

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: P1324183

Luminaire Tested: LDSQA3D05R15W2N902750DE010 3LSQCDR1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324183
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R15W2N902750DE010 3LSQCDR1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

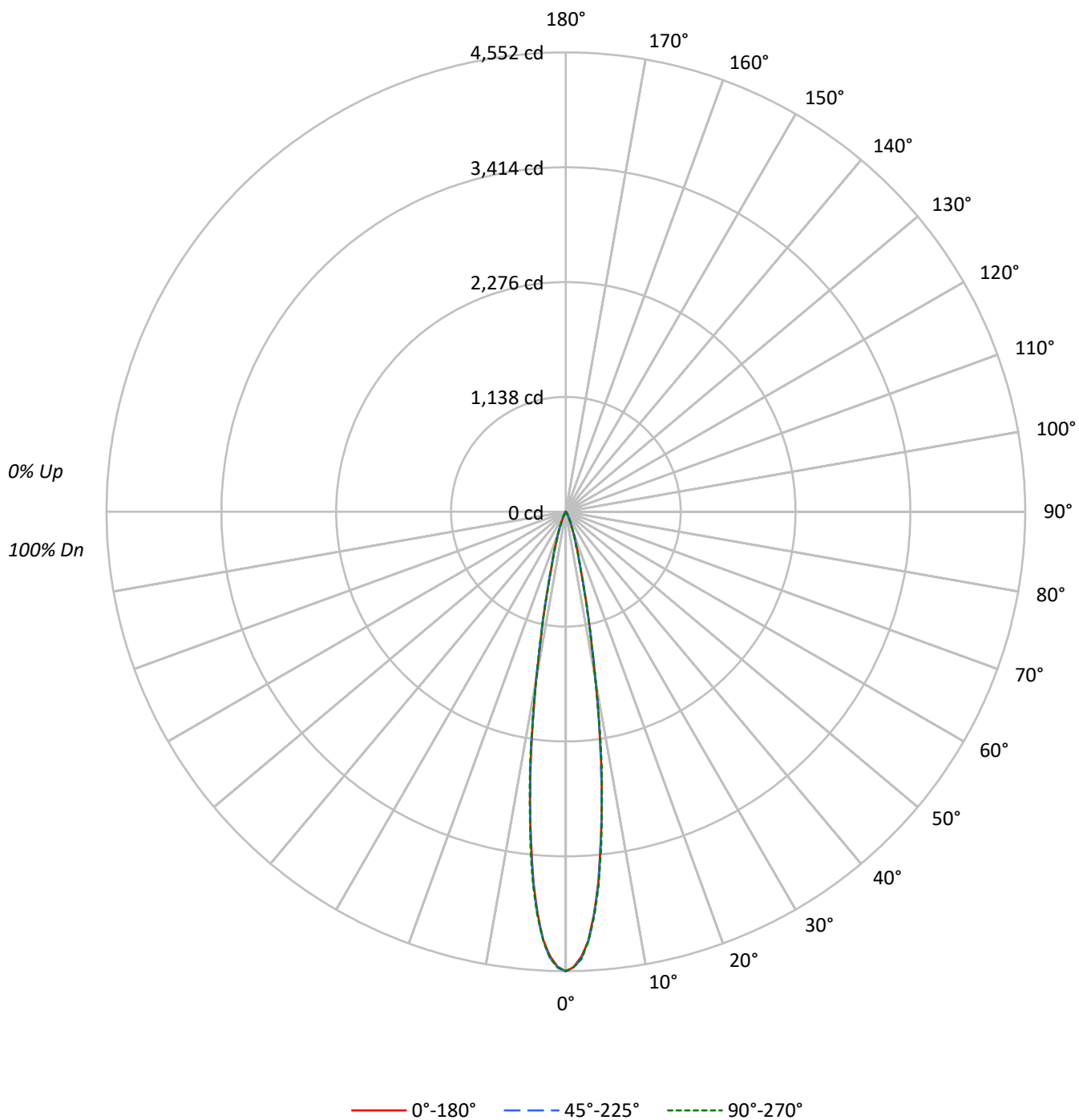
Lumens per Lamp: N/A
Luminaire Lumens: 511.0 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1324183

