

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: P1324552

Luminaire Tested: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324552
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

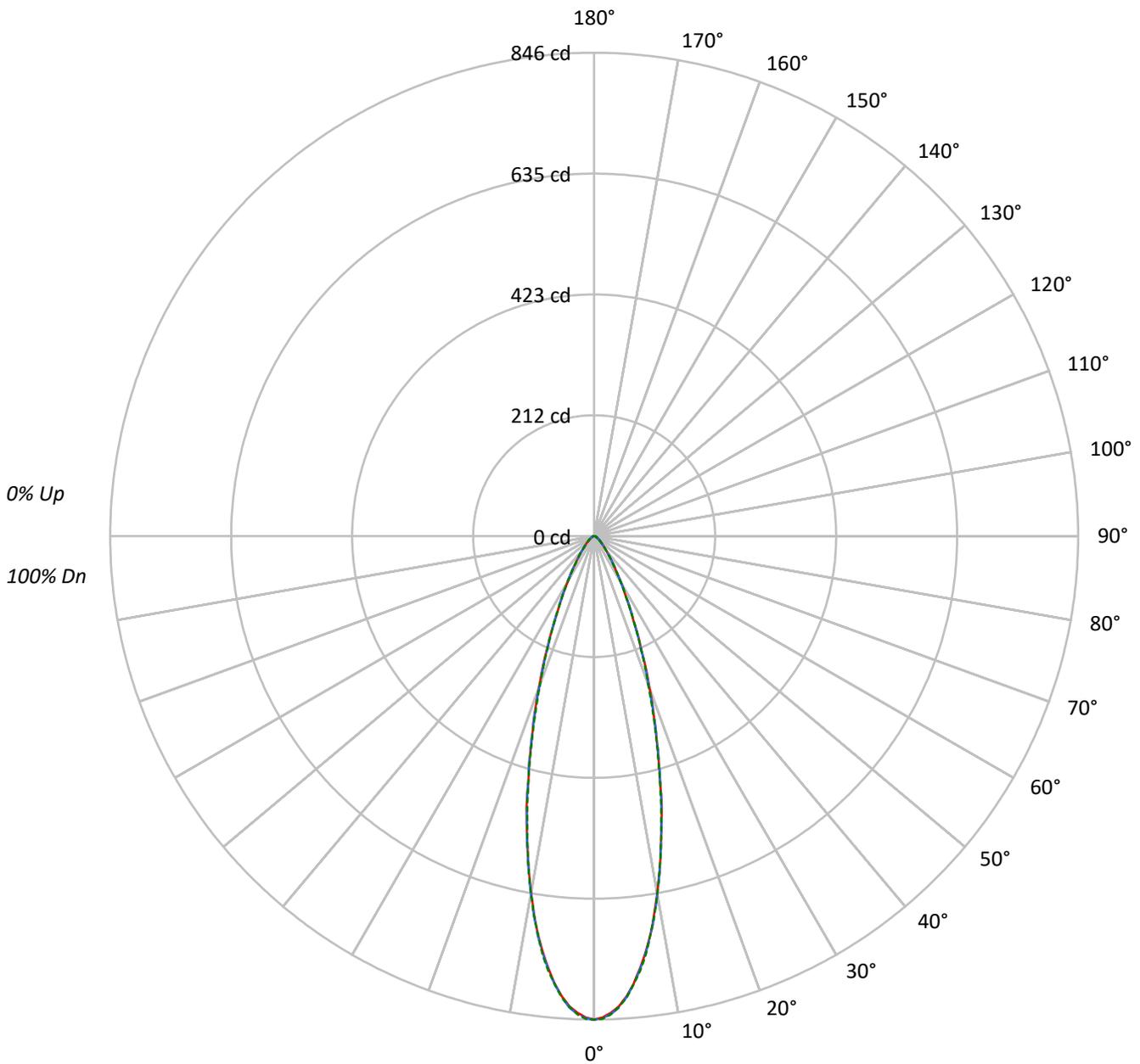
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 339.0 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
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: P1324552
CATALOG NUMBER: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MW_3000K

Luminous Intensity Polar Plot



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1324552
 CATALOG NUMBER: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MW_3000K

