

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: P1327038

Luminaire Tested: LDSQA3D09R55W2N902765DE010 3LSQCDR1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327038
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R55W2N902765DE010 3LSQCDR1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

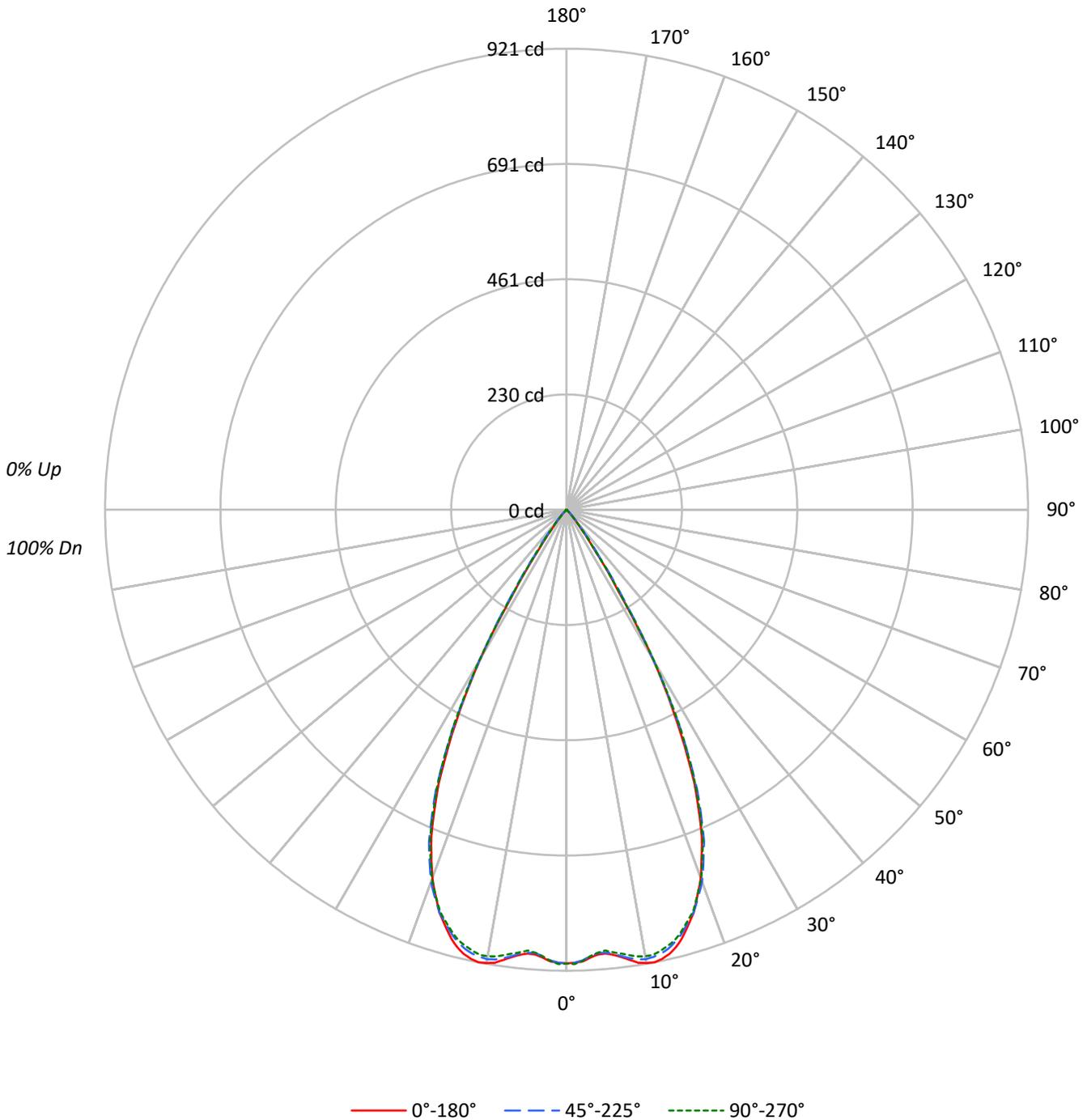
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 695.0 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	156085	156085	156085
5°	153846	153570	152844
10°	160802	159420	158406
15°	158293	156884	156225
20°	143541	144989	143926
25°	114776	117189	116087
30°	68827	68827	69682
35°	19889	23547	20562
40°	5710	7711	5710
45°	1291	2971	1291
50°	563	991	429
55°	480	480	480
60°	551	551	551
65°	448	448	448
70°	554	554	554
75°	333	333	333
80°	496	496	496
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2971 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.9	12.4
10°-20°	244.9	35.2
20°-30°	269.8	38.8
30°-40°	82.5	11.9
40°-50°	8.2	1.2
50°-60°	1.5	0.2
60°-70°	1.2	0.2
70°-80°	0.6	0.1
80°-90°	0.2	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°	600.7	86.4
0°-40°	683.2	98.3
0°-60°	692.9	99.7
0°-90°	695.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	695.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	906	906	906	906	906	
5°	890	890	888	886	884	86
15°	888	886	880	876	876	246
25°	604	610	617	622	611	266
35°	95	99	112	103	98	78
45°	5	8	12	8	5	6
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
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°	906.3	906.3	906.3	906.3	906.3
1°	905.2	905.8	905.2	904.2	907.9
2°	903.1	902.6	901.0	900.5	902.1
3°	896.3	896.3	894.1	893.1	893.6
4°	891.0	891.0	887.8	886.7	887.3
5°	889.9	889.9	888.3	885.7	884.1
6°	894.1	895.2	891.5	888.9	888.9
7°	900.5	901.0	898.4	894.7	893.6
8°	908.4	908.9	904.7	900.5	898.4
9°	916.3	915.3	909.5	905.2	903.7
10°	919.5	919.0	911.6	907.4	905.8
11°	921.1	918.5	910.0	906.3	905.8
12°	917.4	915.3	906.3	902.6	901.0
13°	911.1	907.9	900.5	896.8	894.7
14°	901.0	897.8	891.0	886.7	887.3
15°	887.8	886.2	879.9	876.2	876.2
17.5°	843.9	845.0	843.4	841.8	840.8
20°	783.2	787.4	791.1	789.0	785.3
22.5°	705.5	712.9	717.1	718.2	711.3
25°	604.0	609.8	616.7	622.5	610.9
27.5°	477.7	483.0	489.3	493.0	491.5
30°	346.1	346.7	346.1	353.0	350.4
32.5°	192.4	208.2	210.9	215.6	198.7
35°	94.6	99.3	112.0	103.0	97.8
37.5°	45.4	48.6	60.8	49.7	47.6
40°	25.4	27.5	34.3	28.5	25.4
42.5°	12.2	15.9	18.5	16.4	12.2
45°	5.3	7.9	12.2	7.9	5.3
47.5°	2.1	3.2	7.4	3.2	2.1
50°	2.1	1.6	3.7	1.6	1.6
52.5°	1.6	1.6	2.1	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.6	1.6	1.6	1.6	1.6
62.5°	1.1	1.6	1.6	1.6	1.1
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	0.5	1.1	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5
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)