

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: P1325954

Luminaire Tested: LDSQA3D09R20W2N902750DE010 3LSQCDR1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325954
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R20W2N902750DE010 3LSQCDR1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

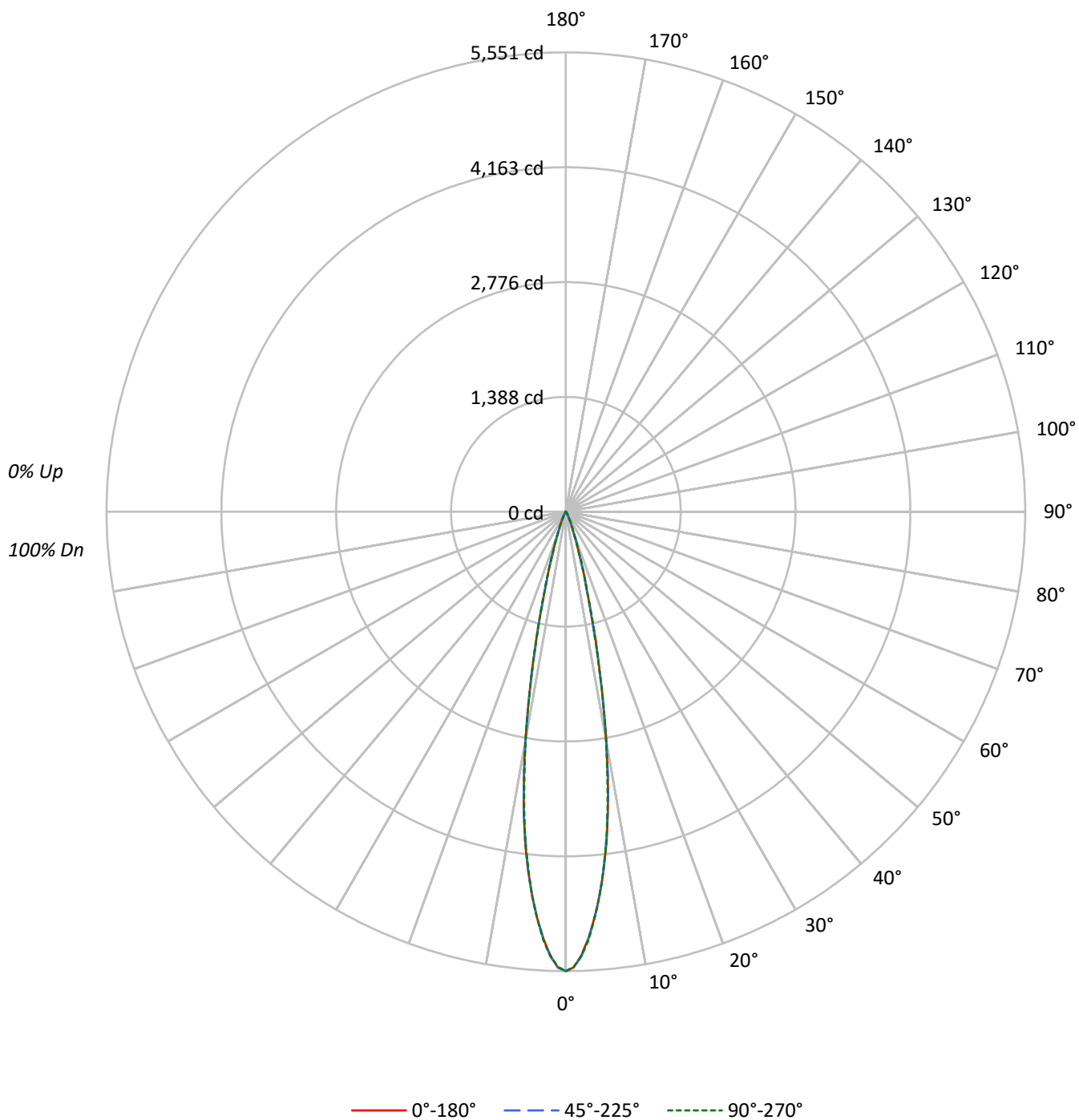
Lumens per Lamp: N/A
Luminaire Lumens: 765.0 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1325954

