

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: P1307946

Luminaire Tested: LDSQA3D09R259027DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R259027DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

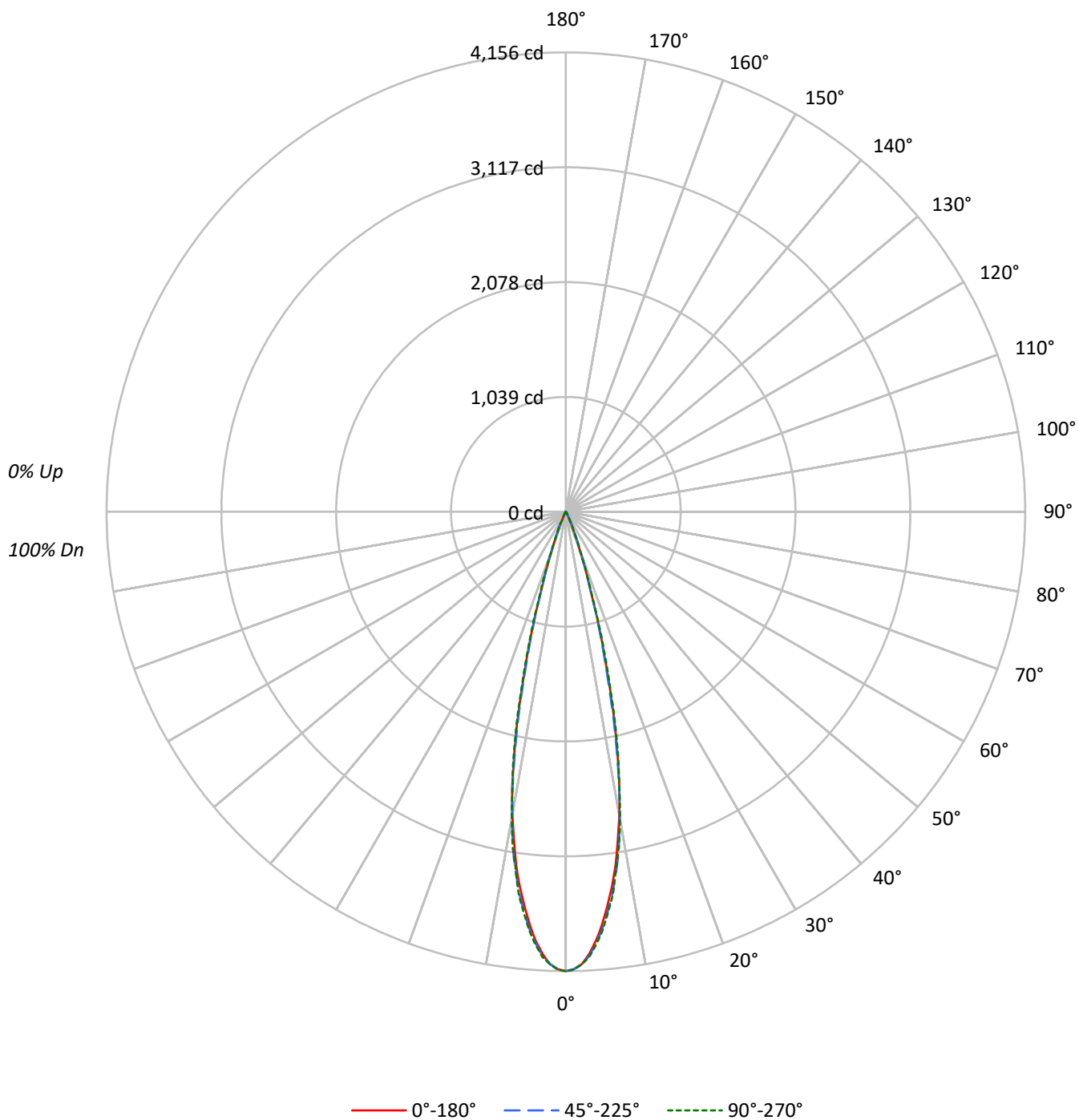
Lumens per Lamp: N/A
Luminaire Lumens: 767.0 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (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: P1307946

