

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: P1311672

Luminaire Tested: LDSQA3D17R409040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311672
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: LDSQA3D17R409040DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

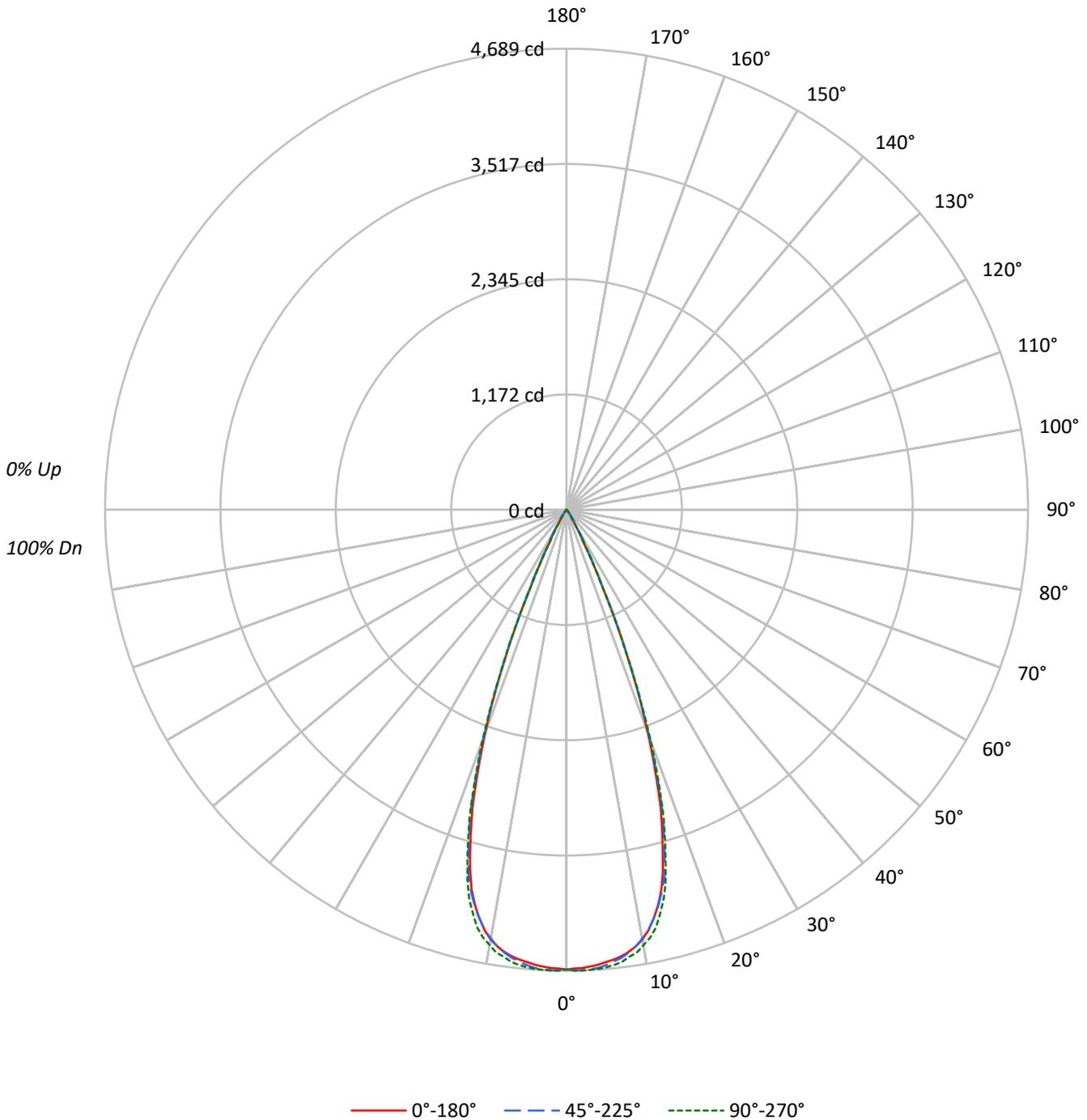
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1967.0 lumens
Efficiency: N/A
Efficacy: 92.8 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°	805589	805589	805589
5°	798604	803635	807473
10°	775870	774419	786520
15°	674965	685823	694221
20°	442977	451609	457456
25°	157931	167147	157133
30°	34424	46554	34702
35°	11059	19216	10765
40°	3417	5913	3125
45°	341	2022	341
50°	0	375	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: 2022 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.4	22.2
10°-20°	1018.7	51.8
20°-30°	456.9	23.2
30°-40°	49.3	2.5
40°-50°	4.6	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°	1913.0	97.3
0°-40°	1962.4	99.8
0°-60°	1967.0	100.0
0°-90°	1967.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1967.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4678	4678	4678	4678	4678	
5°	4619	4632	4648	4655	4671	436
15°	3786	3813	3846	3869	3894	1006
25°	831	856	880	895	827	443
35°	53	61	91	60	51	41
45°	1	3	8	3	1	3
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°	4677.6	4677.6	4677.6	4677.6	4677.6
1°	4667.9	4677.6	4685.9	4679.0	4688.7
2°	4663.7	4674.8	4687.3	4680.3	4688.7
3°	4652.6	4666.5	4680.3	4676.2	4684.5
4°	4637.4	4648.5	4669.3	4669.3	4681.7
5°	4619.4	4631.9	4648.5	4655.4	4670.7
6°	4600.0	4606.9	4619.4	4633.3	4654.0
7°	4575.1	4575.1	4590.3	4604.2	4631.9
8°	4540.5	4537.7	4548.8	4566.8	4591.7
9°	4497.5	4487.8	4496.1	4522.4	4559.8
10°	4436.6	4428.3	4428.3	4461.5	4497.5
11°	4357.6	4354.8	4356.2	4388.1	4436.6
12°	4251.0	4253.7	4253.7	4289.7	4349.3
13°	4130.5	4129.1	4141.5	4181.7	4221.9
14°	3983.6	3991.9	4004.4	4040.4	4082.0
15°	3785.6	3813.3	3846.5	3868.7	3893.6
17.5°	3183.0	3210.7	3256.4	3274.4	3280.0
20°	2417.0	2457.2	2464.1	2500.2	2496.0
22.5°	1620.6	1617.8	1623.4	1627.5	1628.9
25°	831.1	856.0	879.6	894.8	826.9
27.5°	361.5	404.5	434.9	394.8	365.7
30°	173.1	196.7	234.1	198.1	174.5
32.5°	94.2	109.4	148.2	108.0	92.8
35°	52.6	60.9	91.4	59.6	51.2
37.5°	30.5	33.2	49.9	33.2	29.1
40°	15.2	19.4	26.3	19.4	13.9
42.5°	5.5	9.7	13.9	9.7	5.5
45°	1.4	2.8	8.3	2.8	1.4
47.5°	0.0	0.0	4.2	0.0	0.0
50°	0.0	0.0	1.4	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)