CATALOG NUMBER: LDSQA3D09R20W2N902750DE010 3LSQCDR1MW_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1325954

CATALOG NUMBER: LDSQA3D09R20W2N902750DE010 3LSQCDR1MW_3500K

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	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	95	95	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93	93	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	91	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	89	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87	87	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	86	86	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	84	84
9	96	90	87	84	95	90	86	84	89	86	84	88	85	84	87	85	83	83	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	81	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	956060	956060	956060
5°	805813	806124	805710
10°	491044	488771	489907
15°	172967	173698	179083
20°	54341	55862	54671
25°	20352	22271	20922
30°	7895	11176	8233
35°	2985	4983	3238
40°	1596	2136	1596
45°	585	999	731
50°	322	482	322
55°	360	360	360
60°	207	207	207
65°	245	245	245
70°	302	302	302
75°	0	0	399
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 999 cd/sqm

TEST NUMBER: P1325954

CATALOG NUMBER: LDSQA3D09R20W2N902750DE010 3LSQCDR1MW_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.4	50.4
10°-20°	302.2	39.5
20°-30°	59.3	7.8
30°-40°	13.3	1.7
40°-50°	3.0	0.4
50°-60°	1.0	0.1
60°-70°	0.6	0.1
70°-80°	0.3	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°	746.9	97.6
0°-40°	760.2	99.4
0°-60°	764.2	99.9
0°-90°	765.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	765.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5551	5551	5551	5551	5551	
5°	4661	4665	4663	4679	4660	386
15°	970	974	974	996	1004	302
25°	107	114	117	115	110	56
35°	14	17	24	17	15	11
45°	2	4	4	4	3	2
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1325954

CATALOG NUMBER: LDSQA3D09R20W2N902750DE010 3LSQCDR1MW_3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5551.3	5551.3	5551.3	5551.3	5551.3
1°	5506.3	5494.5	5508.1	5497.4	5499.8
2°	5363.7	5357.1	5374.9	5363.7	5369.6
3°	5165.4	5157.1	5170.1	5170.7	5187.3
4°	4928.6	4912.6	4932.2	4932.8	4935.7
5°	4661.1	4665.2	4662.9	4678.8	4660.5
6°	4360.4	4374.0	4356.3	4365.1	4339.7
7°	4024.2	4007.1	3998.2	4001.1	4018.9
8°	3653.1	3641.3	3654.3	3635.9	3623.5
9°	3240.6	3219.9	3234.1	3216.3	3198.5
10°	2807.9	2798.4	2794.9	2774.8	2801.4
11°	2374.0	2345.6	2359.8	2349.8	2378.8
12°	1968.0	1970.4	1942.6	1951.4	1955.0
13°	1601.6	1563.8	1568.5	1592.8	1596.9
14°	1242.4	1247.7	1249.5	1266.6	1276.7
15°	970.1	974.2	974.2	995.6	1004.4
17.5°	520.3	520.3	531.5	533.9	535.1
20°	296.5	298.3	304.8	304.2	298.3
22.5°	177.6	181.1	184.7	181.1	177.6
25°	107.1	114.2	117.2	115.4	110.1
27.5°	63.9	71.6	79.9	73.4	63.3
30°	39.7	43.8	56.2	45.0	41.4
32.5°	21.9	28.4	38.5	29.6	22.5
35°	14.2	17.2	23.7	17.2	15.4
37.5°	10.1	11.8	14.8	12.4	10.7
40°	7.1	8.3	9.5	8.9	7.1
42.5°	4.7	5.9	6.5	5.9	4.7
45°	2.4	3.6	4.1	3.6	3.0
47.5°	1.2	1.8	3.0	1.8	1.2
50°	1.2	1.2	1.8	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	0.6	1.2	0.6
60°	0.6	0.6	0.6	0.6	0.6
62.5°	0.6	0.6	0.6	0.6	0.6
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.0	0.0	0.6
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: P1325954

CATALOG NUMBER: LDSQA3D09R20W2N902750DE010 3LSQCDR1MW_3500K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)