

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: P1324514

Luminaire Tested: LDSQA3D05R25W2N902750DE010 3LSQCDR1MB_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324514
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R25W2N902750DE010 3LSQCDR1MB_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

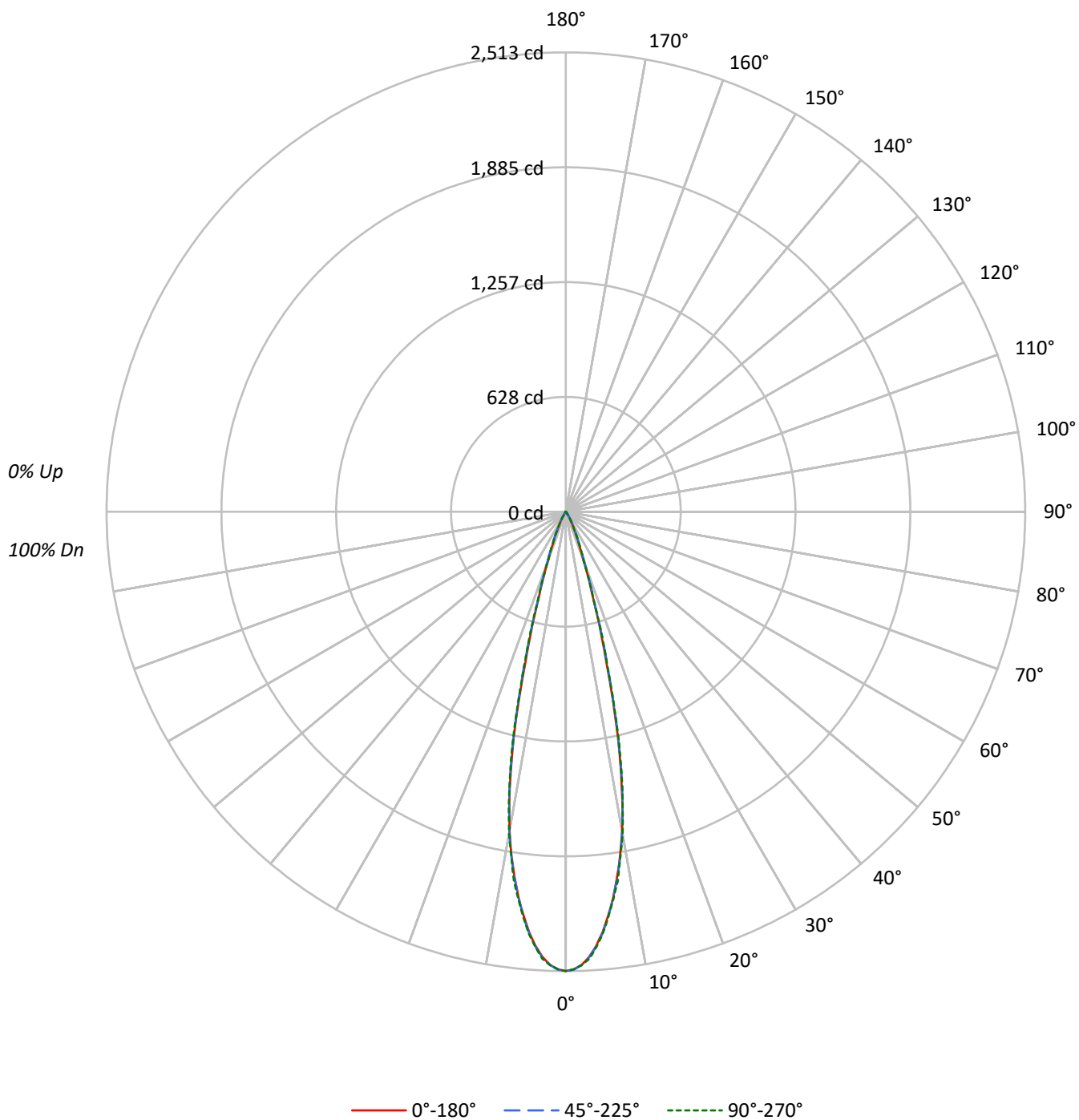
Lumens per Lamp: N/A
Luminaire Lumens: 523.0 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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: P1324514

