

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: P1324172

Luminaire Tested: LDSQA3D05R15W2N902750DE010 3LSQCDR1MB_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R15W2N902750DE010 3LSQCDR1MB_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3500K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

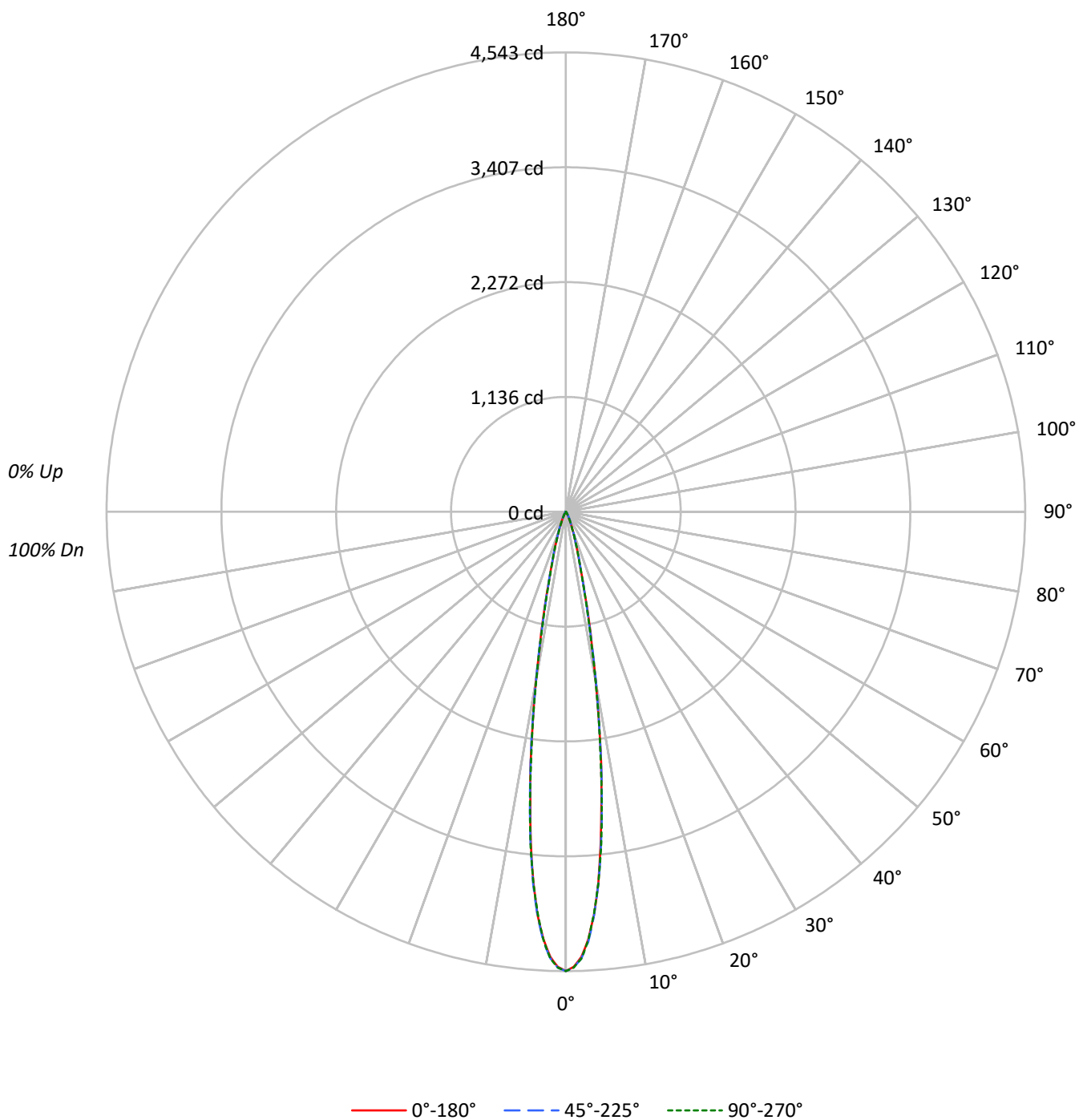
Lumens per Lamp: N/A
Luminaire Lumens: 507.0 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	97	94	92	102	97	94	91	96	93	91		94	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	88		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		90
9	97	92	88	86	96	91	88	86	90	88	86		90	87	85		89
10	95	90	87	84	95	90	86	84	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	782356	782356	782356
5°	636978	639070	637808
10°	297138	299796	296018
15°	93303	94088	93517
20°	36967	38433	35794
25°	14936	18053	14404
30°	5986	8213	5668
35°	1766	3616	1682
40°	540	1349	450
45°	97	292	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: 292 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.4	56.1
10°-20°	170.1	33.6
20°-30°	42.9	8.5
30°-40°	8.8	1.7
40°-50°	0.8	0.2
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°	497.4	98.1
0°-40°	506.2	99.8
0°-60°	507.0	100.0
0°-90°	507.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	507.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4543	4543	4543	4543	4543	
5°	3684	3678	3697	3687	3689	284
15°	523	528	528	520	524	170
25°	79	86	95	84	76	40
35°	8	11	17	11	8	7
45°	0	1	1	1	0	0
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°	4542.7	4542.7	4542.7	4542.7	4542.7
1°	4501.8	4517.0	4509.0	4515.4	4508.2
2°	4404.4	4424.8	4418.4	4416.4	4422.0
3°	4232.7	4256.4	4255.6	4249.6	4239.9
4°	3998.5	3988.9	4003.7	4002.1	3985.7
5°	3684.5	3677.7	3696.6	3687.3	3689.3
6°	3300.4	3330.0	3323.6	3324.4	3332.0
7°	2887.7	2903.8	2917.4	2928.6	2913.0
8°	2508.8	2504.7	2505.9	2518.8	2475.5
9°	2084.5	2109.3	2093.3	2067.6	2084.1
10°	1699.1	1714.3	1714.3	1691.9	1692.7
11°	1354.6	1367.1	1358.2	1363.9	1328.6
12°	1092.0	1061.1	1053.9	1059.5	1059.1
13°	833.7	835.7	833.7	833.3	829.3
14°	653.7	664.1	659.7	648.8	644.0
15°	523.3	527.7	527.7	520.1	524.5
17.5°	314.4	319.6	320.8	315.6	315.6
20°	201.7	204.1	209.7	202.1	195.3
22.5°	124.3	129.5	139.2	127.9	122.3
25°	78.6	85.8	95.0	84.2	75.8
27.5°	49.3	55.3	63.4	52.9	47.7
30°	30.1	34.1	41.3	33.3	28.5
32.5°	16.8	20.1	26.1	19.2	16.0
35°	8.4	11.2	17.2	10.8	8.0
37.5°	4.8	6.0	10.8	5.2	4.4
40°	2.4	3.2	6.0	3.2	2.0
42.5°	0.8	1.6	2.4	1.6	0.8
45°	0.4	0.8	1.2	0.8	0.4
47.5°	0.0	0.0	0.4	0.0	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



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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)