

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: P1312750

Luminaire Tested: LDSQA3D17R409050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312750
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: LDSQA3D17R409050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

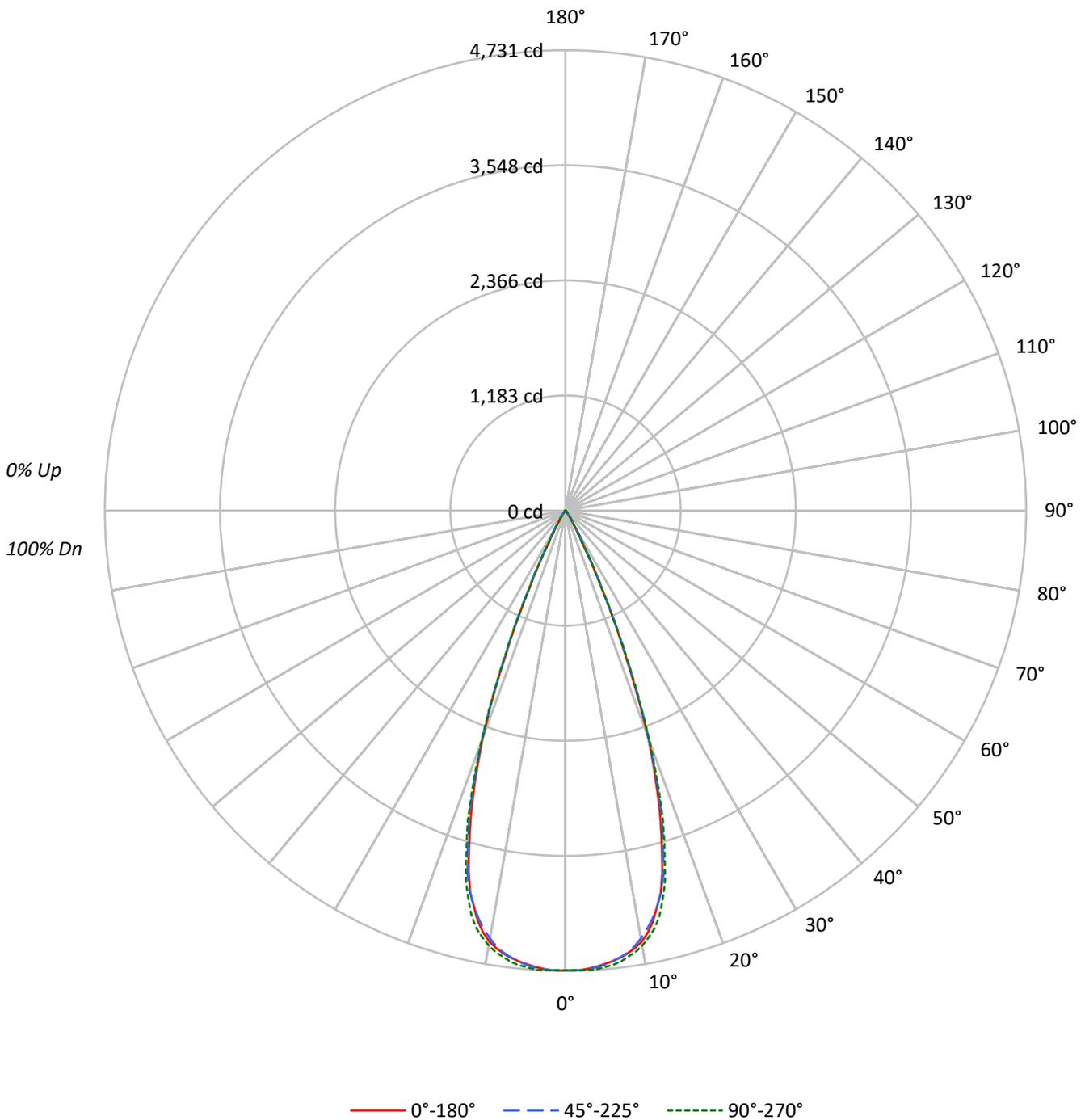
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2000.0 lumens
Efficiency: N/A
Efficacy: 94.3 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°	813855	813855	813855
5°	808458	809669	814042
10°	786555	780662	793690
15°	685342	692349	703136
20°	456503	458812	463192
25°	165969	171043	166767
30°	35239	47270	35239
35°	12425	21003	11837
40°	4429	6632	4429
45°	1023	2752	1023
50°	750	1125	750
55°	841	841	841
60°	964	964	964
65°	571	1141	571
70°	705	705	705
75°	932	932	932
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2752 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	441.6	22.1
10°-20°	1029.0	51.5
20°-30°	463.1	23.2
30°-40°	52.7	2.6
40°-50°	7.5	0.4
50°-60°	2.5	0.1
60°-70°	2.2	0.1
70°-80°	1.3	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°	1933.7	96.7
0°-40°	1986.4	99.3
0°-60°	1996.5	99.8
0°-90°	2000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2000.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4726	4726	4726	4726	4726	
5°	4676	4671	4683	4704	4709	441
15°	3844	3854	3883	3914	3944	1021
25°	873	879	900	900	878	452
35°	59	66	100	63	56	44
45°	4	7	11	7	4	6
55°	3	3	3	3	3	3
65°	1	3	3	3	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°	4725.6	4725.6	4725.6	4725.6	4725.6
1°	4728.4	4724.2	4722.8	4731.2	4724.2
2°	4724.2	4721.4	4722.8	4731.2	4725.6
3°	4711.5	4712.9	4717.1	4732.6	4731.2
4°	4696.1	4694.6	4703.1	4722.8	4722.8
5°	4676.4	4670.7	4683.4	4704.5	4708.7
6°	4653.9	4646.8	4656.7	4683.4	4693.2
7°	4628.5	4614.5	4622.9	4655.3	4667.9
8°	4594.8	4576.5	4586.4	4618.7	4628.5
9°	4552.6	4524.5	4532.9	4572.3	4592.0
10°	4497.7	4462.6	4464.0	4507.6	4538.5
11°	4420.4	4381.0	4382.4	4437.3	4469.6
12°	4317.7	4282.6	4289.6	4340.2	4392.3
13°	4178.5	4168.6	4177.1	4231.9	4279.8
14°	4043.5	4033.6	4049.1	4099.7	4122.2
15°	3843.8	3853.6	3883.1	3914.1	3943.6
17.5°	3210.9	3248.8	3284.0	3305.1	3330.4
20°	2490.8	2447.2	2503.4	2478.1	2527.3
22.5°	1607.5	1639.9	1654.0	1639.9	1645.5
25°	873.4	879.0	900.1	900.1	877.6
27.5°	371.3	400.8	427.6	417.7	371.3
30°	177.2	203.9	237.7	205.3	177.2
32.5°	99.9	118.1	153.3	115.3	97.0
35°	59.1	66.1	99.9	63.3	56.3
37.5°	35.2	36.6	54.9	38.0	33.8
40°	19.7	23.9	29.5	23.9	19.7
42.5°	9.8	14.1	18.3	14.1	9.8
45°	4.2	7.0	11.3	7.0	4.2
47.5°	4.2	4.2	7.0	4.2	4.2
50°	2.8	2.8	4.2	2.8	2.8
52.5°	2.8	2.8	2.8	2.8	2.8
55°	2.8	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	2.8	2.8	2.8
60°	2.8	2.8	2.8	2.8	2.8
62.5°	2.8	2.8	2.8	2.8	2.8
65°	1.4	2.8	2.8	2.8	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4
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)