

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: P1312749

Luminaire Tested: LDSQA3D17R409050DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312749
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: LDSQA3D17R409050DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

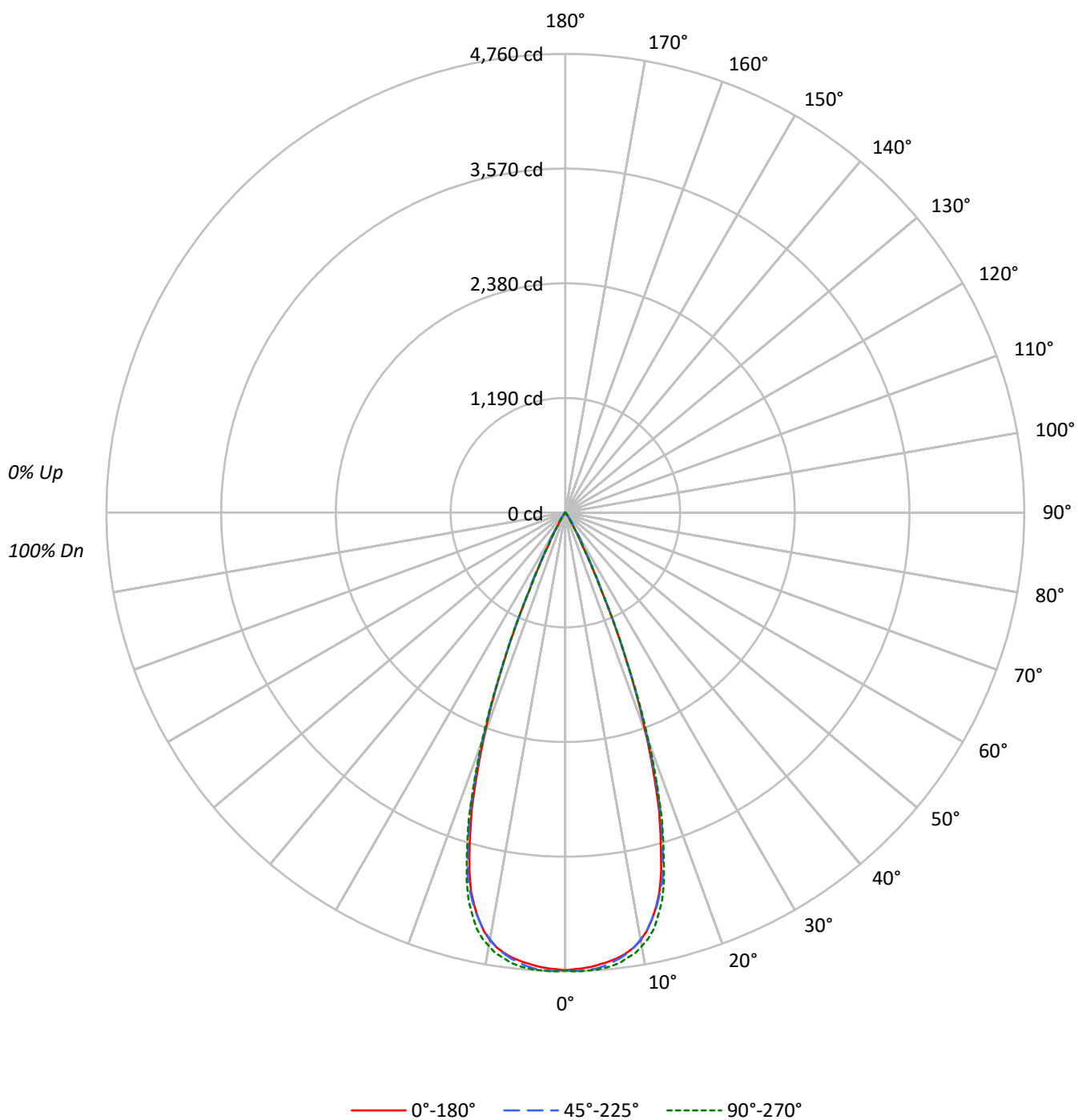
Lumens per Lamp: N/A
Luminaire Lumens: 1997.0 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
Input Voltage (V): NR
Input Current (Ain): 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: P1312749

CATALOG NUMBER: LDSQA3D17R409050DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1312749

CATALOG NUMBER: LDSQA3D17R409050DE010 3LSQCDR1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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°	817868	817868	817868
5°	810792	815892	819782
10°	787692	786223	798517
15°	685253	696289	704812
20°	449740	458500	464438
25°	160344	169694	159527
30°	34961	47270	35239
35°	11227	19511	10933
40°	3485	6003	3170
45°	341	2046	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: 2046 cd/sqm

TEST NUMBER: P1312749

CATALOG NUMBER: LDSQA3D17R409050DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.1	22.2
10°-20°	1034.3	51.8
20°-30°	463.9	23.2
30°-40°	50.1	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°	1942.2	97.3
0°-40°	1992.3	99.8
0°-60°	1997.0	100.0
0°-90°	1997.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1997.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4749	4749	4749	4749	4749	
5°	4690	4702	4719	4726	4742	442
15°	3843	3871	3905	3928	3953	1021
25°	844	869	893	908	840	450
35°	53	62	93	60	52	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	

TEST NUMBER: P1312749

CATALOG NUMBER: LDSQA3D17R409050DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4748.9	4748.9	4748.9	4748.9	4748.9
1°	4739.1	4748.9	4757.4	4750.3	4760.2
2°	4734.9	4746.1	4758.8	4751.7	4760.2
3°	4723.6	4737.7	4751.7	4747.5	4756.0
4°	4708.1	4719.4	4740.5	4740.5	4753.1
5°	4689.9	4702.5	4719.4	4726.4	4741.9
6°	4670.2	4677.2	4689.9	4703.9	4725.0
7°	4644.9	4644.9	4660.3	4674.4	4702.5
8°	4609.7	4606.9	4618.1	4636.4	4661.7
9°	4566.1	4556.3	4564.7	4591.4	4629.4
10°	4504.2	4495.8	4495.8	4529.5	4566.1
11°	4424.1	4421.3	4422.7	4455.0	4504.2
12°	4315.8	4318.6	4318.6	4355.2	4415.6
13°	4193.4	4192.0	4204.7	4245.5	4286.3
14°	4044.4	4052.8	4065.5	4102.0	4144.2
15°	3843.3	3871.4	3905.2	3927.7	3953.0
17.5°	3231.6	3259.7	3306.1	3324.4	3330.0
20°	2453.9	2494.7	2501.7	2538.3	2534.1
22.5°	1645.3	1642.5	1648.1	1652.3	1653.8
25°	843.8	869.1	893.0	908.4	839.5
27.5°	367.0	410.6	441.6	400.8	371.3
30°	175.8	199.7	237.7	201.1	177.2
32.5°	95.6	111.1	150.5	109.7	94.2
35°	53.4	61.9	92.8	60.5	52.0
37.5°	30.9	33.8	50.6	33.8	29.5
40°	15.5	19.7	26.7	19.7	14.1
42.5°	5.6	9.8	14.1	9.8	5.6
45°	1.4	2.8	8.4	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



TEST NUMBER: P1312749

CATALOG NUMBER: LDSQA3D17R409050DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)