

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: P1309164

Luminaire Tested: LDSQA3D09R709030DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309164
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709030DE010 3LSQCLDWWR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCLDWWR1MW TR
Light Source: -
Ballast/Driver: -

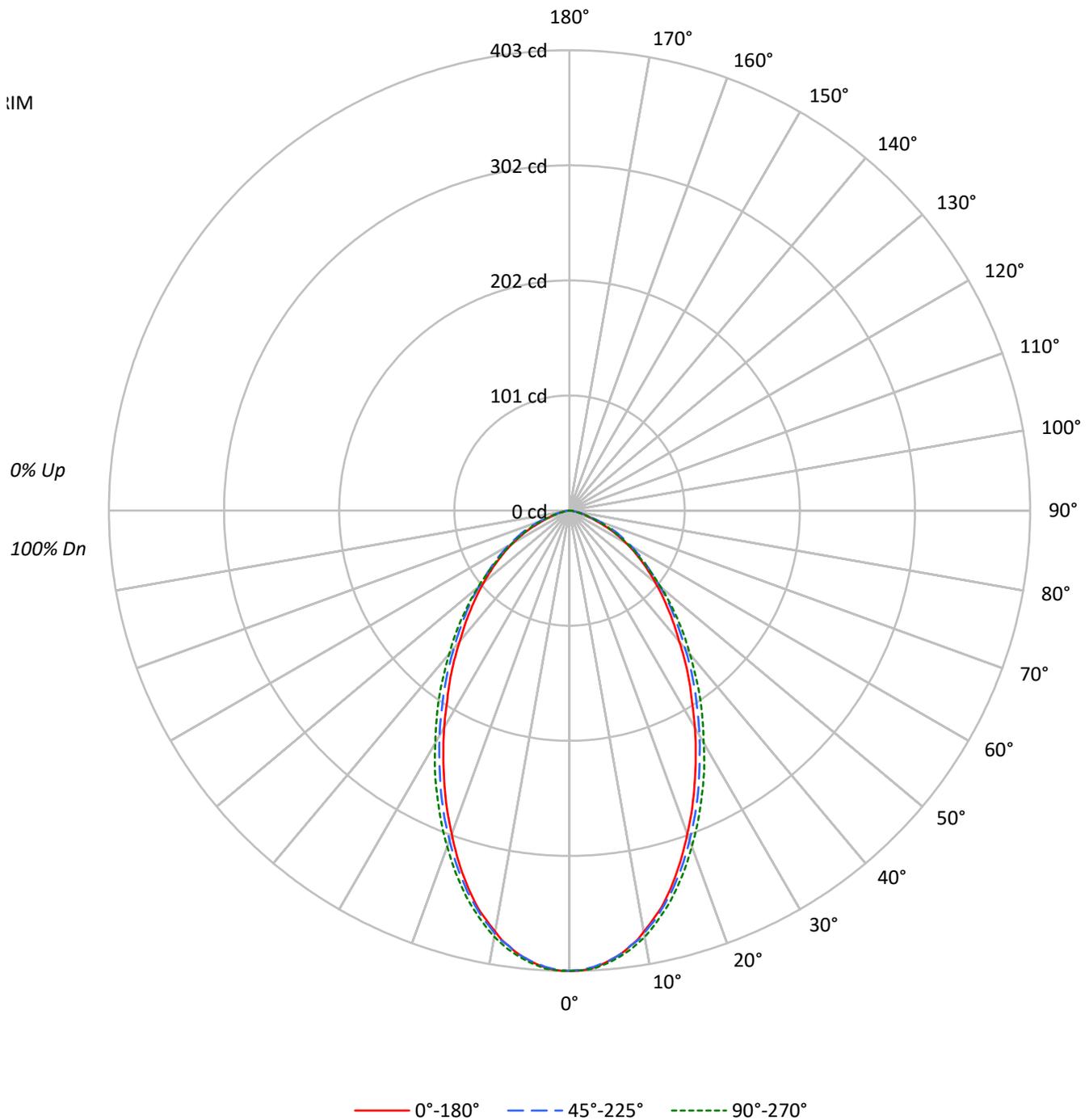
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 605.0 lumens
Efficiency: N/A
Efficacy: 54.5 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1309164
CATALOG NUMBER: LDSQA3D09R709030DE010 3LSQCLDWWR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1309164

