

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: P1306943

Luminaire Tested: LDSQA3D09R159024DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306943  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R159024DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

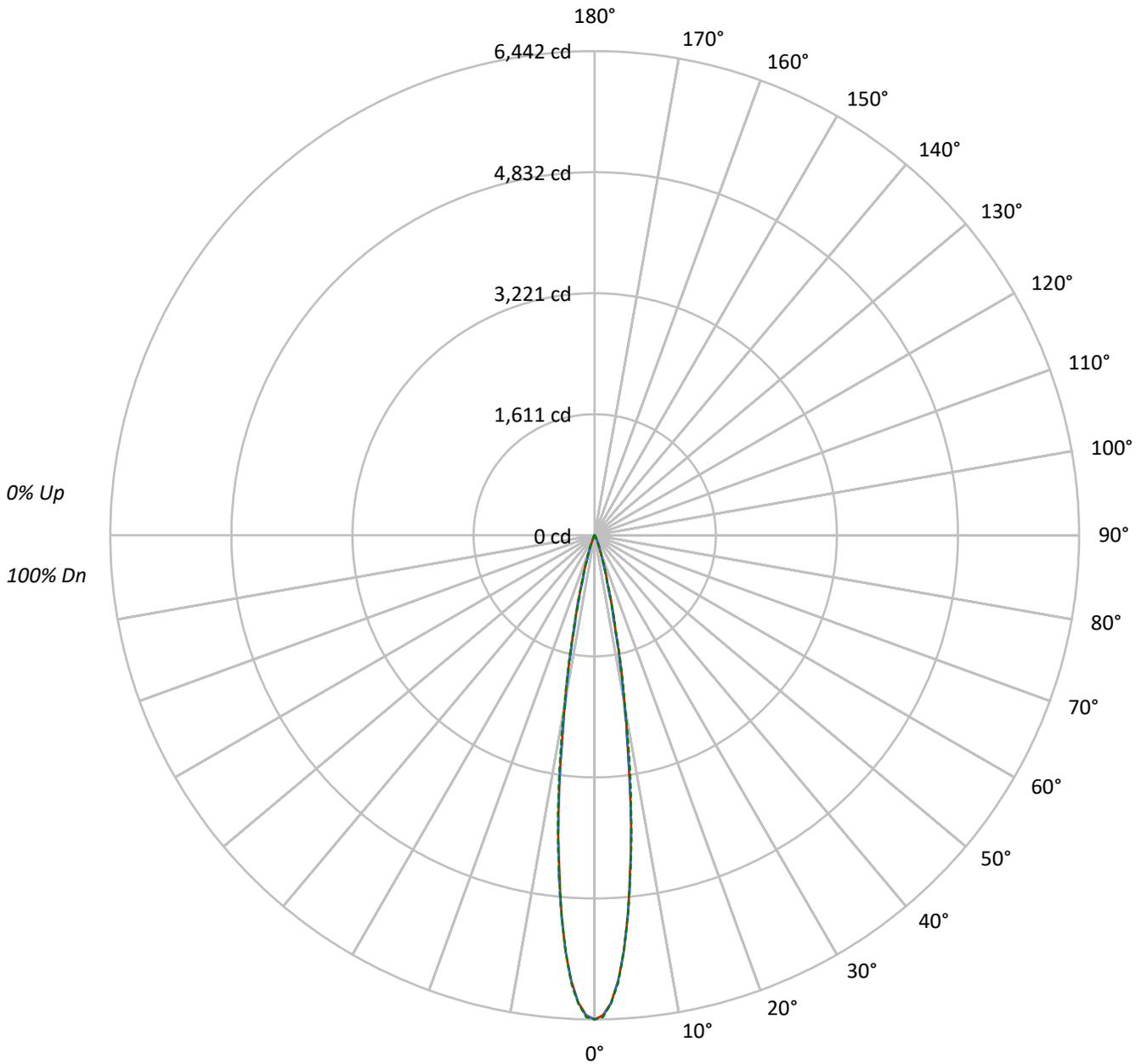
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 645.0 lumens  
Efficiency: N/A  
Efficacy: 58.1 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P1306943  
CATALOG NUMBER: LDSQA3D09R159024DE010 3LSQPHR1MW

### Luminous Intensity Polar Plot



— 0°-180°    - - - 45°-225°    - · - · - 90°-270°



TEST NUMBER: P1306943

CATALOG NUMBER: LDSQA3D09R159024DE010 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	104	103	101	100	100	100	100	100	98	
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	98	97	
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	96	95	
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	97	96	94	93	
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	96	94	93	92	
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	95	93	91	91	
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	94	92	90	89	
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	92	90	89	88	
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	91	89	87	87	
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	90	88	86	86	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1109389	1109389	1109389
5°	875087	877420	874309
10°	400352	389859	408816
15°	119032	106266	116625
20°	35354	34291	37113
25°	10052	12998	11649
30°	3599	3858	3460
35°	1367	1219	1219
40°	585	292	427
45°	317	146	317
50°	161	0	161
55°	180	0	180
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: 0°

