

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: P1320288

Luminaire Tested: LDSQA3D17R409840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320288
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: LDSQA3D17R409840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

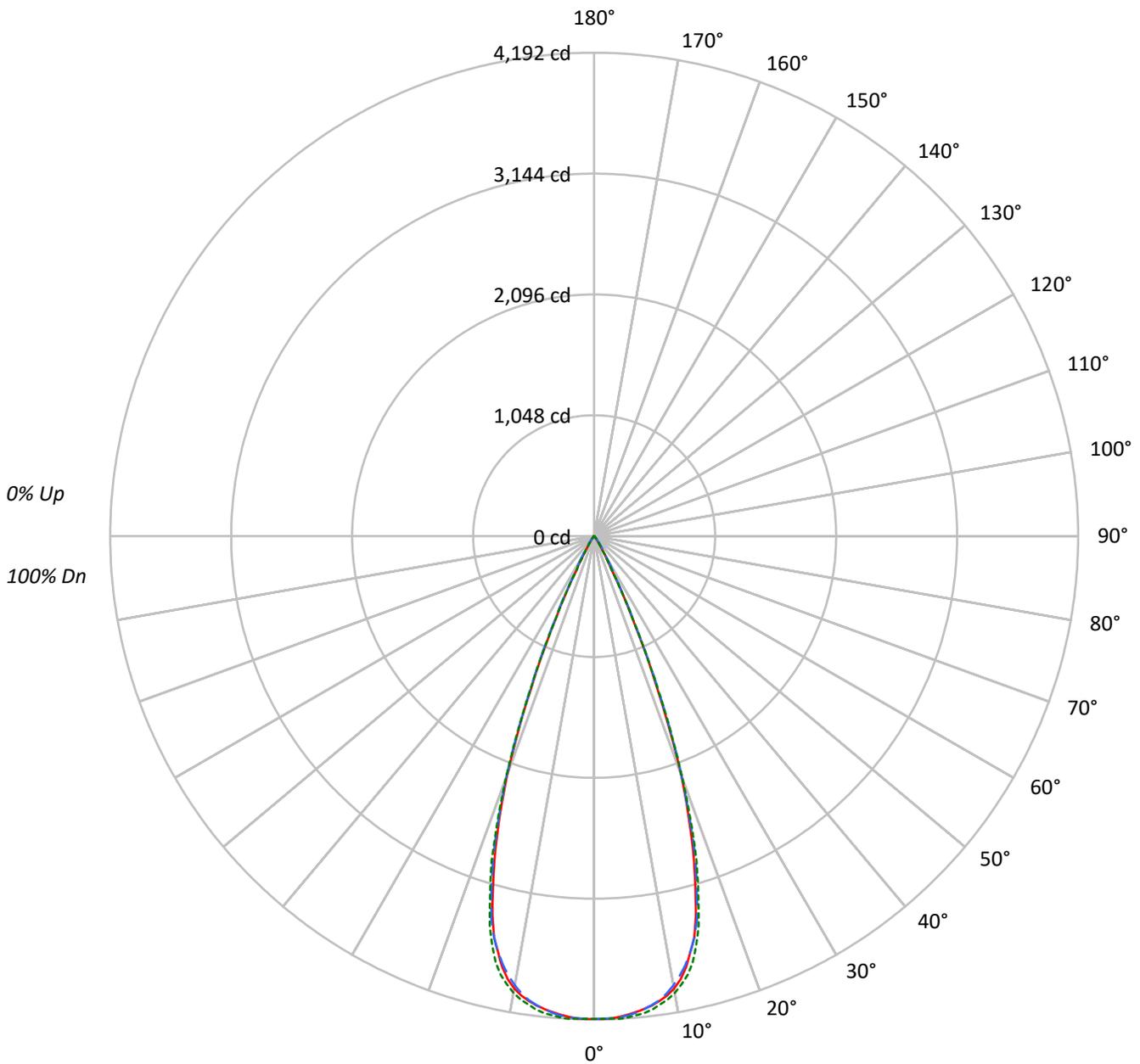
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1771.9 lumens
Efficiency: N/A
Efficacy: 86.9 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: P1320288
CATALOG NUMBER: LDSQA3D17R409840DE010 3LSQCDR1MW

Luminous Intensity Polar Plot



— 0°-180° - - - 45°-225° - · - · 90°-270°



TEST NUMBER: P1320288

CATALOG NUMBER: LDSQA3D17R409840DE010 3LSQCDR1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	721079	721079	721079
5°	716296	717368	721240
10°	696895	691666	703208
15°	607212	613434	622973
20°	404452	406505	410391
25°	147043	151546	147765
30°	31222	41881	31222
35°	10996	18607	10470
40°	3912	5890	3912
45°	901	2436	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: 2436 cd/sqm



TEST NUMBER: P1320288

CATALOG NUMBER: LDSQA3D17R409840DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.2	22.1
10°-20°	911.7	51.5
20°-30°	410.3	23.2
30°-40°	46.7	2.6
40°-50°	6.7	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°	1713.3	96.7
0°-40°	1760.0	99.3
0°-60°	1768.9	99.8
0°-90°	1771.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1771.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4187	4187	4187	4187	4187	
5°	4143	4138	4150	4168	4172	391
15°	3406	3414	3440	3468	3494	904
25°	774	779	798	798	778	401
35°	52	59	88	56	50	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: P1320288

CATALOG NUMBER: LDSQA3D17R409840DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4186.9	4186.9	4186.9	4186.9	4186.9
1°	4189.4	4185.6	4184.4	4191.9	4185.6
2°	4185.6	4183.1	4184.4	4191.9	4186.9
3°	4174.4	4175.7	4179.4	4193.1	4191.9
4°	4160.7	4159.5	4166.9	4184.4	4184.4
5°	4143.3	4138.3	4149.5	4168.2	4171.9
6°	4123.3	4117.1	4125.8	4149.5	4158.2
7°	4100.9	4088.4	4095.9	4124.6	4135.8
8°	4071.0	4054.8	4063.5	4092.2	4100.9
9°	4033.6	4008.7	4016.2	4051.0	4068.5
10°	3985.0	3953.9	3955.1	3993.7	4021.1
11°	3916.5	3881.6	3882.8	3931.4	3960.1
12°	3825.5	3794.4	3800.6	3845.4	3891.5
13°	3702.1	3693.4	3700.9	3749.5	3791.9
14°	3582.5	3573.8	3587.5	3632.4	3652.3
15°	3405.6	3414.3	3440.5	3467.9	3494.0
17.5°	2844.8	2878.5	2909.6	2928.3	2950.7
20°	2206.8	2168.2	2218.0	2195.6	2239.2
22.5°	1424.3	1452.9	1465.4	1452.9	1457.9
25°	773.8	778.8	797.5	797.5	777.6
27.5°	329.0	355.1	378.8	370.1	329.0
30°	157.0	180.7	210.6	181.9	157.0
32.5°	88.5	104.7	135.8	102.2	86.0
35°	52.3	58.6	88.5	56.1	49.8
37.5°	31.2	32.4	48.6	33.6	29.9
40°	17.4	21.2	26.2	21.2	17.4
42.5°	8.7	12.5	16.2	12.5	8.7
45°	3.7	6.2	10.0	6.2	3.7
47.5°	3.7	3.7	6.2	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: P1320288
CATALOG NUMBER: LDSQA3D17R409840DE010 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)