

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: P1311983

Luminaire Tested: LDSQA3D24R509040D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311983
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R509040D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

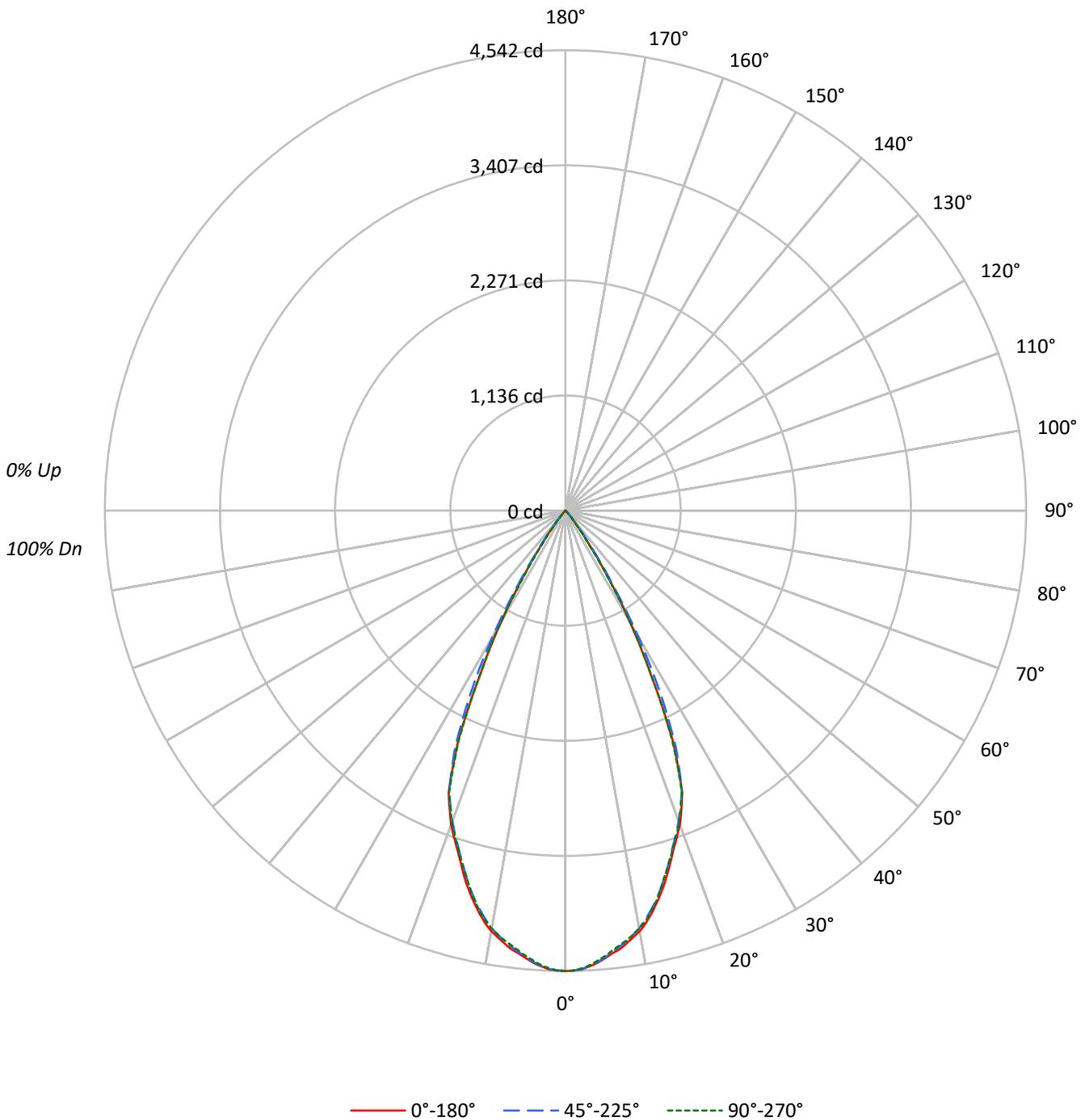
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2927.0 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	782218	782218	782218
5°	766881	765446	763302
10°	736872	731783	732150
15°	676445	670151	669402
20°	604314	597845	600887
25°	474972	488787	471019
30°	254110	284696	254946
35°	83005	96986	78190
40°	20549	25697	19627
45°	2533	9109	2533
50°	1661	2786	1661
55°	1862	1862	1862
60°	1447	1447	1447
65°	1712	1712	1712
70°	1057	1057	1057
75°	1397	1397	1397
80°	2083	2083	2083
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 9109 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.3	14.2
10°-20°	1050.4	35.9
20°-30°	1104.8	37.7
30°-40°	318.4	10.9
40°-50°	25.9	0.9
50°-60°	5.6	0.2
60°-70°	4.0	0.1
70°-80°	2.2	0.1
80°-90°	0.6	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°	2570.4	87.8
0°-40°	2888.8	98.7
0°-60°	2920.2	99.8
0°-90°	2927.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2927.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4542	4542	4542	4542	4542	
5°	4436	4434	4428	4432	4415	416
15°	3794	3769	3759	3759	3754	1056
25°	2500	2562	2572	2543	2479	1083
35°	395	409	461	395	372	305
45°	10	21	37	21	10	19
55°	6	6	6	6	6	5
