

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: P1325971

Luminaire Tested: LDSQA3D09R20W2N902750DE010 3LSQPHR1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325971
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

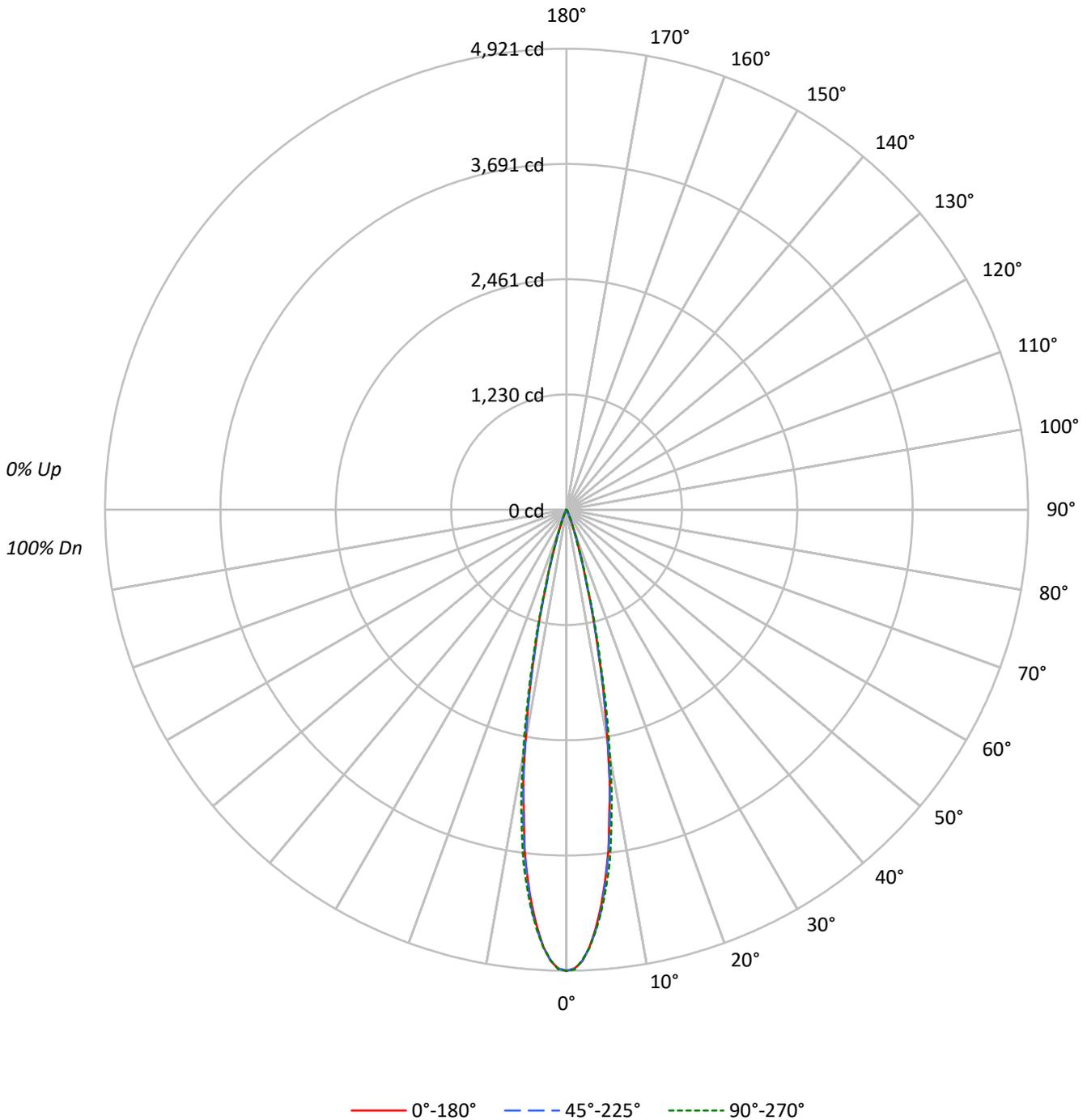
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 661.0 lumens
Efficiency: N/A
Efficacy: 73.4 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			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	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	96	95	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	95	93	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	93	91	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	92	90	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	91	88	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	89	87	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	88	86	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	847559	847559	847559
5°	732201	739012	741761
10°	440766	444893	467033
15°	152463	148879	160753
20°	40046	37663	37773
25°	8722	10527	11972
30°	3739	3739	3858
35°	2102	1850	1976
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°	352.0	53.3
10°-20°	268.0	40.5
20°-30°	33.1	5.0
30°-40°	6.3	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°	653.1	98.8
0°-40°	659.4	99.8
0°-60°	661.0	100.0
0°-90°	661.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	661.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4921	4921	4921	4921	4921	
5°	4235	4232	4275	4272	4291	349
15°	855	824	835	885	902	268
25°	46	52	55	58	63	32
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4921.3	4921.3	4921.3	4921.3	4921.3
1°	4898.4	4892.5	4897.2	4887.2	4907.8
2°	4820.1	4814.2	4814.2	4808.3	4811.2
3°	4674.0	4683.4	4677.5	4665.2	4681.1
4°	4475.0	4485.6	4495.0	4495.6	4497.9
5°	4235.3	4232.3	4274.7	4271.8	4290.6
6°	3962.0	3958.5	3976.8	4007.4	4045.1
7°	3661.7	3618.7	3667.6	3729.4	3780.1
8°	3273.0	3284.2	3317.8	3390.8	3431.5
9°	2943.3	2877.9	2949.2	3036.3	3080.5
10°	2520.4	2467.4	2544.0	2635.9	2670.6
12.5°	1586.5	1540.5	1565.3	1661.8	1677.2
15°	855.1	824.4	835.0	885.1	901.6
17.5°	436.4	408.7	402.8	434.6	438.1
20°	218.5	212.0	205.5	208.5	206.1
22.5°	101.3	110.1	108.9	103.1	110.1
25°	45.9	52.4	55.4	57.7	63.0
27.5°	28.3	27.1	31.2	33.6	34.2
30°	18.8	18.3	18.8	19.4	19.4
32.5°	13.5	13.0	12.4	12.4	13.0
35°	10.0	10.0	8.8	9.4	9.4
37.5°	7.1	7.1	6.5	7.1	7.1
40°	4.1	4.7	4.7	4.7	5.3
42.5°	2.4	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)