

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: P1308319

Luminaire Tested: LDSQA3D17R409027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308319
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: LDSQA3D17R409027DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

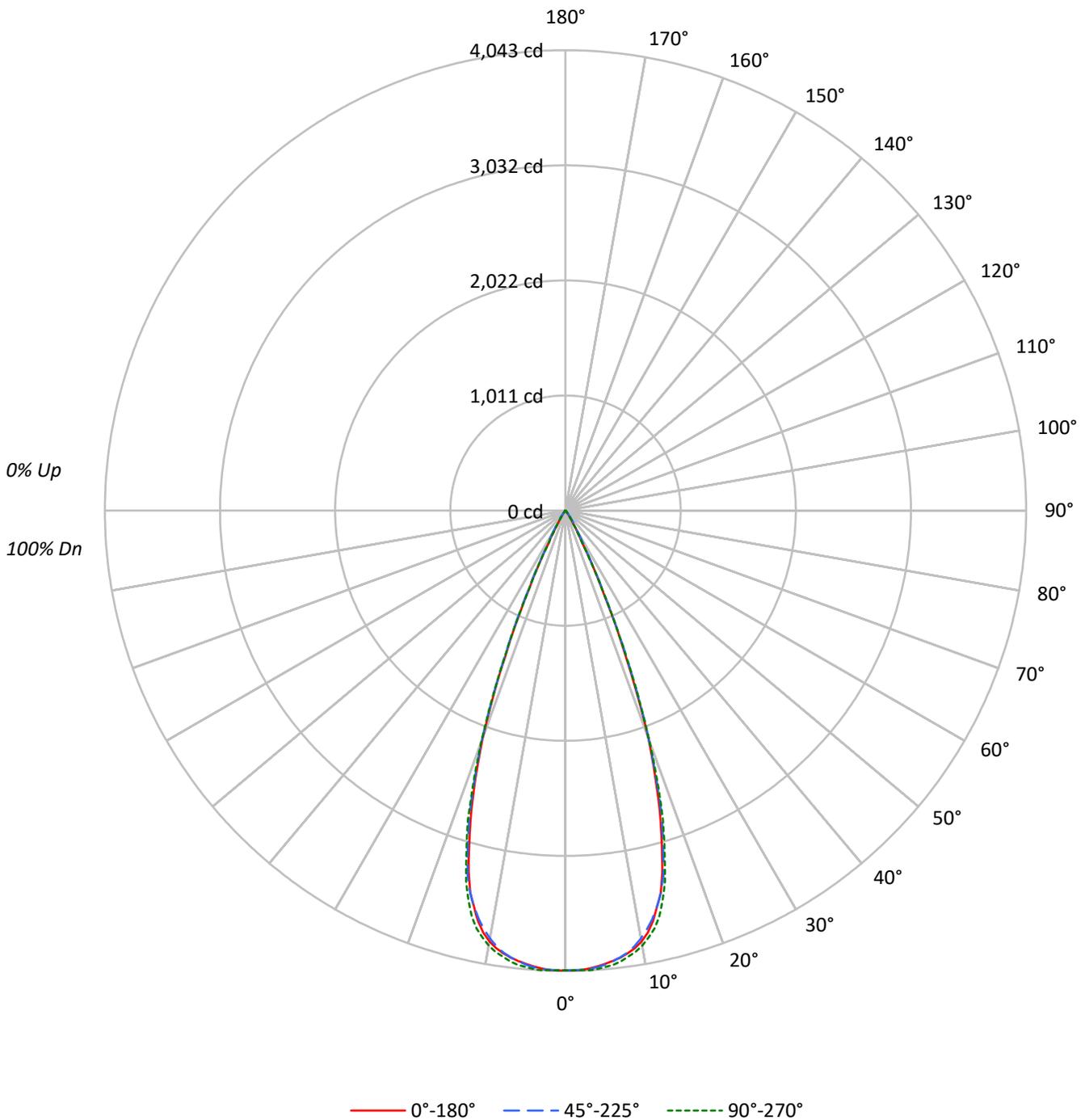
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1709.0 lumens
Efficiency: N/A
Efficacy: 80.6 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): 21.2
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

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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	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°	695435	695435	695435
5°	690830	691868	695602
10°	672114	667078	678217
15°	585620	591611	600829
20°	390084	392063	395802
25°	141817	146150	142501
30°	30108	40390	30108
35°	10617	17934	10113
40°	3777	5665	3777
45°	877	2338	877
50°	643	965	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: 2338 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.3	22.1
10°-20°	879.3	51.5
20°-30°	395.7	23.2
30°-40°	45.0	2.6
40°-50°	6.4	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°	1652.4	96.7
0°-40°	1697.4	99.3
0°-60°	1706.0	99.8
0°-90°	1709.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1709.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4038	4038	4038	4038	4038	
5°	3996	3991	4002	4020	4024	377
15°	3284	3293	3318	3345	3370	872
25°	746	751	769	769	750	386
35°	50	56	85	54	48	38
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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4038.0	4038.0	4038.0	4038.0	4038.0
1°	4040.4	4036.8	4035.6	4042.8	4036.8
2°	4036.8	4034.4	4035.6	4042.8	4038.0
3°	4026.0	4027.2	4030.8	4044.0	4042.8
4°	4012.8	4011.6	4018.8	4035.6	4035.6
5°	3996.0	3991.1	4002.0	4020.0	4023.6
6°	3976.7	3970.7	3979.1	4002.0	4010.4
7°	3955.1	3943.1	3950.3	3977.9	3988.7
8°	3926.2	3910.6	3919.0	3946.7	3955.1
9°	3890.2	3866.2	3873.4	3907.0	3923.8
10°	3843.3	3813.3	3814.5	3851.7	3878.2
11°	3777.2	3743.6	3744.8	3791.6	3819.3
12°	3689.5	3659.5	3665.5	3708.7	3753.2
13°	3570.5	3562.1	3569.3	3616.2	3657.0
14°	3455.1	3446.7	3460.0	3503.2	3522.4
15°	3284.5	3292.9	3318.1	3344.6	3369.8
17.5°	2743.7	2776.1	2806.2	2824.2	2845.8
20°	2128.4	2091.1	2139.2	2117.6	2159.6
22.5°	1373.6	1401.3	1413.3	1401.3	1406.1
25°	746.3	751.1	769.1	769.1	749.9
27.5°	317.3	342.5	365.3	356.9	317.3
30°	151.4	174.3	203.1	175.5	151.4
32.5°	85.3	101.0	131.0	98.5	82.9
35°	50.5	56.5	85.3	54.1	48.1
37.5°	30.0	31.2	46.9	32.4	28.8
40°	16.8	20.4	25.2	20.4	16.8
42.5°	8.4	12.0	15.6	12.0	8.4
45°	3.6	6.0	9.6	6.0	3.6
47.5°	3.6	3.6	6.0	3.6	3.6
50°	2.4	2.4	3.6	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



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)