CATALOG NUMBER: LDSQA3D09R259027DE010 3LSQPHR1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1307946

CATALOG NUMBER: LDSQA3D09R259027DE010 3LSQPHR1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97
4	106	101	98	95	105	100	97	95	99	96	94		97	94	93		95
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		91
7	99	93	89	87	98	93	89	87	92	89	86		91	88	86		90
8	97	91	87	85	96	90	87	85	90	86	84		89	86	84		88
9	95	89	85	83	94	88	85	83	88	85	82		87	84	82		86
10	93	87	83	81	92	86	83	81	86	83	81		85	82	80		85

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	715757	715757	715757
5°	648613	654526	657724
10°	487599	491079	493352
15°	241433	234248	249849
20°	68178	69315	70066
25°	11820	22347	14043
30°	4634	4753	4892
35°	1430	1577	1577
40°	472	607	472
45°	341	170	341
50°	188	0	188
55°	210	0	210
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: 45°

Luminance: 341 cd/sqm

TEST NUMBER: P1307946

CATALOG NUMBER: LDSQA3D09R259027DE010 3LSQPHR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.2	43.0
10°-20°	372.3	48.5
20°-30°	57.7	7.5
30°-40°	5.9	0.8
40°-50°	0.8	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°	760.2	99.1
0°-40°	766.1	99.9
0°-60°	767.0	100.0
0°-90°	767.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	767.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4156	4156	4156	4156	4156	
5°	3752	3759	3786	3801	3804	327
15°	1354	1344	1314	1373	1401	371
25°	62	92	118	90	74	52
35°	7	8	8	8	8	6
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	

TEST NUMBER: P1307946

CATALOG NUMBER: LDSQA3D09R259027DE010 3LSQPHR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4156.0	4156.0	4156.0	4156.0	4156.0
1°	4138.9	4144.4	4138.2	4145.1	4144.4
2°	4095.8	4101.3	4093.8	4097.9	4097.9
3°	4007.6	4019.2	4026.1	4030.9	4035.0
4°	3891.3	3904.3	3914.6	3926.9	3926.9
5°	3751.8	3758.7	3786.0	3801.1	3804.5
6°	3585.6	3613.0	3633.5	3663.6	3645.1
7°	3419.5	3442.0	3470.7	3475.5	3488.5
8°	3230.7	3254.6	3281.3	3276.5	3265.6
9°	3000.9	3035.8	3067.3	3057.0	3070.7
10°	2788.2	2809.4	2808.1	2797.8	2821.1
11°	2541.3	2546.1	2519.5	2561.2	2535.9
12°	2248.6	2252.7	2218.5	2259.6	2285.6
13°	1968.2	1958.7	1911.5	1965.5	1998.3
14°	1645.4	1648.9	1588.7	1693.3	1685.1
15°	1354.1	1344.5	1313.8	1372.6	1401.3
17.5°	721.5	727.7	720.1	749.5	768.0
20°	372.0	382.3	378.2	390.5	382.3
22.5°	192.9	207.2	211.3	201.7	175.8
25°	62.2	92.3	117.6	89.6	73.9
27.5°	37.6	36.9	57.4	39.7	40.3
30°	23.3	22.6	23.9	23.9	24.6
32.5°	13.0	13.7	13.0	14.4	13.7
35°	6.8	7.5	7.5	8.2	7.5
37.5°	4.1	4.8	4.8	4.8	4.1
40°	2.1	2.7	2.7	2.1	2.1
42.5°	1.4	1.4	1.4	1.4	1.4
45°	1.4	0.7	0.7	0.7	1.4
47.5°	0.7	0.7	0.0	0.7	0.7
50°	0.7	0.7	0.0	0.7	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
55°	0.7	0.0	0.0	0.0	0.7
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



TEST NUMBER: P1307946

CATALOG NUMBER: LDSQA3D09R259027DE010 3LSQPHR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)