

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: P1325968

Luminaire Tested: LDSQA3D09R20W2N902750DE010 3LSQPHR1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325968
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: LDSQA3D09R20W2N902750DE010 3LSQPHR1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

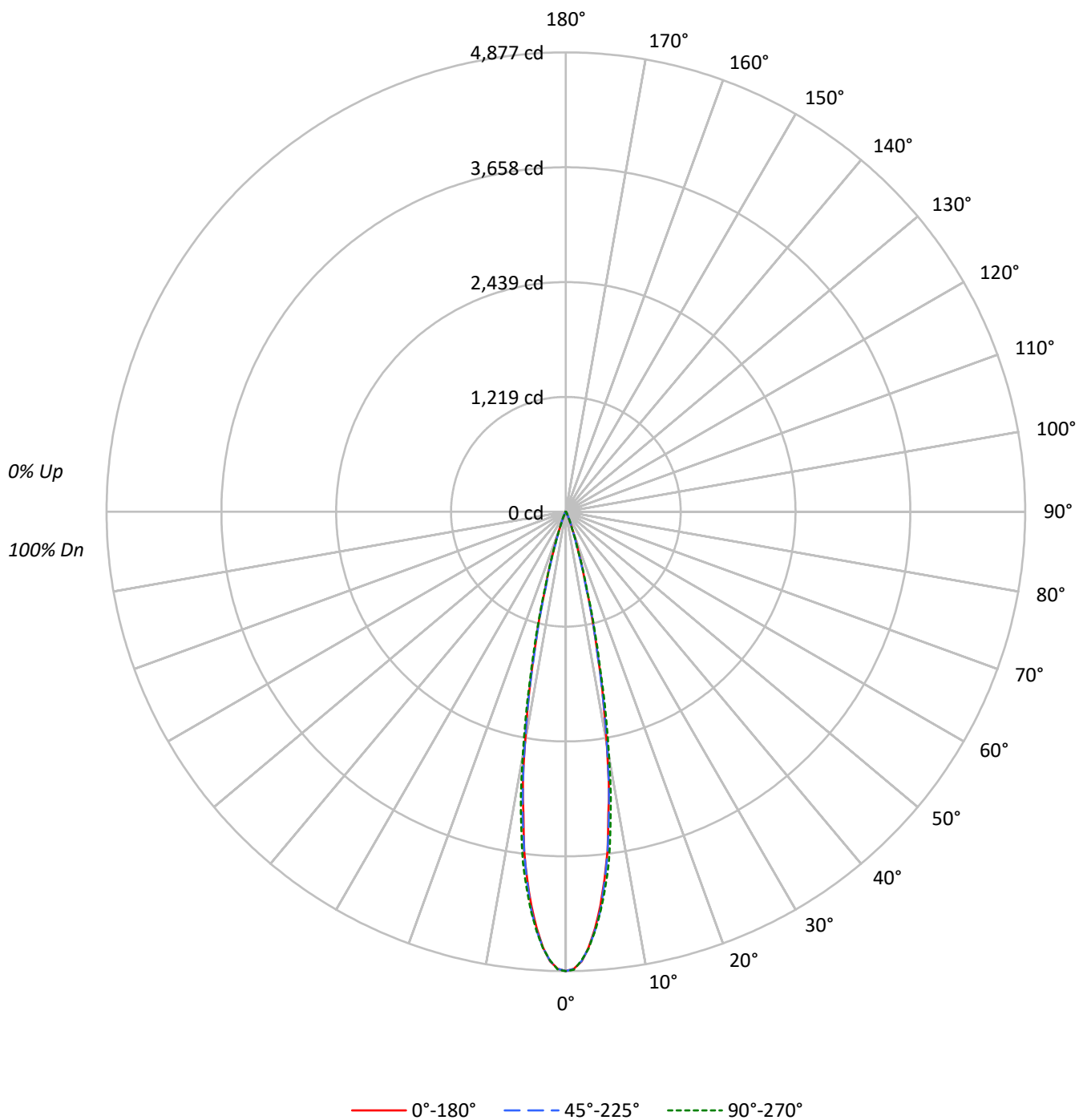
Lumens per Lamp: N/A
Luminaire Lumens: 655.0 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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

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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
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	100	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98	98	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96	96	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94	94	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92	92	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	91	91	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89	89	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87	87	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86	86	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	83	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	839878	839878	839878
5°	725545	732305	735036
10°	436779	440854	462801
15°	151072	147542	159291
20°	39679	37333	37425
25°	8646	10432	11858
30°	3719	3719	3838
35°	2081	1850	1955
40°	922	1057	1192
45°	292	438	438
50°	161	161	161
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: 438 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.8	53.2
10°-20°	265.6	40.5
20°-30°	32.8	5.0
30°-40°	6.2	0.9
40°-50°	1.5	0.2
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°	647.2	98.8
0°-40°	653.4	99.8
0°-60°	655.0	100.0
0°-90°	655.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	655.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4877	4877	4877	4877	4877	
5°	4197	4194	4236	4233	4252	346
15°	847	817	828	877	893	265
25°	46	52	55	57	62	31
35°	10	10	9	9	9	6
45°	1	2	2	2	2	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4876.7	4876.7	4876.7	4876.7	4876.7
1°	4853.9	4848.1	4852.7	4842.8	4863.2
2°	4776.3	4770.5	4770.5	4764.6	4767.5
3°	4631.6	4640.9	4635.1	4622.8	4638.6
4°	4434.3	4444.8	4454.2	4454.8	4457.1
5°	4196.8	4193.9	4235.9	4233.0	4251.7
6°	3926.1	3922.6	3940.7	3971.0	4008.4
7°	3628.5	3585.9	3634.3	3695.6	3745.8
8°	3243.3	3254.4	3287.7	3360.0	3400.3
9°	2916.5	2851.8	2922.4	3008.7	3052.5
10°	2497.6	2445.0	2520.9	2611.9	2646.4
12.5°	1572.1	1526.5	1551.1	1646.8	1661.9
15°	847.3	817.0	827.5	877.1	893.4
17.5°	432.4	405.0	399.1	430.7	434.2
20°	216.5	210.1	203.7	206.6	204.2
22.5°	100.4	109.1	108.0	102.1	109.1
25°	45.5	51.9	54.9	57.2	62.4
27.5°	28.0	26.8	30.9	33.3	33.8
30°	18.7	18.1	18.7	19.3	19.3
32.5°	13.4	12.8	12.3	12.3	12.8
35°	9.9	9.9	8.8	9.3	9.3
37.5°	7.0	7.0	6.4	7.0	7.0
40°	4.1	4.7	4.7	4.7	5.3
42.5°	2.3	2.9	2.9	2.9	2.9
45°	1.2	1.8	1.8	1.8	1.8
47.5°	0.6	0.6	0.6	1.2	1.2
50°	0.6	0.6	0.6	0.6	0.6
52.5°	0.6	0.0	0.0	0.0	0.6
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)