

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: P1309702

Luminaire Tested: LDSQA3D24R309030D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309702
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R309030D010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

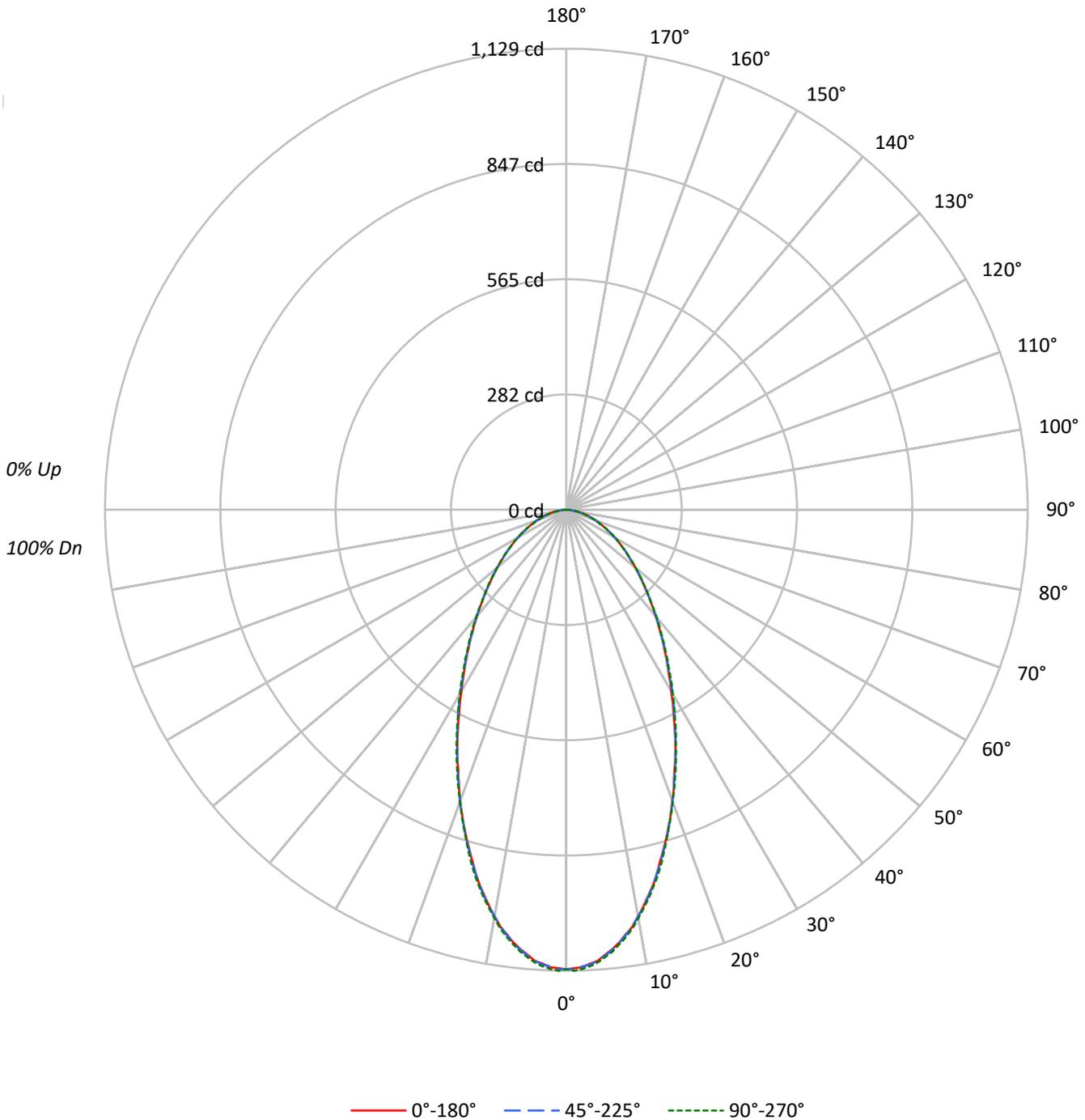
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1445.0 lumens
Efficiency: N/A
Efficacy: 50.2 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
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 (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: P1309702
CATALOG NUMBER: LDSQA3D24R309030D010 3LSQPHRLD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1309702

