

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: P1326143

Luminaire Tested: LDSQA3D09R25W2N902750DE010 3LSQPHR1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R25W2N902750DE010 3LSQPHR1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

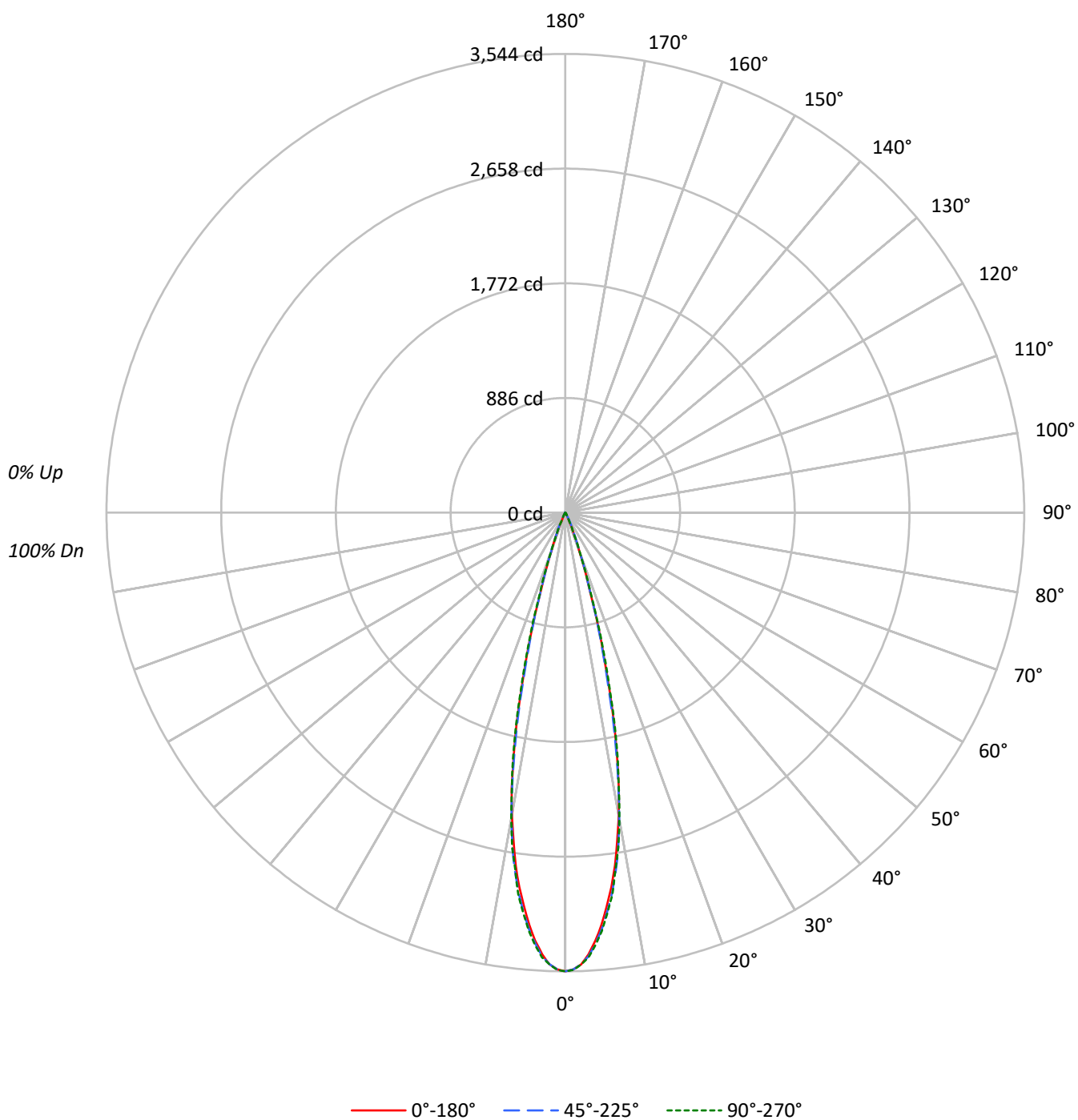
Lumens per Lamp: N/A
Luminaire Lumens: 654.0 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100	100	99	97
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99	97	96	95
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97	95	94	93
4	106	101	98	95	105	100	97	95	99	96	94		97	94	93		95	93	92	91
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93	91	89	88
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		91	89	87	86
7	99	93	89	87	98	93	89	87	92	89	86		91	88	86		90	87	86	85
8	97	91	87	85	96	90	87	85	90	86	84		89	86	84		88	85	84	83
9	95	89	85	83	94	88	85	83	88	85	82		87	84	82		86	84	82	81
10	93	87	83	81	92	86	83	81	86	83	81		85	82	80		85	82	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	610305	610305	610305
5°	553062	558093	560824
10°	415758	418731	420655
15°	205863	199729	213030
20°	58135	59106	59748
25°	10090	19060	11972
30°	3938	4057	4176
35°	1219	1346	1346
40°	382	517	382
45°	292	146	292
50°	161	0	161
55°	180	0	180
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: 0°

