

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: P1310122

Luminaire Tested: LDSQA3D05R709035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310122
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R709035DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

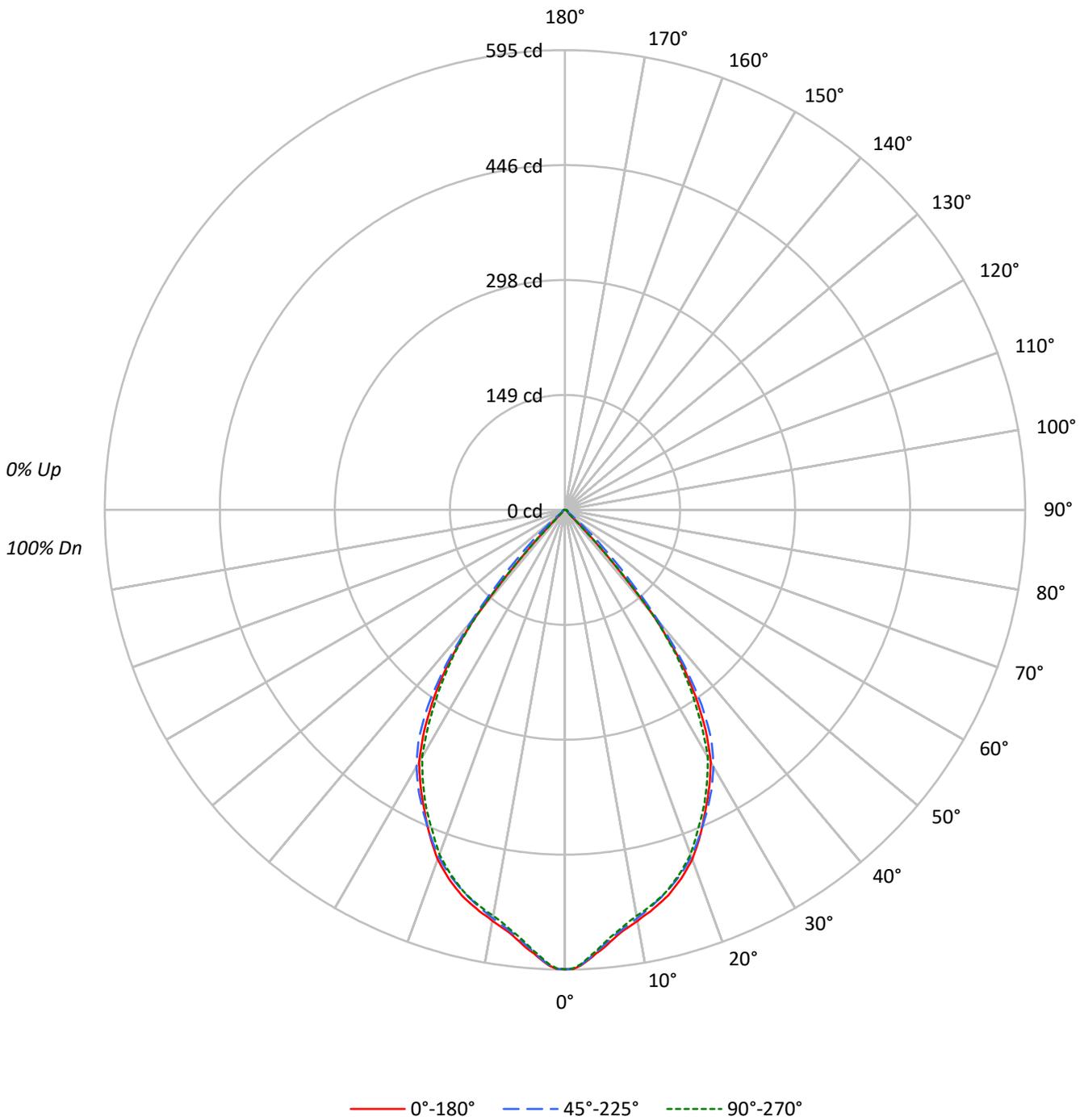
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 634.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
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: P1310122
CATALOG NUMBER: LDSQA3D05R709035DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1310122

