

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: P1324521

Luminaire Tested: LDSQA3D05R25W2N902750DE010 3LSQCDR1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324521
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R25W2N902750DE010 3LSQCDR1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

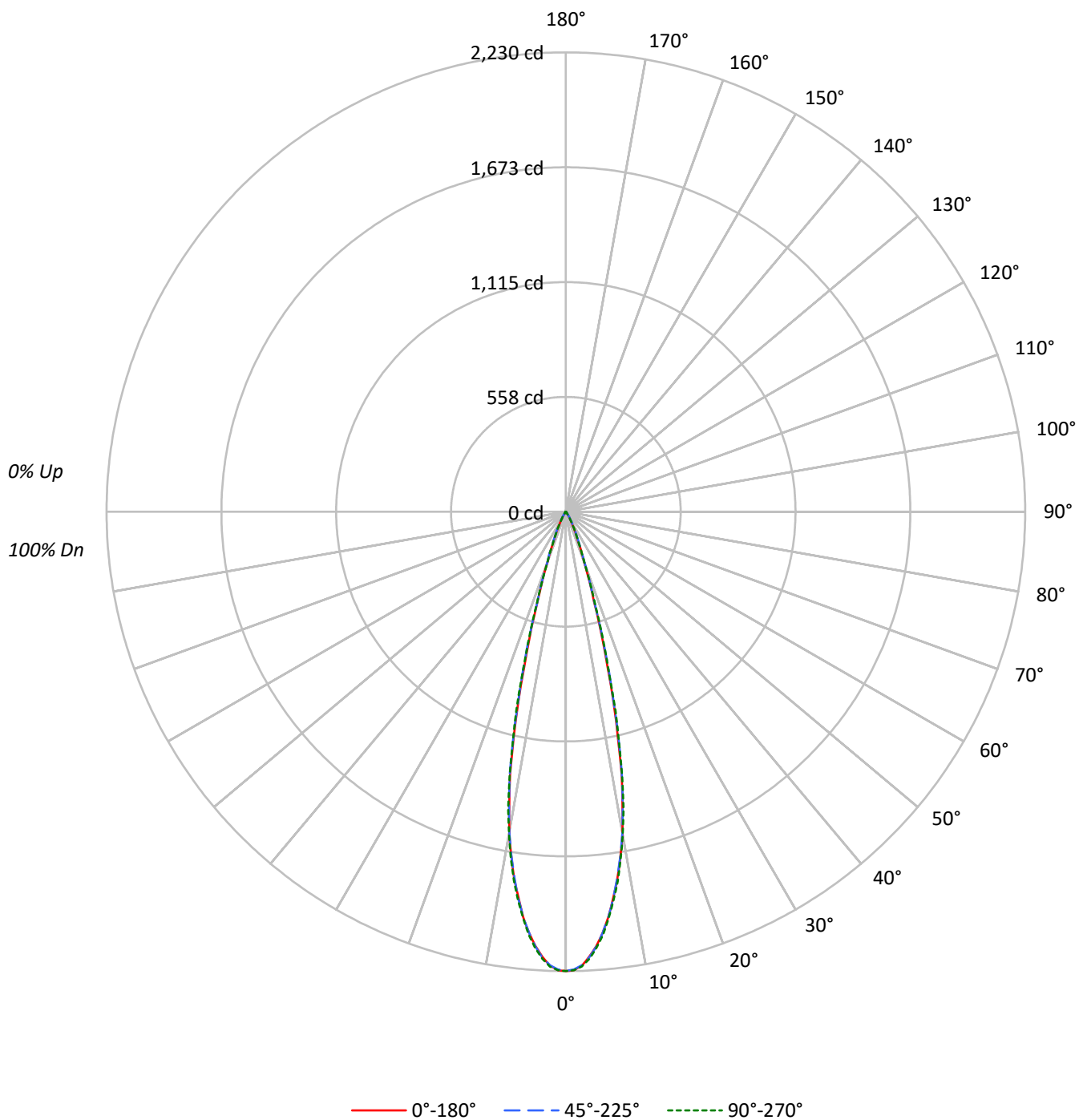
Lumens per Lamp: N/A
Luminaire Lumens: 471.1 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97	97	97
2	112	108	105	103	110	106	104	102	103	101	100	101	99	97	98	97	95	94	94	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	91	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86	86	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84	84	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	82	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	80	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78	78	78
10	90	84	80	78	89	83	80	77	83	80	77	82	79	77	82	79	77	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	383970	383970	383970
5°	354664	354543	356531
10°	277044	276292	278181
15°	139376	145206	145063
20°	47688	49008	48220
25°	19174	21549	19991
30°	7776	9287	7557
35°	2271	4079	2271
40°	1057	1776	1057
45°	341	706	341
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	397	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 706 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.9	38.4
10°-20°	221.4	47.0
20°-30°	54.1	11.5
30°-40°	11.2	2.4
40°-50°	2.0	0.4
50°-60°	0.6	0.1
60°-70°	0.5	0.1
70°-80°	0.4	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°	456.4	96.9
0°-40°	467.5	99.3
0°-60°	470.1	99.8
0°-90°	471.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	471.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2230	2230	2230	2230	2230	
5°	2052	2053	2051	2055	2062	181
15°	782	795	814	818	814	218
25°	101	106	113	107	105	52
35°	11	15	19	15	11	9
45°	1	2	3	2	1	1
55°	1	1	1	1	1	1
65°	0	1	0	0	0	1
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°	2229.5	2229.5	2229.5	2229.5	2229.5
1°	2225.2	2222.4	2221.6	2222.0	2225.6
2°	2205.1	2203.3	2203.0	2204.0	2209.1
3°	2164.2	2166.4	2167.1	2170.7	2173.2
4°	2114.0	2118.3	2116.5	2120.8	2123.7
5°	2051.5	2053.3	2050.8	2055.1	2062.3
6°	1978.7	1972.2	1978.3	1980.1	1985.1
7°	1887.9	1889.3	1891.4	1893.6	1901.1
8°	1798.5	1794.2	1793.1	1803.1	1809.2
9°	1694.0	1694.8	1690.8	1702.3	1704.1
10°	1584.2	1575.2	1579.9	1588.9	1590.7
11°	1439.2	1436.7	1443.5	1457.5	1468.6
12°	1303.2	1304.6	1311.8	1316.5	1314.0
13°	1123.4	1134.1	1143.1	1147.8	1141.7
14°	960.8	960.8	972.3	974.1	996.0
15°	781.7	795.0	814.4	817.9	813.6
17.5°	451.5	453.3	462.6	462.3	469.1
20°	260.2	262.7	267.4	266.3	263.1
22.5°	156.5	161.9	173.0	164.0	161.5
25°	100.9	105.5	113.4	107.0	105.2
27.5°	63.2	66.4	72.5	66.8	63.9
30°	39.1	40.9	46.7	41.3	38.0
32.5°	21.2	25.8	30.5	25.8	21.2
35°	10.8	15.1	19.4	14.7	10.8
37.5°	7.2	8.6	12.6	8.3	7.2
40°	4.7	5.7	7.9	5.7	4.7
42.5°	2.5	3.6	4.3	3.9	2.5
45°	1.4	2.2	2.9	2.2	1.4
47.5°	1.1	1.1	1.8	1.1	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°	0.7	0.7	0.7	0.7	0.7
65°	0.4	0.7	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°	0.4	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.4	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)