

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: P1326130

Luminaire Tested: LDSQA3D09R25W2N902750DE010 3LSQCDR1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326130
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R25W2N902750DE010 3LSQCDR1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

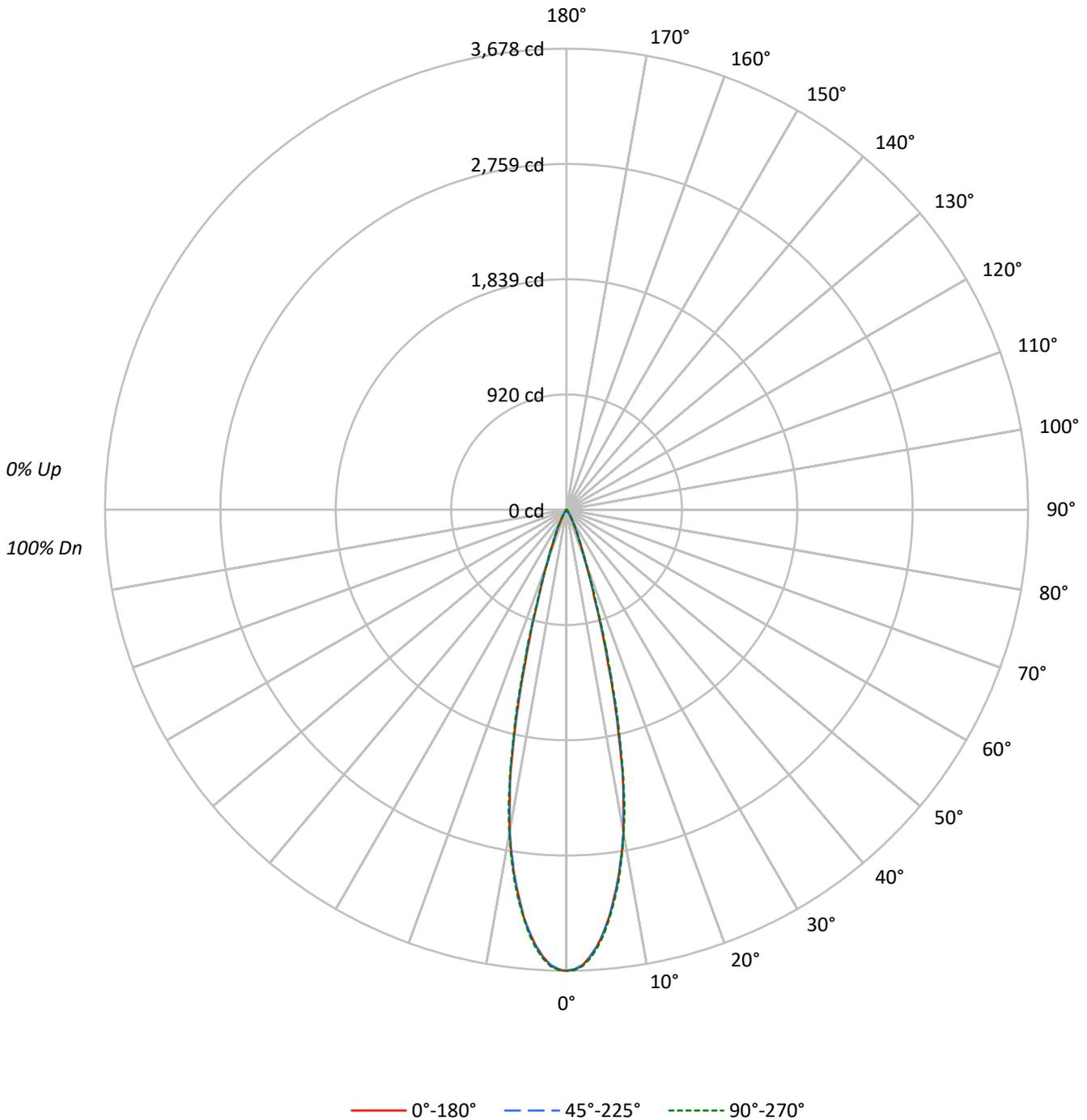
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 777.0 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
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	100	99	99	100	
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97	97	97	97	
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94	94	94	94	
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	91	91	91	
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89	89	
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86	86	86	86	
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84	84	84	84	
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	82	82	82	
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	80	80	80	
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78	78	78	78	
10	90	84	80	78	89	84	80	77	83	80	77	82	79	77	82	79	77	76	76	76	76	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	633435	633435	633435
5°	585079	584889	588157
10°	457047	455788	458901
15°	229933	239526	239329
20°	78680	80843	79542
25°	31620	35554	32970
30°	12827	15313	12489
35°	3742	6728	3742
40°	1731	2923	1731
45°	585	1145	585
50°	322	482	322
55°	360	360	360
60°	413	413	413
65°	245	245	245
70°	302	302	302
75°	399	399	399
80°	0	595	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1145 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.4	38.4
10°-20°	365.2	47.0
20°-30°	89.2	11.5
30°-40°	18.4	2.4
40°-50°	3.2	0.4
50°-60°	1.1	0.1
60°-70°	0.9	0.1
70°-80°	0.6	0.1
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°	752.8	96.9
0°-40°	771.3	99.3
0°-60°	775.6	99.8
0°-90°	777.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	777.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3678	3678	3678	3678	3678	
5°	3384	3387	3383	3390	3402	298
15°	1290	1312	1343	1349	1342	360
25°	166	174	187	176	174	85
35°	18	25	32	24	18	15
45°	2	4	5	4	2	2
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	3678.0	3678.0	3678.0	3678.0	3678.0
1°	3670.9	3666.2	3665.0	3665.6	3671.5
2°	3637.8	3634.8	3634.2	3636.0	3644.3
3°	3570.3	3573.8	3575.0	3580.9	3585.1
4°	3487.4	3494.5	3491.5	3498.6	3503.3
5°	3384.3	3387.3	3383.2	3390.3	3402.1
6°	3264.1	3253.5	3263.6	3266.5	3274.8
7°	3114.4	3116.7	3120.3	3123.8	3136.3
8°	2966.9	2959.8	2958.0	2974.6	2984.7
9°	2794.6	2795.8	2789.3	2808.2	2811.2
10°	2613.5	2598.6	2606.3	2621.1	2624.1
11°	2374.2	2370.1	2381.4	2404.4	2422.8
12°	2149.8	2152.2	2164.1	2171.8	2167.6
13°	1853.2	1871.0	1885.8	1893.5	1883.4
14°	1585.0	1585.0	1604.0	1606.9	1643.0
15°	1289.6	1311.5	1343.4	1349.4	1342.3
17.5°	744.8	747.8	763.2	762.6	773.9
20°	429.3	433.4	441.1	439.3	434.0
22.5°	258.1	267.0	285.4	270.6	266.4
25°	166.4	174.1	187.1	176.4	173.5
27.5°	104.2	109.5	119.6	110.1	105.4
30°	64.5	67.5	77.0	68.1	62.8
32.5°	34.9	42.6	50.3	42.6	34.9
35°	17.8	24.9	32.0	24.3	17.8
37.5°	11.8	14.2	20.7	13.6	11.8
40°	7.7	9.5	13.0	9.5	7.7
42.5°	4.1	5.9	7.1	6.5	4.1
45°	2.4	3.6	4.7	3.6	2.4
47.5°	1.8	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	1.2	1.2	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	1.2	1.2	1.2	1.2	1.2
65°	0.6	1.2	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°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.6	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)