

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: P1324180

Luminaire Tested: LDSQA3D05R15W2N902750DE010 3LSQCDR1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324180
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

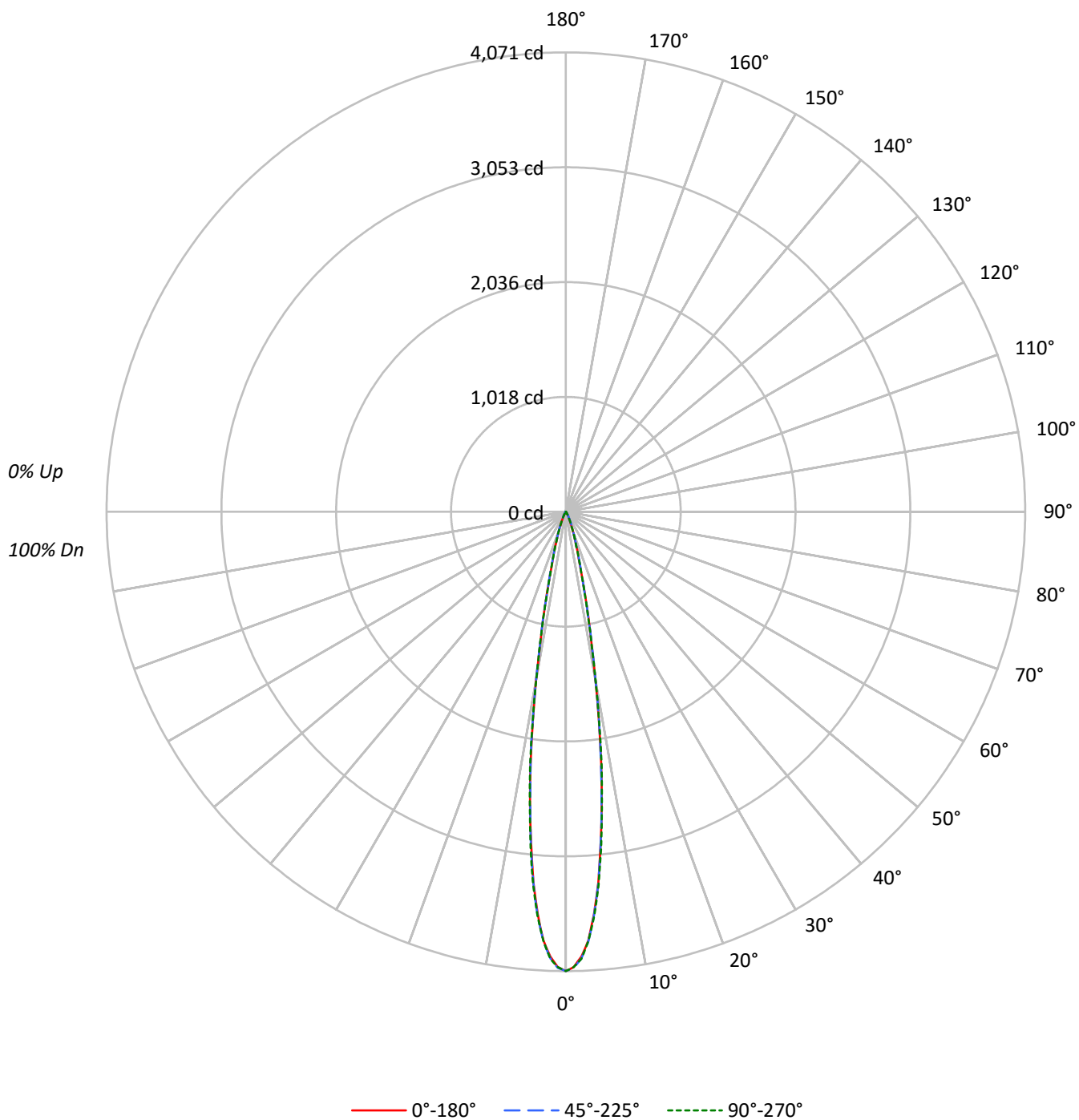
Lumens per Lamp: N/A
Luminaire Lumens: 457.0 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	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	86	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°	701084	701084	701084
5°	570091	572079	574050
10°	265502	265747	264313
15°	82142	85084	83497
20°	32751	34584	32348
25°	13701	16152	13017
30°	5568	7418	5131
35°	1808	3385	1661
40°	652	1371	652
45°	268	438	268
50°	188	295	188
55°	210	210	210
60°	241	241	241
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: 438 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.8	55.8
10°-20°	152.3	33.3
20°-30°	38.8	8.5
30°-40°	8.4	1.8
40°-50°	1.4	0.3
50°-60°	0.6	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°	445.9	97.6
0°-40°	454.3	99.4
0°-60°	456.3	99.8
0°-90°	457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	457.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4071	4071	4071	4071	4071	
5°	3298	3302	3309	3294	3320	254
15°	461	474	477	470	468	152
25°	72	77	85	75	68	37
35°	9	11	16	11	8	7
45°	1	1	2	1	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

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4070.8	4070.8	4070.8	4070.8	4070.8
1°	4035.3	4042.1	4043.2	4042.1	4036.4
2°	3944.5	3964.6	3960.3	3951.7	3963.9
3°	3804.2	3814.3	3812.8	3813.6	3810.7
4°	3576.0	3593.6	3583.6	3591.1	3591.8
5°	3297.6	3302.2	3309.1	3294.0	3320.5
6°	2954.9	2984.7	2958.5	2984.3	2994.7
7°	2606.5	2623.7	2590.3	2608.3	2619.0
8°	2250.2	2220.0	2238.3	2238.7	2274.2
9°	1865.5	1871.6	1887.0	1869.5	1884.9
10°	1518.2	1532.2	1519.6	1513.5	1511.4
11°	1198.8	1214.6	1213.5	1215.3	1203.5
12°	964.5	956.3	961.6	944.1	952.0
13°	750.7	751.0	746.7	739.5	733.1
14°	588.1	584.5	594.6	585.6	577.3
15°	460.7	473.6	477.2	470.4	468.3
17.5°	284.2	284.5	289.6	283.1	282.4
20°	178.7	183.0	188.7	181.9	176.5
22.5°	113.0	117.0	125.9	117.3	109.8
25°	72.1	77.1	85.0	75.4	68.5
27.5°	45.2	49.9	57.4	48.4	43.4
30°	28.0	31.2	37.3	30.5	25.8
32.5°	16.1	19.4	24.4	18.3	15.4
35°	8.6	11.1	16.1	10.8	7.9
37.5°	5.0	6.5	10.4	5.7	4.7
40°	2.9	3.9	6.1	3.6	2.9
42.5°	1.8	2.5	2.9	2.2	1.4
45°	1.1	1.4	1.8	1.4	1.1
47.5°	0.7	1.1	1.4	0.7	0.7
50°	0.7	0.7	1.1	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7
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



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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)