

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: P1320179

Luminaire Tested: LDSQA3D13R659840DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320179
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: LDSQA3D13R659840DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

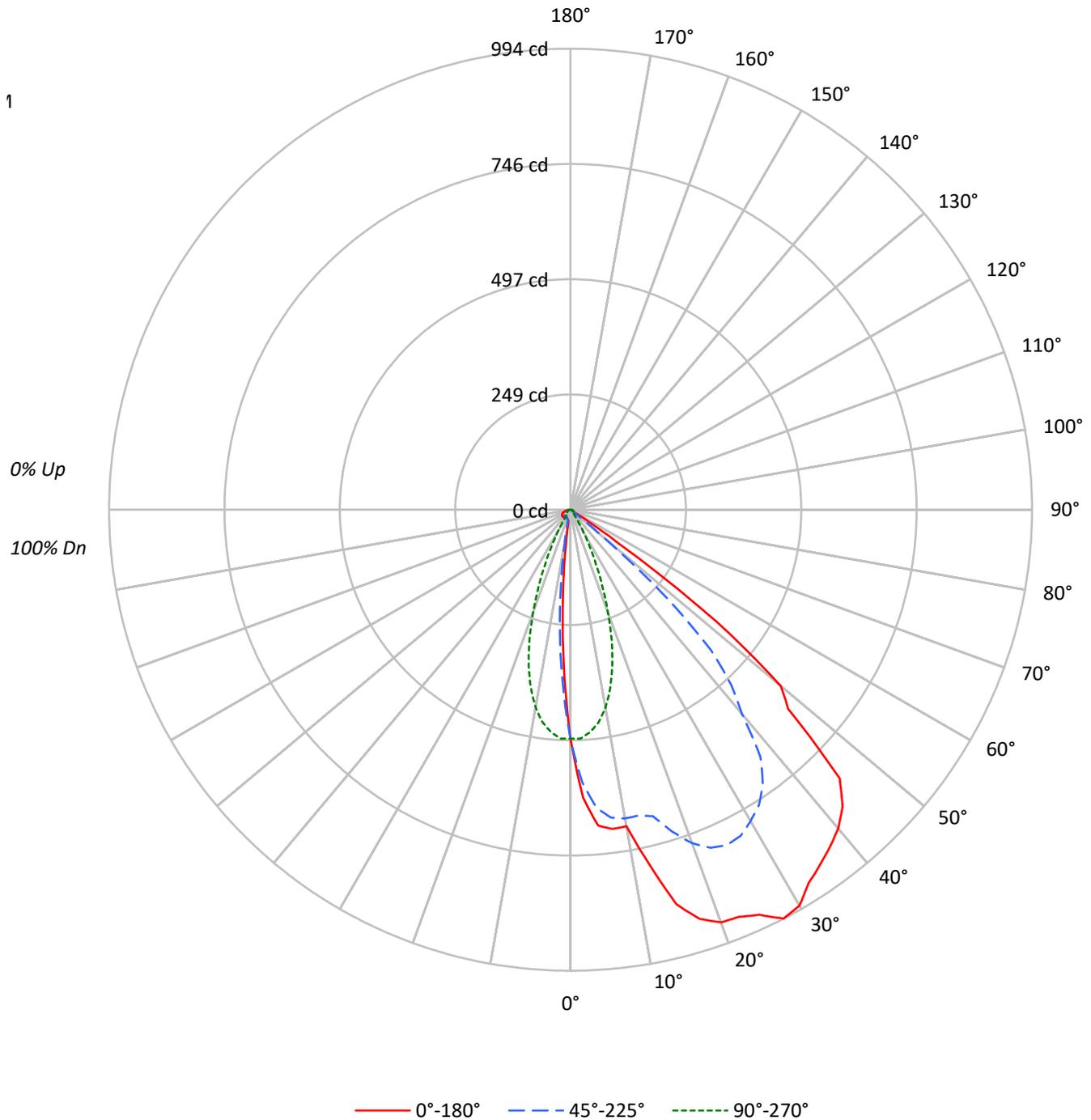
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 740.0 lumens
Efficiency: N/A
Efficacy: 51.0 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 (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