Vertical Angle: 47.5°

Luminance: 331 cd/sqm



TEST NUMBER: P1306943

CATALOG NUMBER: LDSQA3D09R159024DE010 3LSQPHR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	389.2	60.3
10°-20°	216.1	33.5
20°-30°	34.4	5.3
30°-40°	4.5	0.7
40°-50°	0.7	0.1
50°-60°	0.1	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°	639.7	99.2
0°-40°	644.2	99.9
0°-60°	645.0	100.0
0°-90°	645.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	645.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6442	6442	6442	6442	6442	
5°	5062	5104	5075	5054	5057	388
15°	668	659	596	633	654	220
25°	53	59	68	68	61	32
35°	6	6	6	6	6	5
45°	1	1	1	1	1	1
55°	1	0	0	0	1	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	0



TEST NUMBER: P1306943  
 CATALOG NUMBER: LDSQA3D09R159024DE010 3LSQPHR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6441.6	6441.6	6441.6	6441.6	6441.6	6441.6	6441.6	6441.6	6441.6	6441.6	6441.6
1°	6386.1	6393.2	6402.2	6393.9	6386.1	6393.2	6383.5	6384.8	6377.1	6393.9	6412.6
2°	6223.6	6232.6	6227.4	6215.8	6233.9	6235.2	6215.2	6205.5	6204.2	6221.0	6227.4
3°	5935.9	5956.5	5957.1	5953.3	5947.5	5935.9	5915.2	5928.8	5910.1	5898.4	5964.2
4°	5553.3	5571.4	5592.7	5578.5	5535.9	5539.8	5553.3	5507.5	5510.1	5536.6	5538.5
5°	5061.8	5116.6	5119.2	5099.2	5065.7	5075.3	5065.7	5052.8	5057.3	5074.1	5057.3
6°	4483.2	4545.1	4499.3	4543.2	4533.5	4545.8	4549.0	4535.4	4545.1	4534.8	4531.6
7°	3983.3	3936.2	3942.6	3924.6	3943.9	3956.8	3964.6	3941.3	3960.0	3989.7	3998.1
8°	3363.4	3349.8	3336.3	3368.5	3359.5	3375.0	3384.6	3410.4	3409.2	3418.2	3447.9
9°	2773.1	2793.1	2805.4	2777.0	2801.5	2753.8	2770.5	2839.6	2821.5	2839.6	2892.5
10°	2289.3	2305.5	2287.4	2286.7	2260.9	2229.3	2227.4	2253.2	2307.4	2350.0	2337.7
12.5°	1263.0	1277.2	1279.2	1277.9	1231.4	1179.2	1188.8	1209.5	1243.0	1257.2	1280.4
15°	667.6	667.0	674.1	654.1	629.6	596.0	598.6	627.0	652.2	658.6	654.1
17.5°	342.5	343.8	349.0	343.8	318.0	321.2	328.3	331.6	346.4	352.2	349.0
20°	192.9	193.5	192.9	194.8	184.5	187.1	196.1	196.7	200.0	203.2	202.5
22.5°	110.3	111.0	114.8	113.5	111.0	114.2	116.1	119.3	120.6	119.3	123.2
25°	52.9	53.5	53.5	61.3	65.2	68.4	69.7	68.4	67.1	61.9	61.3
27.5°	30.3	30.3	31.6	32.3	33.5	39.3	38.7	32.3	27.1	27.1	27.7
30°	18.1	17.4	17.4	18.1	18.7	19.4	18.1	17.4	17.4	18.1	17.4
32.5°	11.0	11.0	11.0	10.3	10.3	9.7	9.7	11.0	11.0	11.0	11.0
35°	6.5	6.5	6.5	6.5	5.8	5.8	5.8	6.5	6.5	5.8	5.8
37.5°	3.9	3.9	3.9	3.2	3.2	2.6	3.2	3.2	3.2	3.2	3.2
40°	2.6	2.6	1.9	1.9	1.3	1.3	1.3	1.9	1.9	1.9	1.9
42.5°	1.9	1.9	1.3	1.3	0.6	0.6	0.6	1.3	1.3	1.3	1.3
45°	1.3	1.3	1.3	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.3
47.5°	1.3	1.3	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.6
50°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
52.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
55°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)