CATALOG NUMBER: LDSQA3D24R309030D010 3LSQPHRLD1MW

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	88	
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	77	
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	70	68	
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	60	
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	54	
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	49	
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	45	
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	41	
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	38	
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	35	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	193802	193802	193802
5°	189028	189373	190065
10°	176873	176873	177573
15°	158596	158953	160022
20°	139216	139216	139583
25°	120021	120021	120781
30°	102157	103350	103748
35°	88261	88681	89102
40°	76394	76844	77293
45°	66687	67174	67174
50°	58918	58918	59454
55°	52816	52816	52816
60°	47499	47499	47499
65°	42341	42341	42341
70°	38269	38269	38269
75°	34602	33271	33271
80°	29754	27770	27770
85°	19760	19760	19760

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 67174 cd/sqm



TEST NUMBER: P1309702

CATALOG NUMBER: LDSQA3D24R309030D010 3LSQPHRLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.9	7.1
10°-20°	248.5	17.2
20°-30°	290.2	20.1
30°-40°	264.1	18.3
40°-50°	213.3	14.8
50°-60°	157.5	10.9
60°-70°	103.7	7.2
70°-80°	53.7	3.7
80°-90°	12.2	0.8
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°	640.6	44.3
0°-40°	904.6	62.6
0°-60°	1275.5	88.3
0°-90°	1445.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1445.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1125	1125	1125	1125	1125	
5°	1093	1093	1095	1095	1099	102
15°	890	892	892	892	898	248
25°	632	630	632	632	636	289
35°	420	418	422	422	424	263
45°	274	276	276	276	276	213
55°	176	174	176	174	176	158
65°	104	104	104	104	104	104
75°	52	50	50	50	50	55
85°	10	10	10	10	10	12
90°	0	0	0	0	0	



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CATALOG NUMBER: LDSQA3D24R309030D010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1125.3	1125.3	1125.3	1125.3	1125.3
1°	1123.3	1123.3	1125.3	1123.3	1129.3
2°	1121.3	1119.3	1119.3	1119.3	1125.3
3°	1113.3	1113.3	1115.3	1113.3	1119.3
4°	1107.4	1105.4	1107.4	1105.4	1111.3
5°	1093.4	1093.4	1095.4	1095.4	1099.4
6°	1081.4	1081.4	1083.4	1081.4	1087.4
7°	1067.4	1067.4	1067.4	1067.4	1071.4
8°	1049.4	1049.4	1051.4	1051.4	1055.4
9°	1033.4	1031.4	1031.4	1031.4	1037.4
10°	1011.4	1011.4	1011.4	1011.4	1015.4
11°	989.4	989.4	989.4	989.4	993.4
12°	965.4	965.4	967.4	965.4	971.4
13°	943.4	943.4	943.4	943.4	947.4
14°	917.5	915.5	917.5	917.5	923.5
15°	889.5	891.5	891.5	891.5	897.5
17.5°	825.5	825.5	827.5	823.5	827.5
20°	759.6	757.6	759.6	759.6	761.6
22.5°	691.6	693.6	693.6	693.6	697.6
25°	631.6	629.6	631.6	631.6	635.6
27.5°	569.7	571.7	573.7	571.7	575.7
30°	513.7	517.7	519.7	515.7	521.7
32.5°	463.7	463.7	465.7	467.7	469.7
35°	419.8	417.8	421.8	421.8	423.8
37.5°	377.8	377.8	377.8	379.8	381.8
40°	339.8	339.8	341.8	341.8	343.8
42.5°	305.8	303.8	305.8	305.8	305.8
45°	273.8	275.8	275.8	275.8	275.8
47.5°	245.9	245.9	247.9	245.9	247.9
50°	219.9	219.9	219.9	219.9	221.9
52.5°	195.9	195.9	195.9	195.9	197.9
55°	175.9	173.9	175.9	173.9	175.9
57.5°	155.9	155.9	155.9	155.9	155.9
60°	137.9	135.9	137.9	135.9	137.9
62.5°	119.9	119.9	119.9	119.9	119.9
65°	103.9	103.9	103.9	103.9	103.9
67.5°	89.9	89.9	89.9	87.9	87.9
70°	76.0	76.0	76.0	76.0	76.0
72.5°	64.0	62.0	62.0	62.0	62.0
75°	52.0	50.0	50.0	50.0	50.0
77.5°	40.0	40.0	38.0	38.0	40.0
80°	30.0	28.0	28.0	28.0	28.0
82.5°	18.0	18.0	18.0	18.0	18.0
85°	10.0	10.0	10.0	10.0	10.0
87.5°	2.0	2.0	2.0	4.0	4.0



TEST NUMBER: P1309702
CATALOG NUMBER: LDSQA3D24R309030D010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)