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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	112	109	106	103	110	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°	85026	85026	85026	85026	85026
5°	118198	111543	83225	45727	32173
10°	121174	118219	75723	12784	4704
15°	156991	121902	61976	4119	3976
20°	173507	140242	43125	3666	3812
25°	183110	151546	24399	3515	3801
30°	196062	154161	11017	3520	3977
35°	196768	151818	3553	3721	4373
40°	201597	128980	2428	3979	4834
45°	199670	103951	2436	4311	5237
50°	158454	24516	2465	4742	5975
55°	37623	1381	2552	5315	6696
60°	1309	1584	2928	5546	7164
65°	1549	1549	2812	5950	7824
70°	1158	1561	2719	5791	8107
75°	998	1530	2529	6122	8185
80°	793	1488	3075	6149	8430
85°	1581	2964	2964	6126	7509

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 200035 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	5.6
10°-20°	108.5	14.7
20°-30°	170.4	23.0
30°-40°	195.0	26.3
40°-50°	156.7	21.2
50°-60°	51.0	6.9
60°-70°	9.0	1.2
70°-80°	6.0	0.8
80°-90°	2.1	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°	320.1	43.3
0°-40°	515.1	69.6
0°-60°	722.8	97.7
0°-90°	740.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	740.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	494	494	494	494	494	
5°	684	645	481	264	186	65
15°	880	684	348	23	22	245
25°	964	798	128	18	20	449
35°	936	722	17	18	21	588
45°	820	427	10	18	22	590
55°	125	5	8	18	22	179
65°	4	4	7	15	19	3
75°	2	2	4	9	12	2
85°	1	2	2	3	4	1
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°	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7
2.5°	621.4	619.1	622.1	616.7	616.0	610.6	607.5	606.0	599.1	589.8	581.4
5°	683.7	674.4	676.7	676.0	672.1	669.8	666.7	662.9	653.7	645.2	634.4
7.5°	694.4	686.7	688.3	689.0	686.7	686.0	685.2	683.7	677.5	669.8	660.6
10°	692.9	685.2	684.4	682.1	679.8	680.6	680.6	680.6	679.0	676.0	672.9
12.5°	782.1	771.3	769.0	752.9	738.2	712.9	696.7	681.3	674.4	675.2	672.9
15°	880.5	879.7	872.1	856.7	832.1	809.0	772.1	744.4	709.0	683.7	672.9
17.5°	925.1	924.4	917.4	904.4	886.7	865.1	838.2	805.9	766.7	727.5	695.2
20°	946.7	952.0	944.3	933.6	916.7	896.7	871.3	842.1	805.2	765.2	726.7
22.5°	949.7	956.6	949.7	942.0	929.7	916.7	895.1	865.1	827.5	789.0	751.3
25°	963.6	965.9	951.3	941.3	929.7	920.5	903.6	877.4	839.0	797.5	760.6
27.5°	993.6	983.6	952.8	939.0	928.2	919.7	903.6	876.7	835.1	792.8	754.4
30°	985.9	982.0	955.1	942.0	932.8	924.4	904.4	869.8	819.8	775.2	735.2
32.5°	954.3	962.0	952.8	948.2	943.6	932.8	903.6	856.7	800.5	755.2	701.3
35°	935.9	945.1	945.9	945.9	940.5	924.4	889.7	837.5	781.3	722.1	649.8
37.5°	917.4	925.1	929.7	932.8	925.1	902.0	858.2	811.3	749.8	672.1	545.2
40°	896.7	902.0	905.9	907.4	895.9	865.9	825.9	772.9	703.6	573.7	486.8
