

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: P1311317

Luminaire Tested: LDSQA3D09R309040DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309040DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

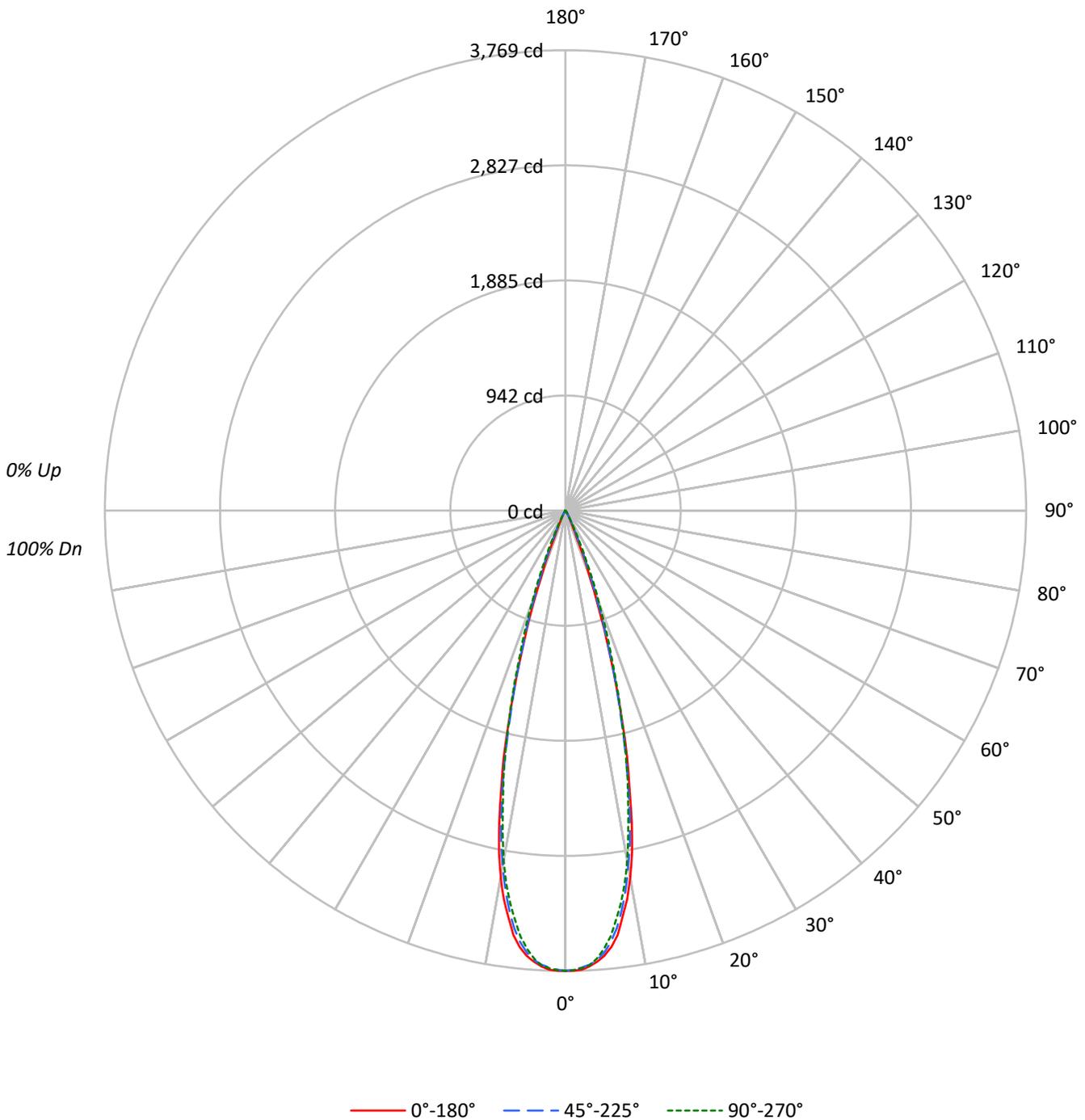
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 913.0 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
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_{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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	84	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	82	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	80	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	648935	648935	648935
5°	632224	627867	622698
10°	533540	517154	508759
15°	321525	312539	318298
20°	109067	125947	145264
25°	20048	31411	37093
30°	6881	7676	8611
35°	1976	2481	2649
40°	540	877	697
45°	195	195	195
50°	214	0	214
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: 0°
 Vertical Angle: 52.5°
 Luminance: 226 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.8	35.7
10°-20°	476.2	52.2
20°-30°	100.8	11.0
30°-40°	9.3	1.0
40°-50°	0.9	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°	902.8	98.9
0°-40°	912.0	99.9
0°-60°	913.0	100.0
0°-90°	913.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	913.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3768	3768	3768	3768	3768	
5°	3657	3650	3632	3621	3602	330
15°	1803	1797	1753	1794	1785	476
25°	106	118	165	194	195	77
35°	9	12	12	14	13	8
45°	1	1	1	1	1	1
55°	0	0	0	0	0	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3768.0	3768.0	3768.0	3768.0	3768.0
1°	3768.8	3764.8	3759.3	3767.2	3761.7
2°	3760.9	3751.5	3743.6	3751.5	3749.1
3°	3737.3	3729.4	3723.9	3727.8	3727.8
4°	3701.9	3693.2	3688.5	3689.3	3677.5
5°	3657.0	3649.9	3631.8	3620.8	3601.9
6°	3590.9	3573.6	3551.5	3533.4	3509.0
7°	3501.2	3474.4	3442.9	3411.4	3380.7
8°	3357.1	3344.5	3302.0	3280.8	3250.1
9°	3221.7	3191.0	3145.4	3110.7	3094.2
10°	3050.9	3005.3	2957.2	2929.7	2909.2
11°	2848.6	2802.2	2763.6	2723.5	2692.0
12°	2610.9	2571.6	2527.5	2500.7	2463.7
13°	2329.1	2323.6	2274.0	2265.4	2260.6
14°	2087.5	2065.4	2016.6	2030.0	2033.2
15°	1803.3	1797.0	1752.9	1793.9	1785.2
17.5°	1129.5	1131.9	1159.4	1224.0	1244.5
20°	595.1	613.2	687.2	765.1	792.6
22.5°	240.9	281.0	356.6	409.3	444.7
25°	105.5	118.1	165.3	194.4	195.2
27.5°	59.8	60.6	79.5	82.6	84.2
30°	34.6	35.4	38.6	40.9	43.3
32.5°	18.9	20.5	21.3	24.4	24.4
35°	9.4	11.8	11.8	14.2	12.6
37.5°	5.5	6.3	7.1	7.1	6.3
40°	2.4	3.1	3.9	3.9	3.1
42.5°	0.8	1.6	1.6	1.6	2.4
45°	0.8	0.8	0.8	0.8	0.8
47.5°	0.8	0.8	0.0	0.8	0.8
50°	0.8	0.0	0.0	0.0	0.8
52.5°	0.8	0.0	0.0	0.0	0.8
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



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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)