

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: P1316772

Luminaire Tested: LDSQA3D17R409740DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R409740DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

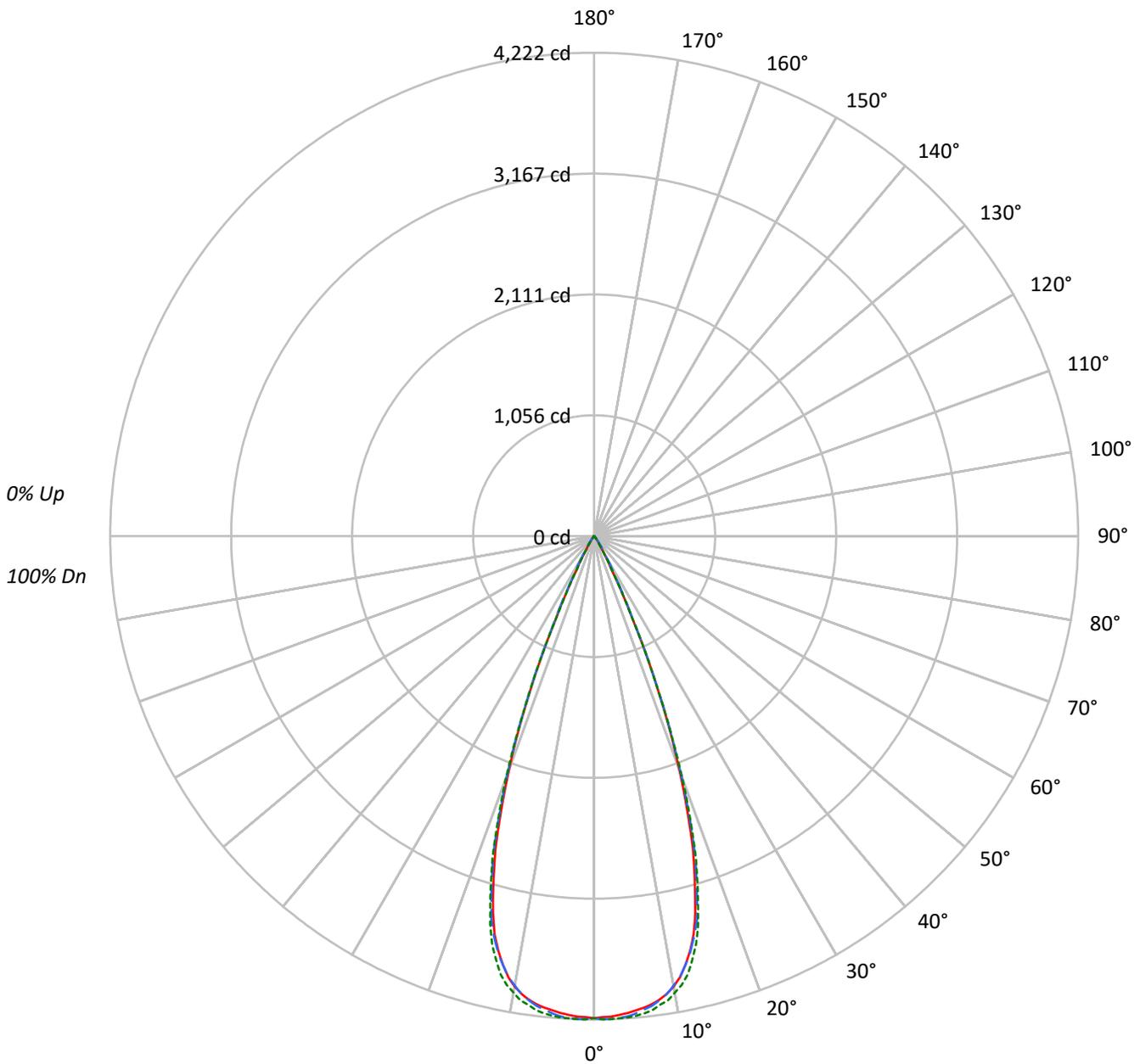
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1771.0 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 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



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



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	725316	725316	725316
5°	719027	723557	727014
10°	698556	697244	708157
15°	607693	617482	625041
20°	398844	406615	411875
25°	142197	150482	141475
30°	31003	41921	31242
35°	9966	17303	9692
40°	3080	5328	2810
45°	292	1827	292
50°	0	322	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1827 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.8	22.2
10°-20°	917.2	51.8
20°-30°	411.4	23.2
30°-40°	44.4	2.5
40°-50°	4.1	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	1722.4	97.3
0°-40°	1766.8	99.8
0°-60°	1771.0	100.0
0°-90°	1771.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1771.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4212	4212	4212	4212	4212	
5°	4159	4170	4185	4192	4205	392
15°	3408	3433	3463	3483	3506	906
25°	748	771	792	806	744	399
35°	47	55	82	54	46	37
45°	1	2	8	2	1	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	4211.5	4211.5	4211.5	4211.5	4211.5
1°	4202.8	4211.5	4219.0	4212.7	4221.5
2°	4199.0	4209.0	4220.2	4214.0	4221.5
3°	4189.0	4201.5	4214.0	4210.2	4217.7
4°	4175.3	4185.3	4204.0	4204.0	4215.2
5°	4159.1	4170.3	4185.3	4191.5	4205.3
6°	4141.6	4147.9	4159.1	4171.6	4190.3
7°	4119.2	4119.2	4132.9	4145.4	4170.3
8°	4088.0	4085.5	4095.5	4111.7	4134.2
9°	4049.4	4040.6	4048.1	4071.8	4105.5
10°	3994.5	3987.0	3987.0	4016.9	4049.4
11°	3923.4	3920.9	3922.2	3950.8	3994.5
12°	3827.4	3829.9	3829.9	3862.3	3915.9
13°	3718.9	3717.6	3728.9	3765.0	3801.2
14°	3586.7	3594.2	3605.4	3637.8	3675.2
15°	3408.3	3433.3	3463.2	3483.2	3505.6
17.5°	2865.9	2890.8	2932.0	2948.2	2953.2
20°	2176.2	2212.4	2218.6	2251.0	2247.3
22.5°	1459.1	1456.6	1461.6	1465.4	1466.6
25°	748.3	770.7	791.9	805.6	744.5
27.5°	325.5	364.2	391.6	355.4	329.2
30°	155.9	177.1	210.8	178.3	157.1
32.5°	84.8	98.5	133.4	97.3	83.6
35°	47.4	54.9	82.3	53.6	46.1
37.5°	27.4	29.9	44.9	29.9	26.2
40°	13.7	17.5	23.7	17.5	12.5
42.5°	5.0	8.7	12.5	8.7	5.0
45°	1.2	2.5	7.5	2.5	1.2
47.5°	0.0	0.0	3.7	0.0	0.0
50°	0.0	0.0	1.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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)