

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: P1309664

Luminaire Tested: LDSQA3D24R209030D010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R209030D010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

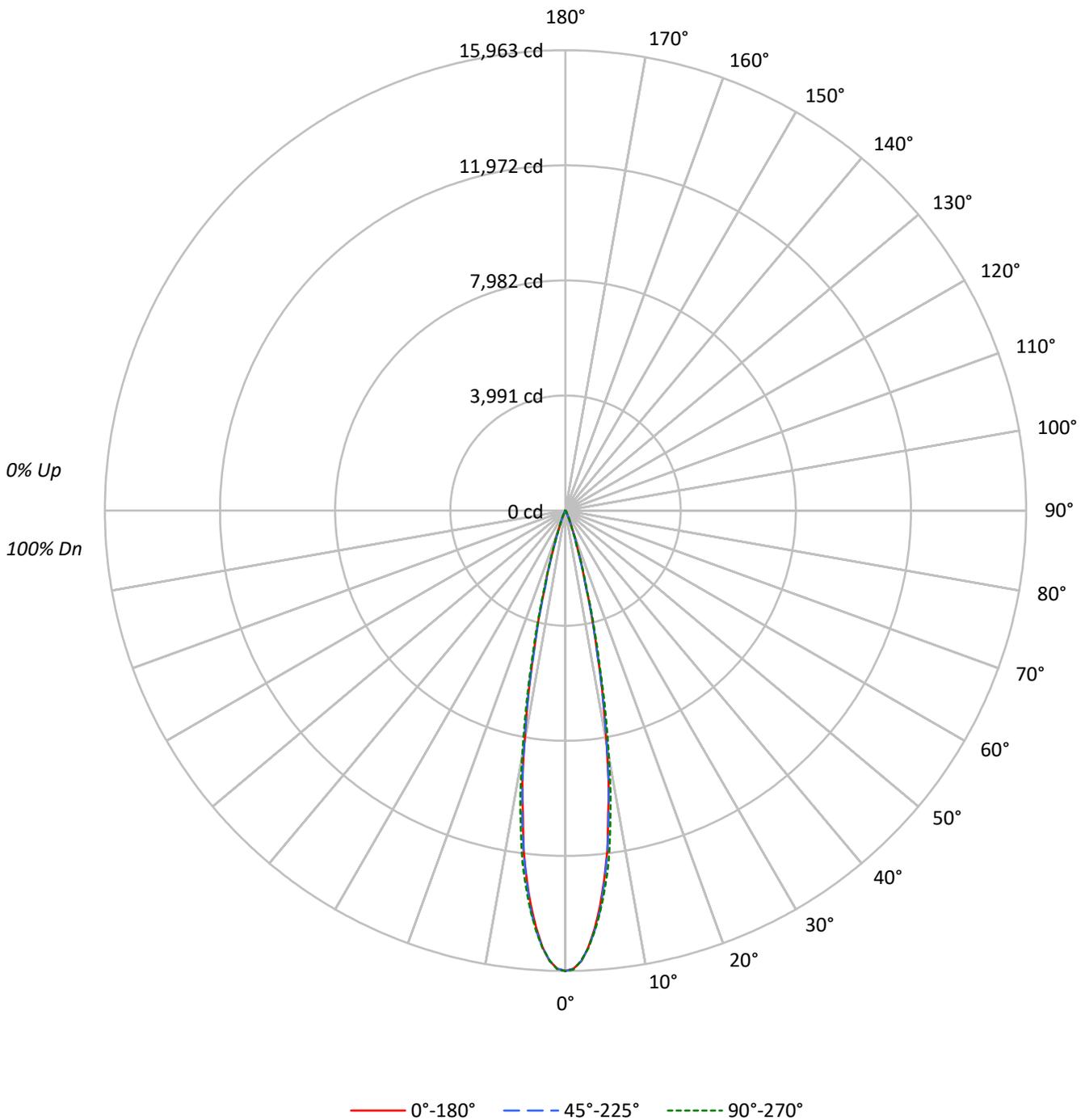
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2144.0 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
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

TEST NUMBER: P1309664
CATALOG NUMBER: LDSQA3D24R209030D010 3LSQPHR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1309664
 CATALOG NUMBER: LDSQA3D24R209030D010 3LSQPHR1MW

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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	96	95	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	95	93	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	93	91	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	92	90	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	91	88	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	89	87	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	88	86	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2749138	2749138	2749138
5°	2374929	2397057	2405978
10°	1429675	1443035	1514858
15°	494509	482920	521415
20°	129869	122171	122520
25°	28314	34110	38841
30°	12151	12151	12529
35°	6833	6034	6433
40°	3013	3440	3867
45°	926	1388	1388
50°	509	509	509
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: 22.5°
 Vertical Angle: 45°
 Luminance: 1388 cd/sqm



TEST NUMBER: P1309664

CATALOG NUMBER: LDSQA3D24R209030D010 3LSQPHR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1141.7	53.3
10°-20°	869.3	40.5
20°-30°	107.5	5.0
30°-40°	20.3	0.9
40°-50°	4.9	0.2
50°-60°	0.3	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°	2118.4	98.8
0°-40°	2138.8	99.8
0°-60°	2144.0	100.0
0°-90°	2144.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2144.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15963	15963	15963	15963	15963	
5°	13737	13728	13865	13856	13917	1133
15°	2774	2674	2708	2871	2924	868
25°	149	170	180	187	204	103
35°	32	32	29	31	31	21
45°	4	6	6	6	6	4
55°	0	0	0	0	0	1
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



TEST NUMBER: P1309664
 CATALOG NUMBER: LDSQA3D24R209030D010 3LSQPHR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	15962.7	15962.7	15962.7	15962.7	15962.7
1°	15888.2	15869.1	15884.4	15851.9	15918.8
2°	15634.2	15615.1	15615.1	15596.0	15605.5
3°	15160.5	15191.0	15171.9	15131.8	15183.4
4°	14514.9	14549.2	14579.8	14581.7	14589.3
5°	13737.4	13727.9	13865.4	13855.9	13917.0
6°	12851.2	12839.7	12898.9	12998.2	13120.5
7°	11877.0	11737.6	11896.1	12096.7	12260.9
8°	10616.3	10652.6	10761.5	10998.4	11130.2
9°	9546.7	9334.7	9565.8	9848.5	9991.7
10°	8175.2	8003.3	8251.6	8549.6	8662.3
12.5°	5145.8	4996.8	5077.0	5390.3	5440.0
15°	2773.5	2674.1	2708.5	2870.9	2924.4
17.5°	1415.4	1325.6	1306.5	1409.7	1421.1
20°	708.6	687.6	666.6	676.2	668.5
22.5°	328.5	357.2	353.4	334.3	357.2
25°	149.0	170.0	179.5	187.2	204.4
27.5°	91.7	87.9	101.2	108.9	110.8
30°	61.1	59.2	61.1	63.0	63.0
32.5°	43.9	42.0	40.1	40.1	42.0
35°	32.5	32.5	28.7	30.6	30.6
37.5°	22.9	22.9	21.0	22.9	22.9
40°	13.4	15.3	15.3	15.3	17.2
42.5°	7.6	9.6	9.6	9.6	9.6
45°	3.8	5.7	5.7	5.7	5.7
47.5°	1.9	1.9	1.9	3.8	3.8
50°	1.9	1.9	1.9	1.9	1.9
52.5°	1.9	0.0	0.0	0.0	1.9
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)