

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: P1318536

Luminaire Tested: LDSQA3D17R409830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318536
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R409830DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

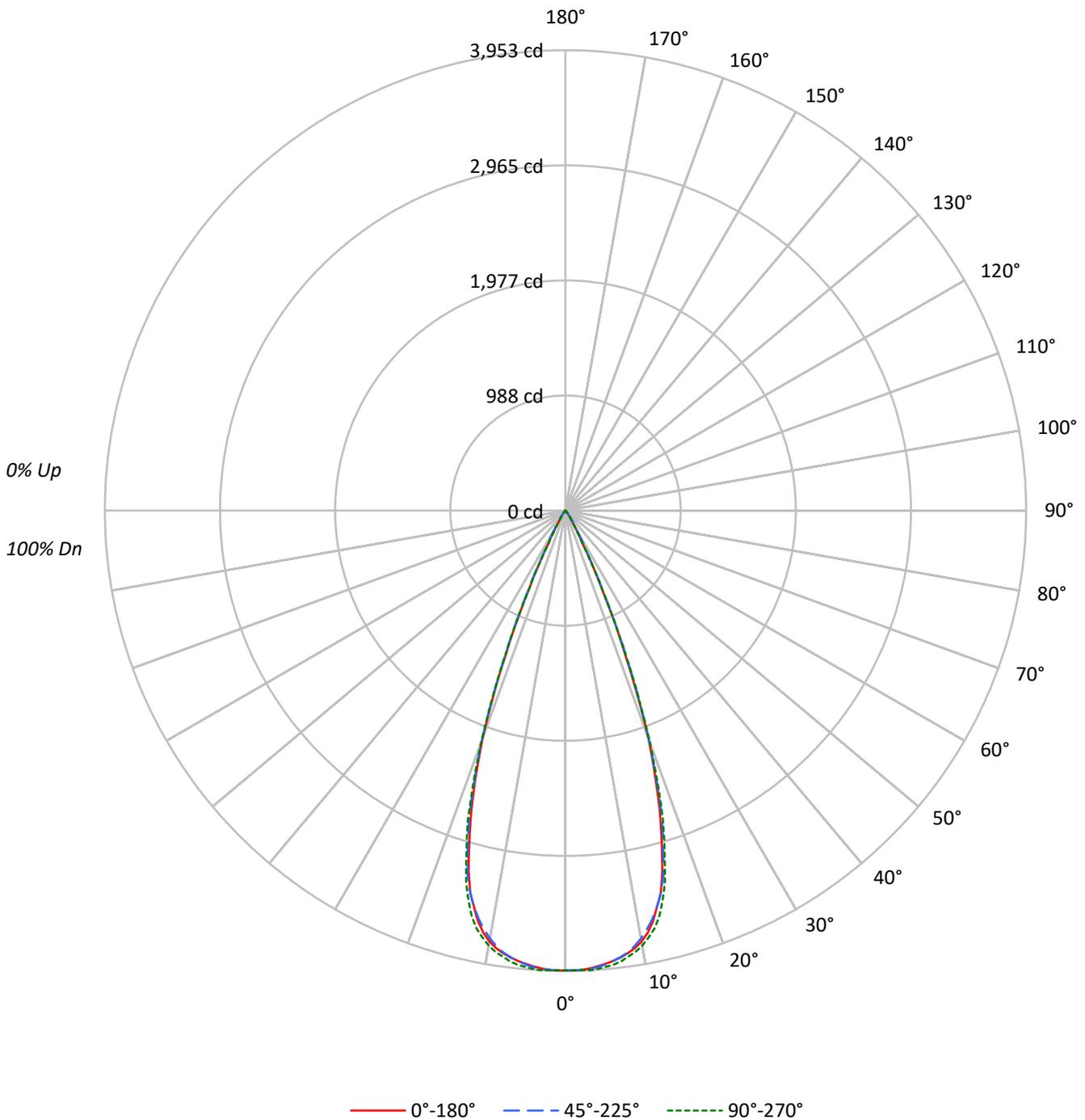
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1671.1 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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: P1318536
CATALOG NUMBER: LDSQA3D17R409830DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1318536

