	222.0	26.1	18.9	18.9	19.6
22.5°	668.8	619.5	532.4	169.7	20.3	18.1	18.9	18.9
25°	674.6	612.2	498.3	121.1	17.4	17.4	18.1	18.9
27.5°	663.7	591.2	452.6	82.0	15.2	17.4	18.1	18.9
30°	638.3	555.6	397.5	52.2	14.5	16.7	18.1	18.9
32.5°	591.2	485.3	335.8	31.2	13.8	16.7	18.9	18.9
35°	496.9	406.9	266.2	16.0	13.8	16.7	18.9	19.6
37.5°	434.5	339.5	185.7	10.9	13.8	16.7	18.9	19.6
40°	360.5	245.2	77.6	10.2	13.8	16.7	18.9	20.3
42.5°	249.5	106.6	12.3	9.4	13.1	16.7	19.6	20.3
45°	89.9	13.8	5.8	9.4	13.1	16.7	19.6	20.3
47.5°	8.0	5.1	5.8	9.4	13.1	16.7	19.6	21.0
50°	5.1	5.1	5.1	8.7	13.1	16.7	19.6	21.0
52.5°	5.1	5.1	5.1	8.7	12.3	16.7	20.3	21.0
55°	5.1	5.1	5.1	8.0	12.3	16.7	19.6	21.0
57.5°	5.1	5.1	5.8	8.0	12.3	16.0	19.6	20.3
60°	5.1	5.1	5.1	8.0	11.6	15.2	18.9	19.6
62.5°	4.4	5.1	5.1	7.3	10.9	14.5	18.1	18.9
65°	4.4	4.4	5.1	6.5	10.2	13.8	16.7	18.1
67.5°	3.6	4.4	4.4	5.8	8.7	12.3	15.2	16.7
70°	3.6	3.6	3.6	5.1	8.0	10.9	14.5	15.2
72.5°	2.9	3.6	3.6	4.4	6.5	9.4	12.3	13.8
75°	2.9	2.9	2.9	3.6	5.8	8.7	10.9	11.6
77.5°	2.2	2.2	2.9	2.9	5.1	6.5	9.4	10.2
80°	2.2	2.2	2.2	2.9	3.6	5.8	7.3	8.0
82.5°	1.5	1.5	1.5	2.2	2.9	3.6	5.1	5.8
85°	1.5	1.5	1.5	1.5	2.2	2.9	3.6	3.6
87.5°	0.7	0.7	0.7	1.5	1.5	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)