

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: P1315348

Luminaire Tested: LDSQA3D05R509735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315348
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R509735DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

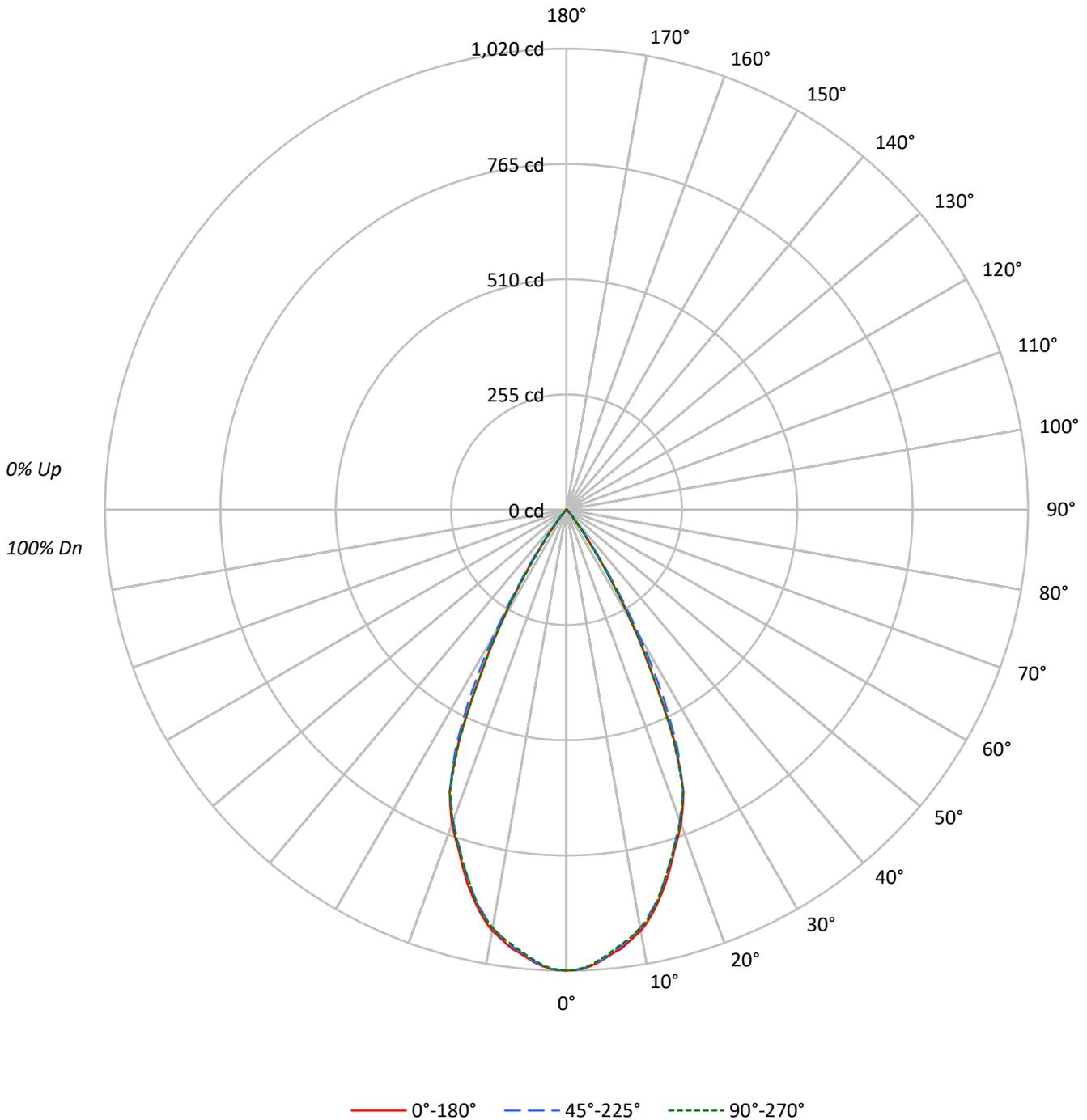
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 657.0 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (A_{in}): 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: P1315348
CATALOG NUMBER: LDSQA3D05R509735DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1315348

CATALOG NUMBER: LDSQA3D05R509735DE010 3LSQCDR1MW

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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	175581	175581	175581
5°	172137	171809	171325
10°	165401	164264	164334
15°	151839	150430	150252
20°	135642	134194	134872
25°	106605	109721	105731
30°	57035	63896	57214
35°	18628	21760	17555
40°	4609	5778	4406
45°	560	2046	560
50°	375	616	375
55°	420	420	420
60°	310	310	310
65°	367	367	367
70°	252	252	252
75°	333	333	333
80°	496	496	496
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2046 cd/sqm



TEST NUMBER: P1315348

CATALOG NUMBER: LDSQA3D05R509735DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	14.2
10°-20°	235.8	35.9
20°-30°	248.0	37.7
30°-40°	71.5	10.9
40°-50°	5.8	0.9
50°-60°	1.3	0.2
60°-70°	0.9	0.1
70°-80°	0.5	0.1
80°-90°	0.1	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°	577.0	87.8
0°-40°	648.4	98.7
0°-60°	655.5	99.8
0°-90°	657.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	657.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1020	1020	1020	1020	1020	
5°	996	995	994	995	991	93
15°	852	846	844	844	843	237
25°	561	575	577	571	556	243
35°	89	92	104	89	84	68
45°	2	5	8	5	2	4
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1315348

CATALOG NUMBER: LDSQA3D05R509735DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1019.5	1019.5	1019.5	1019.5	1019.5
1°	1019.0	1020.0	1018.1	1021.3	1018.6
2°	1016.7	1017.2	1016.2	1018.6	1014.8
3°	1011.1	1012.0	1010.2	1012.0	1008.8
4°	1004.6	1004.6	1002.7	1004.1	999.9
5°	995.7	995.2	993.8	994.8	991.0
6°	986.4	985.9	983.6	983.6	980.8
7°	979.4	976.1	974.2	973.8	971.0
8°	968.2	967.3	963.5	963.5	961.7
9°	957.0	956.1	951.9	952.8	951.4
10°	945.8	942.5	939.3	939.7	939.7
11°	930.9	928.1	923.4	925.3	926.2
12°	913.2	909.9	905.7	909.4	909.0
13°	893.6	890.8	887.5	890.3	889.4
14°	873.0	868.8	866.0	867.9	867.0
15°	851.6	846.0	843.7	843.7	842.7
17.5°	791.4	788.2	785.8	784.4	787.7
20°	740.1	737.3	732.2	733.6	735.9
22.5°	675.8	675.3	672.5	670.2	673.0
25°	561.0	575.0	577.4	570.8	556.4
27.5°	407.6	440.3	451.9	436.5	409.9
30°	286.8	302.2	321.3	291.0	287.7
32.5°	173.0	177.2	194.9	174.0	169.3
35°	88.6	91.9	103.5	88.6	83.5
37.5°	41.5	43.4	48.0	41.5	38.7
40°	20.5	22.9	25.7	21.5	19.6
42.5°	8.9	11.7	14.9	11.2	7.9
45°	2.3	4.7	8.4	4.7	2.3
47.5°	1.4	1.9	4.7	1.9	1.4
50°	1.4	1.4	2.3	1.4	1.4
52.5°	1.4	1.4	1.4	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	1.4
60°	0.9	1.4	0.9	1.4	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.5	0.0	0.5	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: P1315348
CATALOG NUMBER: LDSQA3D05R509735DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)