CATALOG NUMBER: LDSQA3D05R15W2N902750DE010 3LSQCDR1MW_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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	98		
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96		
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94		
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	92		
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	90		
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	88		
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	87		
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	85		
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	84		
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	83		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	783940	783940	783940
5°	637445	639675	641888
10°	296875	297155	295529
15°	91859	95140	93357
20°	36618	38671	36179
25°	15316	18072	14556
30°	6224	8293	5747
35°	2018	3805	1850
40°	719	1529	719
45°	292	487	292
50°	214	322	214
55°	240	240	240
60°	276	276	276
65°	163	163	163
70°	201	201	201
75°	266	266	266
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 487 cd/sqm

TEST NUMBER: P1324183

CATALOG NUMBER: LDSQA3D05R15W2N902750DE010 3LSQCDR1MW_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.9	55.8
10°-20°	170.4	33.3
20°-30°	43.4	8.5
30°-40°	9.4	1.8
40°-50°	1.5	0.3
50°-60°	0.7	0.1
60°-70°	0.4	0.1
70°-80°	0.3	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°	498.6	97.6
0°-40°	508.0	99.4
0°-60°	510.3	99.9
0°-90°	511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	511.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4552	4552	4552	4552	4552	
5°	3687	3692	3700	3683	3713	284
15°	515	530	534	526	524	170
25°	81	86	95	84	77	41
35°	10	12	18	12	9	8
45°	1	2	2	2	1	1
55°	1	1	1	1	1	1
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	0

TEST NUMBER: P1324183

CATALOG NUMBER: LDSQA3D05R15W2N902750DE010 3LSQCDR1MW_4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4551.9	4551.9	4551.9	4551.9	4551.9
1°	4512.1	4519.8	4521.0	4519.8	4513.3
2°	4410.6	4433.1	4428.3	4418.7	4432.3
3°	4253.8	4265.0	4263.4	4264.2	4261.0
4°	3998.6	4018.2	4007.0	4015.4	4016.2
5°	3687.2	3692.4	3700.1	3683.2	3712.9
6°	3304.1	3337.4	3308.1	3337.0	3348.6
7°	2914.5	2933.7	2896.4	2916.5	2928.5
8°	2516.1	2482.4	2502.8	2503.2	2542.9
9°	2086.0	2092.8	2110.0	2090.4	2107.6
10°	1697.6	1713.2	1699.2	1692.4	1689.9
11°	1340.5	1358.1	1356.9	1358.9	1345.7
12°	1078.5	1069.3	1075.3	1055.6	1064.4
13°	839.4	839.8	834.9	826.9	819.7
14°	657.6	653.6	664.8	654.8	645.6
15°	515.2	529.6	533.6	526.0	523.6
17.5°	317.8	318.2	323.8	316.6	315.8
20°	199.8	204.6	211.0	203.4	197.4
22.5°	126.4	130.8	140.8	131.2	122.8
25°	80.6	86.3	95.1	84.3	76.6
27.5°	50.6	55.8	64.2	54.2	48.5
30°	31.3	34.9	41.7	34.1	28.9
32.5°	18.1	21.7	27.3	20.5	17.3
35°	9.6	12.4	18.1	12.0	8.8
37.5°	5.6	7.2	11.6	6.4	5.2
40°	3.2	4.4	6.8	4.0	3.2
42.5°	2.0	2.8	3.2	2.4	1.6
45°	1.2	1.6	2.0	1.6	1.2
47.5°	0.8	1.2	1.6	0.8	0.8
50°	0.8	0.8	1.2	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	0.8
60°	0.8	0.8	0.8	0.8	0.8
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
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: P1324183

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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)