

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: P1326135

Luminaire Tested: LDSQA3D09R25W2N902750DE010 3LSQPHR1MB_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326135
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 3LSQPHR1MB_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 90CRI ,
3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

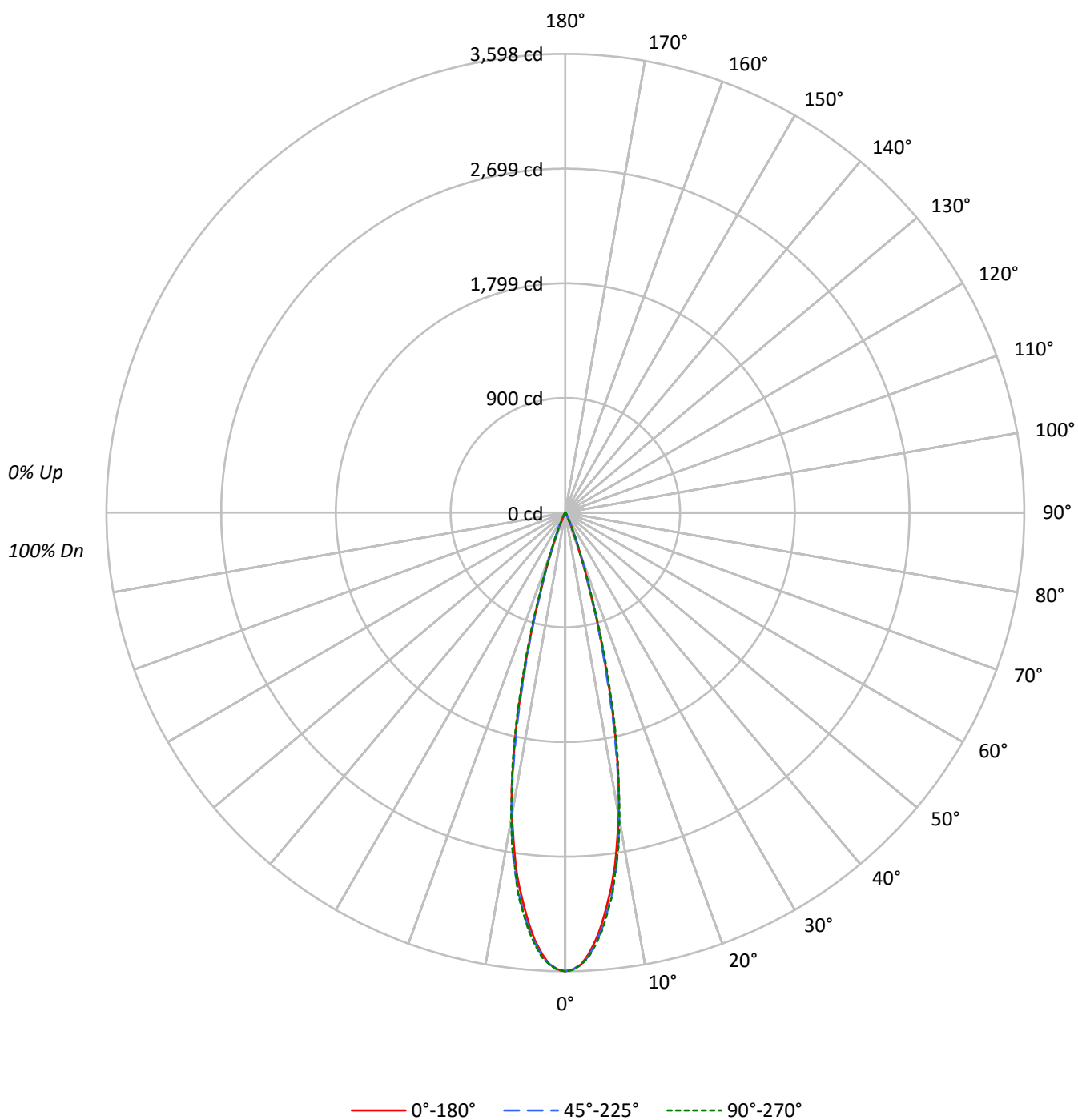
Lumens per Lamp: N/A
Luminaire Lumens: 664.0 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			
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	86	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°	619640	619640	619640
5°	561516	566633	569399
10°	422124	425132	427091
15°	209019	202778	216293
20°	59033	60004	60664
25°	10242	19345	12143
30°	3997	4117	4236
35°	1240	1367	1367
40°	405	540	405
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°	285.8	43.0
10°-20°	322.3	48.5
20°-30°	50.0	7.5
30°-40°	5.1	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°	658.1	99.1
0°-40°	663.2	99.9
0°-60°	664.0	100.0
0°-90°	664.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	664.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3598	3598	3598	3598	3598	
5°	3248	3254	3278	3291	3294	283
15°	1172	1164	1137	1188	1213	321
25°	54	80	102	78	64	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°	3597.9	3597.9	3597.9	3597.9	3597.9
1°	3583.1	3587.8	3582.5	3588.4	3587.8
2°	3545.8	3550.5	3544.0	3547.6	3547.6
3°	3469.4	3479.5	3485.4	3489.6	3493.1
4°	3368.8	3380.0	3388.9	3399.6	3399.6
5°	3248.0	3253.9	3277.6	3290.6	3293.6
6°	3104.1	3127.8	3145.6	3171.6	3155.6
7°	2960.3	2979.8	3004.7	3008.8	3020.1
8°	2796.9	2817.6	2840.7	2836.5	2827.0
9°	2597.9	2628.1	2655.4	2646.5	2658.3
10°	2413.8	2432.1	2431.0	2422.1	2442.2
11°	2200.1	2204.2	2181.1	2217.2	2195.3
12°	1946.7	1950.2	1920.6	1956.1	1978.6
13°	1703.9	1695.6	1654.8	1701.6	1730.0
14°	1424.5	1427.4	1375.3	1465.9	1458.8
15°	1172.3	1164.0	1137.3	1188.2	1213.1
17.5°	624.6	629.9	623.4	648.9	664.9
20°	322.1	331.0	327.4	338.1	331.0
22.5°	167.0	179.4	182.9	174.7	152.2
25°	53.9	79.9	101.8	77.6	63.9
27.5°	32.6	32.0	49.7	34.3	34.9
30°	20.1	19.5	20.7	20.7	21.3
32.5°	11.2	11.8	11.2	12.4	11.8
35°	5.9	6.5	6.5	7.1	6.5
37.5°	3.6	4.1	4.1	4.1	3.6
40°	1.8	2.4	2.4	1.8	1.8
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)