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4541.9	4541.9	4541.9	4541.9	4541.9
1°	4539.8	4544.0	4535.7	4550.2	4537.7
2°	4529.4	4531.5	4527.4	4537.7	4521.1
3°	4504.5	4508.7	4500.3	4508.7	4494.1
4°	4475.4	4475.4	4467.1	4473.3	4454.6
5°	4435.9	4433.9	4427.6	4431.8	4415.2
6°	4394.4	4392.3	4381.9	4381.9	4369.4
7°	4363.2	4348.7	4340.4	4338.3	4325.8
8°	4313.4	4309.2	4292.6	4292.6	4284.3
9°	4263.5	4259.3	4240.6	4244.8	4238.6
10°	4213.6	4199.1	4184.5	4186.6	4186.6
11°	4147.1	4134.7	4113.9	4122.2	4126.4
12°	4068.2	4053.6	4034.9	4051.6	4049.5
13°	3980.9	3968.4	3953.9	3966.4	3962.2
14°	3889.5	3870.8	3858.3	3866.6	3862.5
15°	3793.9	3769.0	3758.6	3758.6	3754.4
17.5°	3525.9	3511.4	3501.0	3494.7	3509.3
20°	3297.3	3284.9	3262.0	3268.3	3278.6
22.5°	3010.6	3008.5	2996.1	2985.7	2998.2
25°	2499.5	2561.8	2572.2	2543.1	2478.7
27.5°	1815.9	1961.4	2013.3	1944.7	1826.3
30°	1277.8	1346.4	1431.6	1296.5	1282.0
32.5°	770.8	789.5	868.5	775.0	754.2
35°	394.8	409.3	461.3	394.8	371.9
37.5°	184.9	193.2	214.0	184.9	172.5
40°	91.4	101.8	114.3	95.6	87.3
42.5°	39.5	51.9	66.5	49.9	35.3
45°	10.4	20.8	37.4	20.8	10.4
47.5°	6.2	8.3	20.8	8.3	6.2
50°	6.2	6.2	10.4	6.2	6.2
52.5°	6.2	6.2	6.2	6.2	6.2
55°	6.2	6.2	6.2	6.2	6.2
57.5°	6.2	6.2	6.2	6.2	6.2
60°	4.2	6.2	4.2	6.2	4.2
62.5°	4.2	4.2	4.2	4.2	4.2
65°	4.2	4.2	4.2	4.2	4.2
67.5°	4.2	4.2	4.2	4.2	4.2
70°	2.1	2.1	2.1	2.1	2.1
72.5°	2.1	2.1	2.1	2.1	2.1
75°	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	2.1	2.1	2.1
80°	2.1	2.1	2.1	2.1	2.1
82.5°	0.0	2.1	0.0	2.1	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)