

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: P1319412

Luminaire Tested: LDSQA3D17R409835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319412
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: LDSQA3D17R409835DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

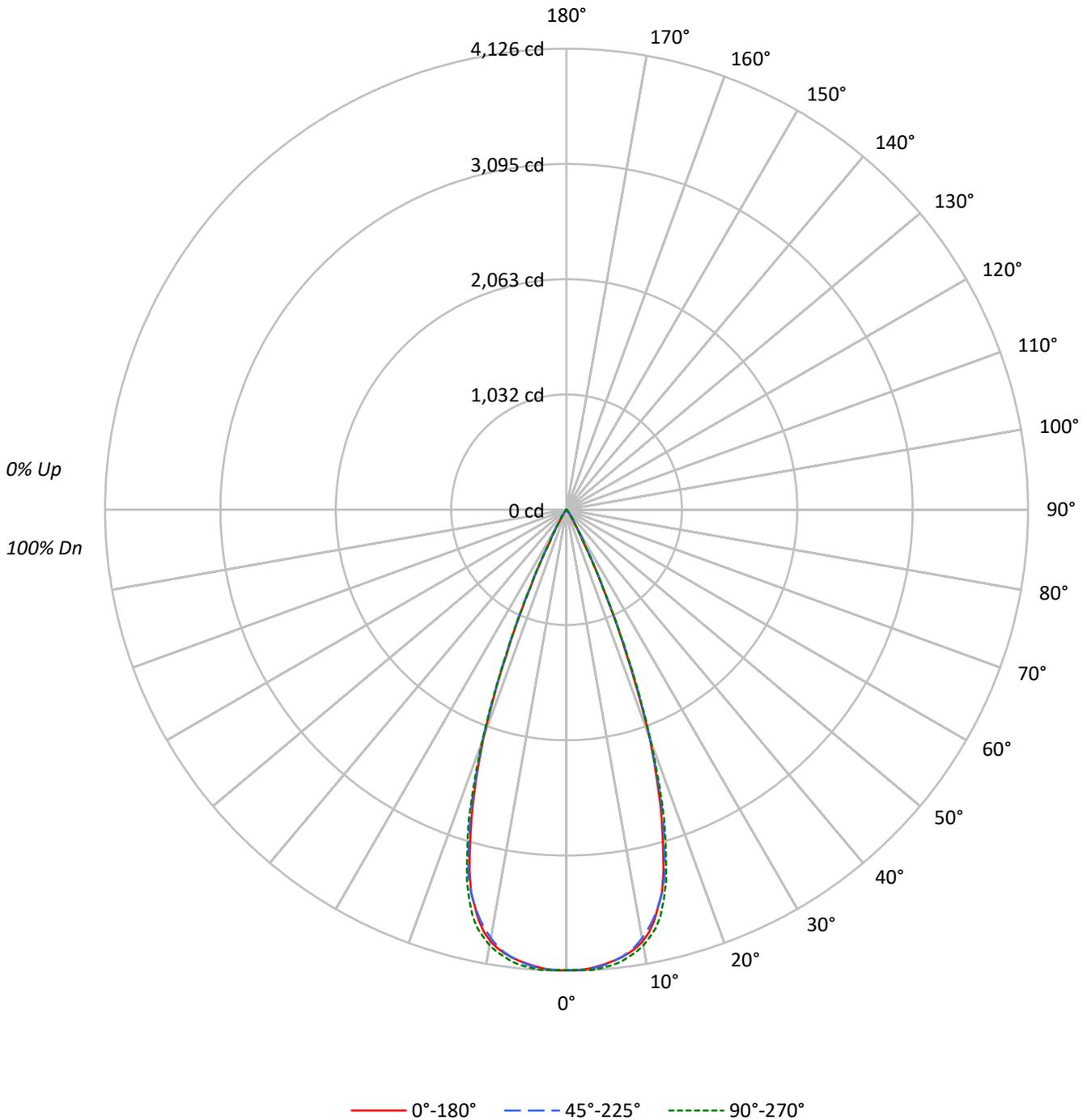
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1744.0 lumens
Efficiency: N/A
Efficacy: 85.5 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: P1319412
CATALOG NUMBER: LDSQA3D17R409835DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1319412