Vertical Angle: 45°

Luminance: 292 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.5	43.0
10°-20°	317.5	48.5
20°-30°	49.2	7.5
30°-40°	5.0	0.8
40°-50°	0.7	0.1
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°	648.2	99.1
0°-40°	653.2	99.9
0°-60°	654.0	100.0
0°-90°	654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	654.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3544	3544	3544	3544	3544	
5°	3199	3205	3228	3241	3244	279
15°	1155	1146	1120	1170	1195	316
25°	53	79	100	76	63	45
35°	6	6	6	7	6	5
45°	1	1	1	1	1	1
55°	1	0	0	0	1	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°	3543.7	3543.7	3543.7	3543.7	3543.7
1°	3529.1	3533.8	3528.6	3534.4	3533.8
2°	3492.4	3497.1	3490.6	3494.1	3494.1
3°	3417.2	3427.1	3432.9	3437.0	3440.5
4°	3318.0	3329.1	3337.9	3348.4	3348.4
5°	3199.1	3204.9	3228.2	3241.1	3244.0
6°	3057.4	3080.7	3098.2	3123.9	3108.1
7°	2915.7	2934.9	2959.4	2963.5	2974.6
8°	2754.7	2775.1	2797.9	2793.8	2784.5
9°	2558.8	2588.5	2615.4	2606.6	2618.3
10°	2377.4	2395.5	2394.4	2385.6	2405.4
11°	2166.9	2171.0	2148.3	2183.8	2162.3
12°	1917.3	1920.8	1891.7	1926.7	1948.8
13°	1678.3	1670.1	1629.9	1675.9	1703.9
14°	1403.0	1405.9	1354.6	1443.8	1436.8
15°	1154.6	1146.4	1120.2	1170.4	1194.8
17.5°	615.2	620.5	614.0	639.1	654.9
20°	317.2	326.0	322.5	333.0	326.0
22.5°	164.4	176.7	180.2	172.0	149.9
25°	53.1	78.7	100.3	76.4	63.0
27.5°	32.1	31.5	49.0	33.8	34.4
30°	19.8	19.2	20.4	20.4	21.0
32.5°	11.1	11.7	11.1	12.2	11.7
35°	5.8	6.4	6.4	7.0	6.4
37.5°	3.5	4.1	4.1	4.1	3.5
40°	1.7	2.3	2.3	1.7	1.7
42.5°	1.2	1.2	1.2	1.2	1.2
45°	1.2	0.6	0.6	0.6	1.2
47.5°	0.6	0.6	0.0	0.6	0.6
50°	0.6	0.6	0.0	0.6	0.6
52.5°	0.6	0.0	0.0	0.0	0.6
55°	0.6	0.0	0.0	0.0	0.6
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



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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)