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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73	79	75	72	78	75	72	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	145718	145718	145718
5°	136005	136143	136213
10°	110926	111276	111276
15°	79236	79664	79236
20°	51849	51354	50621
25°	30822	30974	30822
30°	18574	18574	18494
35°	11311	11395	11311
40°	7217	7284	7284
45°	5017	5017	5017
50°	3617	3724	3724
55°	2852	2852	2973
60°	2308	2446	2446
65°	2078	2078	2078
70°	1813	1813	2014
75°	1597	1597	1863
80°	1587	1587	1587
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5017 cd/sqm



TEST NUMBER: P1324552

CATALOG NUMBER: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MW_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.3	20.7
10°-20°	122.5	36.1
20°-30°	77.0	22.7
30°-40°	35.2	10.4
40°-50°	16.5	4.9
50°-60°	8.9	2.6
60°-70°	5.2	1.5
70°-80°	2.7	0.8
80°-90°	0.6	0.2
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°	269.9	79.6
0°-40°	305.1	90.0
0°-60°	330.5	97.5
0°-90°	339.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	339.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	846	846	846	846	846	
5°	787	788	788	788	788	70
15°	444	447	447	448	444	123
25°	162	164	163	163	162	77
35°	54	54	54	54	54	35
45°	21	21	21	21	21	16
55°	10	10	10	10	10	9
65°	5	5	5	5	5	5
75°	2	2	2	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



TEST NUMBER: P1324552

CATALOG NUMBER: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MW_3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	846.1	846.1	846.1	846.1	846.1
1°	842.5	843.3	844.1	845.3	844.9
2°	834.6	836.2	836.6	838.1	837.7
3°	823.9	823.5	826.7	826.7	824.7
4°	807.3	808.1	808.9	809.6	810.0
5°	786.7	788.3	787.5	788.3	787.9
6°	761.4	763.7	763.3	764.1	765.3
7°	734.5	736.0	736.0	735.2	738.4
8°	705.2	704.0	706.0	705.2	704.8
9°	670.4	672.7	673.1	671.1	671.9
10°	634.3	635.9	636.3	637.5	636.3
11°	598.7	598.7	599.5	601.5	598.3
12°	559.9	563.5	559.9	561.5	559.9
13°	523.1	523.9	523.1	522.7	520.0
14°	488.3	485.5	486.3	483.2	483.6
15°	444.4	447.2	446.8	447.6	444.4
17.5°	357.3	358.9	358.5	357.7	353.8
20°	282.9	282.9	280.2	278.6	276.2
22.5°	216.1	215.3	214.1	212.9	213.7
25°	162.2	164.2	163.0	163.0	162.2
27.5°	122.7	125.0	123.1	121.9	122.7
30°	93.4	94.2	93.4	93.0	93.0
32.5°	70.4	70.8	70.4	70.4	70.4
35°	53.8	53.8	54.2	54.2	53.8
37.5°	41.6	41.6	41.6	41.6	41.9
40°	32.1	32.4	32.4	32.4	32.4
42.5°	25.3	25.7	25.7	25.7	25.7
45°	20.6	20.6	20.6	20.6	20.6
47.5°	16.6	16.6	16.6	16.6	17.0
50°	13.5	13.9	13.9	13.9	13.9
52.5°	11.5	11.5	11.5	11.5	11.5
55°	9.5	9.5	9.5	9.9	9.9
57.5°	7.9	7.9	8.3	8.3	8.3
60°	6.7	7.1	7.1	7.1	7.1
62.5°	5.9	5.9	6.3	6.3	6.3
65°	5.1	5.1	5.1	5.1	5.1
67.5°	4.4	4.4	4.4	4.4	4.7
70°	3.6	3.6	3.6	4.0	4.0
72.5°	3.2	3.2	3.2	3.2	3.2
75°	2.4	2.4	2.4	2.8	2.8
77.5°	2.0	2.0	2.0	2.0	2.0
80°	1.6	1.6	1.6	1.6	1.6
82.5°	0.8	0.8	1.2	1.2	1.2
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1324552
CATALOG NUMBER: LDSQA3D05R25W2N902750DE010 3LSQPHRL1MW_3000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)