CATALOG NUMBER: LDSQA3D05R709035DE010 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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	102404	102404	102404
5°	98438	97902	97539
10°	94435	93893	93263
15°	92055	91039	90950
20°	88192	87532	86964
25°	81654	82244	80685
30°	75012	76344	73461
35°	61854	64776	59478
40°	39389	42401	39389
45°	2752	18316	3020
50°	1232	3724	1232
55°	1381	1381	1381
60°	1412	1412	1412
65°	1263	1467	1263
70°	1309	1561	1309
75°	1397	1397	1397
80°	1488	1488	1488
85°	988	1976	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 18316 cd/sqm



TEST NUMBER: P1310122

CATALOG NUMBER: LDSQA3D05R709035DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	8.4
10°-20°	143.7	22.7
20°-30°	197.5	31.1
30°-40°	180.9	28.5
40°-50°	48.0	7.6
50°-60°	4.3	0.7
60°-70°	3.5	0.6
70°-80°	2.3	0.4
80°-90°	0.9	0.1
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°	394.2	62.2
0°-40°	575.0	90.7
0°-60°	627.3	98.9
0°-90°	634.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	634.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	595	595	595	595	595	
5°	569	567	566	565	564	53
15°	516	512	511	511	510	145
25°	430	431	433	428	425	198
35°	294	299	308	294	283	178
45°	11	39	75	39	12	34
55°	5	5	5	5	5	4
65°	3	4	4	4	3	3
75°	2	2	2	2	2	2
85°	0	1	1	1	0	1
90°	0	0	0	0	0	



TEST NUMBER: P1310122

CATALOG NUMBER: LDSQA3D05R709035DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	594.6	594.6	594.6	594.6	594.6
1°	594.6	593.6	594.6	594.6	593.6
2°	590.0	588.9	589.4	588.9	588.4
3°	583.3	581.7	582.2	581.2	580.2
4°	575.5	574.0	574.0	573.5	572.4
5°	569.4	566.8	566.3	565.2	564.2
6°	562.1	559.6	559.0	557.5	556.5
7°	554.9	552.9	552.4	550.3	550.3
8°	549.3	546.7	546.7	544.1	544.1
9°	544.6	541.5	541.5	539.5	538.4
10°	540.0	536.9	536.9	534.3	533.3
11°	535.3	532.8	531.7	530.2	529.7
12°	531.2	527.6	526.6	526.1	525.0
13°	526.1	522.5	521.4	520.9	520.4
14°	521.4	516.8	516.3	515.3	515.8
15°	516.3	511.6	510.6	510.6	510.1
17.5°	500.3	497.2	495.7	494.6	493.6
20°	481.2	478.7	477.6	475.6	474.5
22.5°	456.5	456.0	455.5	452.9	448.8
25°	429.7	431.3	432.8	427.7	424.6
27.5°	404.0	408.1	409.6	404.5	397.8
30°	377.2	380.8	383.9	376.7	369.4
32.5°	338.5	347.3	351.9	343.7	327.2
35°	294.2	298.8	308.1	294.2	282.9
37.5°	242.7	245.3	252.5	243.2	235.5
40°	175.2	182.9	188.6	182.9	175.2
42.5°	78.8	110.3	124.7	116.4	82.4
45°	11.3	38.6	75.2	39.2	12.4
47.5°	4.6	6.2	39.2	5.7	4.6
50°	4.6	4.6	13.9	4.6	4.6
52.5°	4.6	4.6	5.2	4.6	4.6
55°	4.6	4.6	4.6	4.6	4.6
57.5°	4.1	4.1	4.6	4.1	4.1
60°	4.1	4.1	4.1	4.1	4.1
62.5°	3.6	4.1	4.1	4.1	3.6
65°	3.1	3.6	3.6	3.6	3.1
67.5°	3.1	3.1	3.1	3.1	3.1
70°	2.6	3.1	3.1	3.1	2.6
72.5°	2.6	2.6	2.6	2.6	2.6
75°	2.1	2.1	2.1	2.1	2.1
77.5°	1.5	2.1	2.1	2.1	1.5
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	1.0	1.0	1.0	0.5
87.5°	0.5	0.5	0.5	0.5	0.5



TEST NUMBER: P1310122
CATALOG NUMBER: LDSQA3D05R709035DE010 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)