

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: P1315800

Luminaire Tested: LDSQA3D17R409735DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315800
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: LDSQA3D17R409735DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

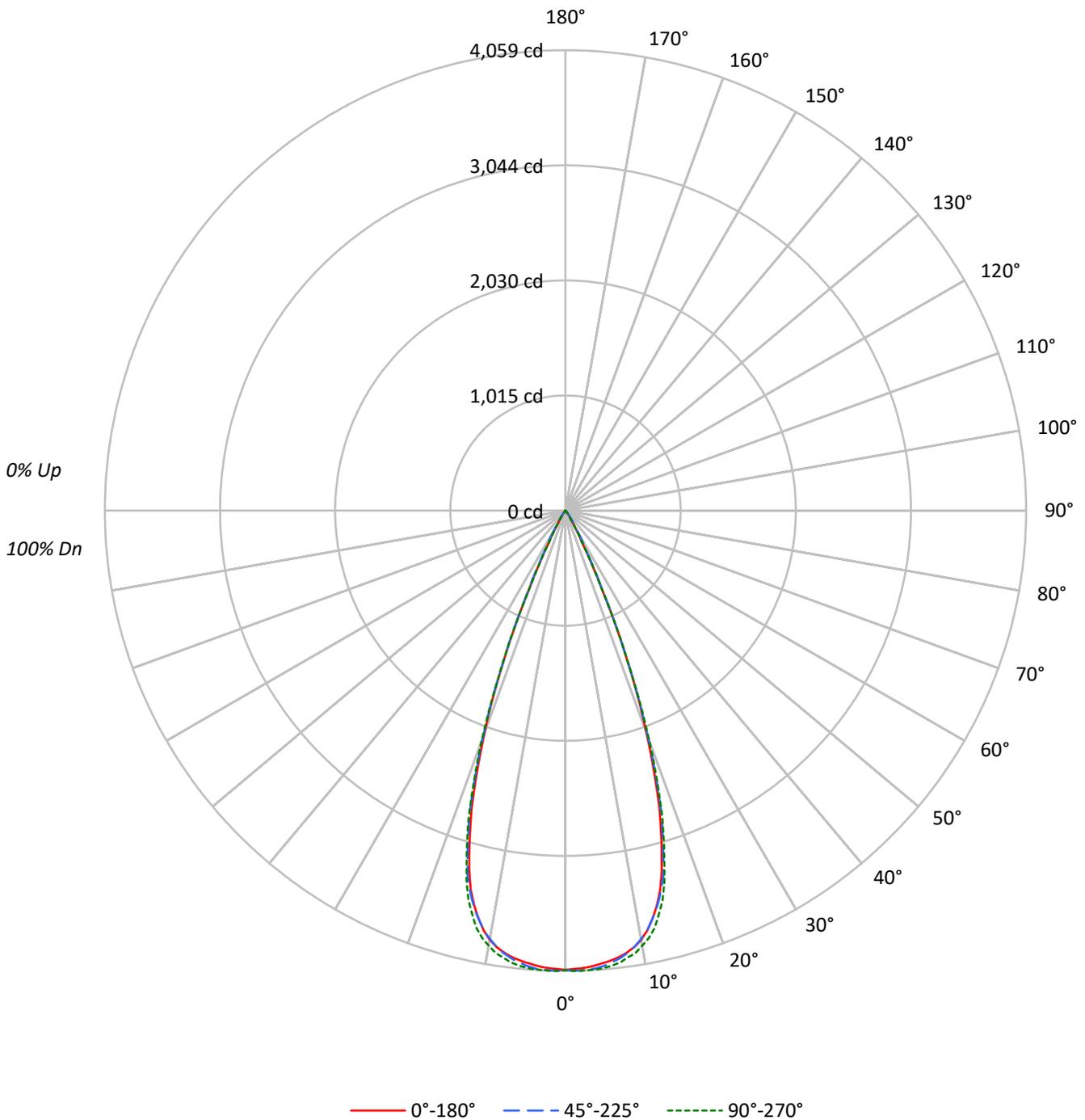
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1703.0 lumens
Efficiency: N/A
Efficacy: 80.3 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





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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	697467	697467	697467
5°	691418	695775	699094
10°	671729	670470	680963
15°	584372	593768	601043
20°	383522	391000	396058
25°	136724	144705	136040
30°	29810	40310	30049
35°	9587	16630	9335
40°	2968	5126	2698
45°	292	1754	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: 1754 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.7	22.2
10°-20°	882.0	51.8
20°-30°	395.6	23.2
30°-40°	42.7	2.5
40°-50°	4.0	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°	1656.3	97.3
0°-40°	1699.0	99.8
0°-60°	1703.0	100.0
0°-90°	1703.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1703.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4050	4050	4050	4050	4050	
5°	3999	4010	4025	4031	4044	377
15°	3278	3302	3330	3349	3371	871
25°	720	741	762	775	716	384
35°	46	53	79	52	44	35
45°	1	2	7	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°	4049.8	4049.8	4049.8	4049.8	4049.8
1°	4041.4	4049.8	4057.0	4051.0	4059.4
2°	4037.8	4047.4	4058.2	4052.2	4059.4
3°	4028.2	4040.2	4052.2	4048.6	4055.8
4°	4015.0	4024.6	4042.6	4042.6	4053.4
5°	3999.4	4010.2	4024.6	4030.6	4043.8
6°	3982.6	3988.6	3999.4	4011.4	4029.4
7°	3961.0	3961.0	3974.2	3986.2	4010.2
8°	3931.1	3928.7	3938.3	3953.8	3975.4
9°	3893.9	3885.5	3892.7	3915.5	3947.8
10°	3841.1	3833.9	3833.9	3862.7	3893.9
11°	3772.8	3770.4	3771.6	3799.1	3841.1
12°	3680.4	3682.8	3682.8	3714.0	3765.6
13°	3576.1	3574.9	3585.7	3620.5	3655.2
14°	3449.0	3456.2	3467.0	3498.1	3534.1
15°	3277.5	3301.5	3330.2	3349.4	3371.0
17.5°	2755.8	2779.8	2819.4	2835.0	2839.8
20°	2092.6	2127.4	2133.4	2164.6	2161.0
22.5°	1403.1	1400.7	1405.5	1409.1	1410.3
25°	719.5	741.1	761.5	774.7	715.9
27.5°	313.0	350.2	376.6	341.8	316.6
30°	149.9	170.3	202.7	171.5	151.1
32.5°	81.5	94.7	128.3	93.5	80.3
35°	45.6	52.8	79.1	51.6	44.4
37.5°	26.4	28.8	43.2	28.8	25.2
40°	13.2	16.8	22.8	16.8	12.0
42.5°	4.8	8.4	12.0	8.4	4.8
45°	1.2	2.4	7.2	2.4	1.2
47.5°	0.0	0.0	3.6	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)