CATALOG NUMBER: LDSQA3D05R25W2N902750DE010 3LSQCDR1MB_4000K

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	111	110	113	111	110	108	107	106	105		103	103	102		100	99	99	97
2	112	108	105	103	110	107	104	102	104	102	100		101	99	98		98	97	96	94
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96	94	93	92
4	105	100	97	94	104	99	96	93	97	95	92		96	93	91		94	92	90	89
5	103	97	93	90	101	96	93	90	95	92	89		93	91	89		92	90	88	87
6	100	94	90	87	99	93	90	87	92	89	87		91	88	86		90	87	85	84
7	97	91	87	85	96	91	87	84	90	86	84		89	86	84		88	85	83	82
8	95	89	85	82	94	88	85	82	87	84	82		87	84	82		86	83	81	80
9	93	86	83	80	92	86	82	80	85	82	80		85	82	80		84	81	79	78
10	91	84	81	78	90	84	80	78	83	80	78		83	80	78		82	79	77	77

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	432727	432727	432727
5°	398991	399907	400737
10°	309799	310918	312597
15°	153104	159541	159612
20°	51555	55001	52582
25°	21340	23715	21967
30°	8372	10540	8452
35°	2187	4310	2271
40°	809	1709	809
45°	97	487	97
50°	0	107	0
55°	0	0	0
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: 45°

Vertical Angle: 45°

Luminance: 487 cd/sqm

TEST NUMBER: P1324514

CATALOG NUMBER: LDSQA3D05R25W2N902750DE010 3LSQCDR1MB_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.6	38.9
10°-20°	246.3	47.1
20°-30°	60.1	11.5
30°-40°	11.7	2.2
40°-50°	1.3	0.3
50°-60°	0.0	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°	510.0	97.5
0°-40°	521.7	99.7
0°-60°	523.0	100.0
0°-90°	523.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	523.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2513	2513	2513	2513	2513	
5°	2308	2311	2313	2323	2318	203
15°	859	879	895	904	895	242
25°	112	118	125	120	116	57
35°	10	15	20	15	11	9
45°	0	1	2	1	0	1
55°	0	0	0	0	0	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°	2512.6	2512.6	2512.6	2512.6	2512.6
1°	2502.9	2504.6	2505.0	2507.4	2502.5
2°	2480.1	2480.5	2481.7	2486.5	2482.1
3°	2437.9	2440.8	2441.2	2447.6	2448.8
4°	2380.6	2382.2	2385.4	2396.2	2386.6
5°	2307.9	2311.2	2313.2	2323.2	2318.0
6°	2218.1	2218.9	2223.3	2234.9	2227.7
7°	2126.6	2126.2	2126.6	2135.8	2133.8
8°	2016.2	2014.2	2020.7	2031.9	2039.5
9°	1901.1	1903.9	1907.9	1918.7	1909.9
10°	1771.5	1779.1	1777.9	1778.7	1787.5
11°	1622.2	1624.6	1625.0	1633.5	1632.3
12°	1446.9	1446.9	1460.1	1473.8	1469.3
13°	1269.9	1282.4	1273.5	1276.4	1294.0
14°	1063.7	1073.3	1085.4	1096.6	1087.8
15°	858.7	879.1	894.8	903.6	895.2
17.5°	491.9	498.7	512.0	513.6	508.4
20°	281.3	289.7	300.1	296.9	286.9
22.5°	176.9	179.4	189.8	184.6	182.2
25°	112.3	118.4	124.8	119.6	115.6
27.5°	69.8	73.8	80.6	75.0	70.6
30°	42.1	45.7	53.0	45.3	42.5
32.5°	22.1	27.3	33.3	27.7	22.1
35°	10.4	14.8	20.5	14.8	10.8
37.5°	6.4	8.0	12.4	8.0	6.4
40°	3.6	5.2	7.6	5.2	3.6
42.5°	1.6	2.8	3.6	2.8	2.0
45°	0.4	1.2	2.0	1.2	0.4
47.5°	0.0	0.0	1.2	0.4	0.0
50°	0.0	0.0	0.4	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
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



TEST NUMBER: P1324514

CATALOG NUMBER: LDSQA3D05R25W2N902750DE010 3LSQCDR1MB_4000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)