CATALOG NUMBER: LDSQA3D17R409830DE010 3LSQCDR1MW

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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	69	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	679969	679969	679969
5°	675461	676481	680129
10°	657179	652248	663125
15°	572604	578470	587474
20°	381396	383339	387005
25°	138662	142900	139328
30°	29452	39495	29452
35°	10386	17534	9882
40°	3710	5553	3710
45°	852	2289	852
50°	643	938	643
55°	721	721	721
60°	827	827	827
65°	489	978	489
70°	604	604	604
75°	799	799	799
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2289 cd/sqm



TEST NUMBER: P1318536

CATALOG NUMBER: LDSQA3D17R409830DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.9	22.1
10°-20°	859.8	51.4
20°-30°	386.9	23.2
30°-40°	44.0	2.6
40°-50°	6.3	0.4
50°-60°	2.2	0.1
60°-70°	1.9	0.1
70°-80°	1.1	0.1
80°-90°	0.0	0.0
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°	1615.6	96.7
0°-40°	1659.7	99.3
0°-60°	1668.2	99.8
0°-90°	1671.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1671.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3948	3948	3948	3948	3948	
5°	3907	3902	3913	3931	3934	369
15°	3212	3220	3244	3270	3295	853
25°	730	734	752	752	733	378
35°	49	55	83	53	47	37
45°	4	6	9	6	4	5
55°	2	2	2	2	2	2
65°	1	2	2	2	1	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1318536

CATALOG NUMBER: LDSQA3D17R409830DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3948.2	3948.2	3948.2	3948.2	3948.2
1°	3950.6	3947.1	3945.9	3952.9	3947.1
2°	3947.1	3944.7	3945.9	3952.9	3948.2
3°	3936.5	3937.7	3941.2	3954.1	3952.9
4°	3923.6	3922.4	3929.4	3945.9	3945.9
5°	3907.1	3902.4	3913.0	3930.6	3934.1
6°	3888.3	3882.4	3890.6	3913.0	3921.2
7°	3867.1	3855.4	3862.4	3889.5	3900.1
8°	3838.9	3823.7	3831.9	3858.9	3867.1
9°	3803.7	3780.2	3787.2	3820.1	3836.6
10°	3757.9	3728.5	3729.7	3766.1	3791.9
11°	3693.2	3660.3	3661.5	3707.3	3734.4
12°	3607.5	3578.1	3584.0	3626.3	3669.7
13°	3491.1	3482.9	3490.0	3535.8	3575.7
14°	3378.3	3370.1	3383.0	3425.3	3444.1
15°	3211.5	3219.7	3244.4	3270.2	3294.9
17.5°	2682.7	2714.4	2743.8	2761.4	2782.6
20°	2081.0	2044.6	2091.6	2070.5	2111.6
22.5°	1343.1	1370.1	1381.9	1370.1	1374.8
25°	729.7	734.4	752.0	752.0	733.2
27.5°	310.2	334.9	357.2	349.0	310.2
30°	148.1	170.4	198.6	171.6	148.1
32.5°	83.4	98.7	128.1	96.4	81.1
35°	49.4	55.2	83.4	52.9	47.0
37.5°	29.4	30.6	45.8	31.7	28.2
40°	16.5	20.0	24.7	20.0	16.5
42.5°	8.2	11.8	15.3	11.8	8.2
45°	3.5	5.9	9.4	5.9	3.5
47.5°	3.5	3.5	5.9	3.5	3.5
50°	2.4	2.4	3.5	2.4	2.4
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	2.4
60°	2.4	2.4	2.4	2.4	2.4
62.5°	2.4	2.4	2.4	2.4	2.4
65°	1.2	2.4	2.4	2.4	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1318536

CATALOG NUMBER: LDSQA3D17R409830DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)