CATALOG NUMBER: LDSQA3D17R409835DE010 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	70	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	709678	709678	709678
5°	704972	706027	709847
10°	685877	680736	692103
15°	597619	603735	613131
20°	398074	400090	403903
25°	144724	149152	145427
30°	30725	41225	30725
35°	10828	18312	10323
40°	3867	5800	3867
45°	901	2387	901
50°	670	991	670
55°	751	751	751
60°	861	861	861
65°	489	1019	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: 2387 cd/sqm



TEST NUMBER: P1319412

CATALOG NUMBER: LDSQA3D17R409835DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.0	22.1
10°-20°	897.3	51.5
20°-30°	403.8	23.2
30°-40°	46.0	2.6
40°-50°	6.6	0.4
50°-60°	2.3	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°	1686.2	96.7
0°-40°	1732.2	99.3
0°-60°	1741.0	99.8
0°-90°	1744.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1744.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4121	4121	4121	4121	4121	
5°	4078	4073	4084	4102	4106	385
15°	3352	3360	3386	3413	3439	890
25°	762	766	785	785	765	394
35°	52	58	87	55	49	39
45°	4	6	10	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: P1319412

CATALOG NUMBER: LDSQA3D17R409835DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4120.7	4120.7	4120.7	4120.7	4120.7
1°	4123.2	4119.5	4118.3	4125.6	4119.5
2°	4119.5	4117.0	4118.3	4125.6	4120.7
3°	4108.4	4109.7	4113.4	4126.8	4125.6
4°	4095.0	4093.7	4101.1	4118.3	4118.3
5°	4077.8	4072.9	4083.9	4102.3	4106.0
6°	4058.2	4052.0	4060.6	4083.9	4092.5
7°	4036.1	4023.8	4031.2	4059.4	4070.4
8°	4006.7	3990.7	3999.3	4027.5	4036.1
9°	3969.9	3945.3	3952.7	3987.0	4004.2
10°	3922.0	3891.4	3892.6	3930.6	3957.6
11°	3854.6	3820.2	3821.5	3869.3	3897.5
12°	3765.1	3734.4	3740.5	3784.7	3830.1
13°	3643.6	3635.1	3642.4	3690.2	3731.9
14°	3525.9	3517.3	3530.8	3575.0	3594.6
15°	3351.8	3360.3	3386.1	3413.1	3438.8
17.5°	2799.9	2833.0	2863.6	2882.0	2904.1
20°	2172.0	2133.9	2183.0	2160.9	2203.8
22.5°	1401.8	1430.0	1442.2	1430.0	1434.9
25°	761.6	766.5	784.9	784.9	765.3
27.5°	323.8	349.5	372.8	364.2	323.8
30°	154.5	177.8	207.3	179.1	154.5
32.5°	87.1	103.0	133.7	100.6	84.6
35°	51.5	57.6	87.1	55.2	49.1
37.5°	30.7	31.9	47.8	33.1	29.4
40°	17.2	20.8	25.8	20.8	17.2
42.5°	8.6	12.3	15.9	12.3	8.6
45°	3.7	6.1	9.8	6.1	3.7
47.5°	3.7	3.7	6.1	3.7	3.7
50°	2.5	2.5	3.7	2.5	2.5
52.5°	2.5	2.5	2.5	2.5	2.5
55°	2.5	2.5	2.5	2.5	2.5
57.5°	2.5	2.5	2.5	2.5	2.5
60°	2.5	2.5	2.5	2.5	2.5
62.5°	2.5	2.5	2.5	2.5	2.5
65°	1.2	2.5	2.5	2.5	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: P1319412
CATALOG NUMBER: LDSQA3D17R409835DE010 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)