42.5°	867.4	870.5	869.8	869.0	856.7	823.6	785.9	730.6	593.7	511.4	406.0
45°	819.8	816.7	821.3	821.3	805.2	780.5	730.6	622.9	531.4	426.8	261.5
47.5°	635.2	637.5	659.8	696.0	718.3	711.3	643.7	545.2	446.8	279.9	86.9
50°	591.4	589.1	589.8	593.7	596.0	576.8	528.3	460.6	295.3	91.5	6.2
52.5°	396.8	399.1	416.8	457.6	470.6	456.8	410.7	307.6	107.7	6.2	5.4
55°	125.3	133.8	143.8	165.3	203.0	226.9	222.2	109.2	6.9	4.6	5.4
57.5°	4.6	4.6	6.2	10.8	20.8	33.8	35.4	6.9	5.4	5.4	5.4
60°	3.8	3.8	3.8	3.8	3.8	3.8	4.6	4.6	4.6	4.6	4.6
62.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.6	4.6	4.6	4.6
65°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.6
67.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.8	3.8	3.8	3.8
70°	2.3	2.3	2.3	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.8
72.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.1	3.1	3.1
75°	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3
80°	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	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	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°	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7
2.5°	576.8	567.5	549.1	493.7	436.0	378.4	342.2	333.0
5°	622.1	611.4	585.2	481.4	364.5	264.5	207.6	186.1
7.5°	649.8	636.7	606.0	462.2	283.8	153.8	92.3	73.8
10°	662.1	650.6	616.0	433.0	205.3	73.1	32.3	26.9
12.5°	667.5	658.3	619.8	394.5	133.8	32.3	23.8	23.1
15°	669.8	659.8	618.3	347.6	76.1	23.1	22.3	22.3
17.5°	672.1	660.6	609.1	293.8	42.3	21.5	20.8	21.5
20°	690.6	657.5	592.9	235.3	27.7	20.0	20.0	20.8
22.5°	709.0	656.7	564.5	179.9	21.5	19.2	20.0	20.0
25°	715.2	649.0	528.3	128.4	18.5	18.5	19.2	20.0
27.5°	703.6	626.7	479.9	86.9	16.1	18.5	19.2	20.0
30°	676.7	589.1	421.4	55.4	15.4	17.7	19.2	20.0
32.5°	626.7	514.5	356.1	33.1	14.6	17.7	20.0	20.0
35°	526.8	431.4	282.2	16.9	14.6	17.7	20.0	20.8
37.5°	460.6	359.9	196.9	11.5	14.6	17.7	20.0	20.8
40°	382.2	259.9	82.3	10.8	14.6	17.7	20.0	21.5
42.5°	264.5	113.0	13.1	10.0	13.8	17.7	20.8	21.5
45°	95.4	14.6	6.2	10.0	13.8	17.7	20.8	21.5
47.5°	8.5	5.4	6.2	10.0	13.8	17.7	20.8	22.3
50°	5.4	5.4	5.4	9.2	13.8	17.7	20.8	22.3
52.5°	5.4	5.4	5.4	9.2	13.1	17.7	21.5	22.3
55°	5.4	5.4	5.4	8.5	13.1	17.7	20.8	22.3
57.5°	5.4	5.4	6.2	8.5	13.1	16.9	20.8	21.5
60°	5.4	5.4	5.4	8.5	12.3	16.1	20.0	20.8
62.5°	4.6	5.4	5.4	7.7	11.5	15.4	19.2	20.0
65°	4.6	4.6	5.4	6.9	10.8	14.6	17.7	19.2
67.5°	3.8	4.6	4.6	6.2	9.2	13.1	16.1	17.7
70°	3.8	3.8	3.8	5.4	8.5	11.5	15.4	16.1
72.5°	3.1	3.8	3.8	4.6	6.9	10.0	13.1	14.6
75°	3.1	3.1	3.1	3.8	6.2	9.2	11.5	12.3
77.5°	2.3	2.3	3.1	3.1	5.4	6.9	10.0	10.8
80°	2.3	2.3	2.3	3.1	3.8	6.2	7.7	8.5
82.5°	1.5	1.5	1.5	2.3	3.1	3.8	5.4	6.2
85°	1.5	1.5	1.5	1.5	2.3	3.1	3.8	3.8
87.5°	0.8	0.8	0.8	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)