CATALOG NUMBER: LDSQA3D09R709030DE010 3LSQCLDWWR1MW

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78	78	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68	68	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61	61	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54	54	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49	49	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44	44	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40	40	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37	37	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34	34	34

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	69389	69389	69389
5°	68392	68392	68651
10°	65475	65737	66244
15°	61014	61548	62315
20°	55221	56284	57365
25°	49331	50718	52105
30°	43631	45222	46674
35°	38433	40136	41818
40°	33543	35342	36826
45°	29739	31346	32418
50°	26257	27624	28026
55°	23060	24381	23721
60°	19909	21424	20391
65°	15812	18460	16708
70°	11430	14351	12538
75°	8784	9249	7785
80°	5852	5852	4364
85°	2964	2964	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 32418 cd/sqm



TEST NUMBER: P1309164

CATALOG NUMBER: LDSQA3D09R709030DE010 3LSQCLDWWR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.1	6.1
10°-20°	96.4	15.9
20°-30°	122.5	20.3
30°-40°	119.2	19.7
40°-50°	99.1	16.4
50°-60°	71.5	11.8
60°-70°	42.1	7.0
70°-80°	14.9	2.5
80°-90°	2.2	0.4
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°	256.1	42.3
0°-40°	375.3	62.0
0°-60°	545.9	90.2
0°-90°	605.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	605.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	403	403	403	403	403	
5°	396	395	396	396	397	37
15°	342	342	345	347	350	95
25°	260	262	267	272	274	119
35°	183	185	191	196	199	114
45°	122	124	129	132	133	94
55°	77	79	81	80	79	69
65°	39	42	45	43	41	39
75°	13	14	14	12	12	14
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



TEST NUMBER: P1309164

CATALOG NUMBER: LDSQA3D09R709030DE010 3LSQCLDWWR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	402.9	402.9	402.9	402.9	402.9
1°	402.9	402.2	402.2	402.2	402.9
2°	402.2	401.5	401.5	401.5	402.2
3°	400.7	400.0	400.0	400.0	401.5
4°	398.5	397.1	397.8	397.8	399.3
5°	395.6	394.9	395.6	395.6	397.1
6°	392.7	392.0	392.7	392.7	394.1
7°	389.0	388.3	389.0	389.8	391.2
8°	384.6	383.9	384.6	385.4	387.6
9°	380.3	379.5	381.0	381.7	383.2
10°	374.4	374.4	375.9	376.6	378.8
11°	368.6	368.6	370.0	371.5	373.7
12°	362.7	362.7	364.9	366.4	367.8
13°	356.9	356.1	358.3	359.8	362.0
14°	349.5	348.8	351.7	353.9	356.1
15°	342.2	342.2	345.2	347.3	349.5
17.5°	322.5	323.2	326.9	329.8	332.0
20°	301.3	303.5	307.1	310.8	313.0
22.5°	280.8	282.3	287.4	291.8	294.0
25°	259.6	262.5	266.9	272.0	274.2
27.5°	239.1	242.0	246.4	251.6	255.2
30°	219.4	221.6	227.4	232.5	234.7
32.5°	199.6	202.6	208.4	213.5	216.5
35°	182.8	185.0	190.9	196.0	198.9
37.5°	166.0	168.2	174.0	178.4	180.6
40°	149.2	152.8	157.2	161.6	163.8
42.5°	135.3	138.2	142.6	146.3	148.4
45°	122.1	124.3	128.7	131.6	133.1
47.5°	109.7	111.9	116.3	117.7	118.5
50°	98.0	100.2	103.1	103.8	104.6
52.5°	87.0	88.5	91.4	91.4	90.7
55°	76.8	79.0	81.2	80.4	79.0
57.5°	67.3	68.0	71.7	70.2	68.7
60°	57.8	59.2	62.2	60.7	59.2
62.5°	48.3	49.7	53.4	51.9	49.7
65°	38.8	41.7	45.3	43.1	41.0
67.5°	29.3	32.9	36.6	34.4	32.9
70°	22.7	25.6	28.5	26.3	24.9
72.5°	17.6	19.0	20.5	19.0	17.6
75°	13.2	13.9	13.9	12.4	11.7
77.5°	9.5	10.2	8.8	7.3	7.3
80°	5.9	6.6	5.9	4.4	4.4
82.5°	2.9	3.7	2.9	2.9	2.9
85°	1.5	1.5	1.5	1.5	1.5
87.5°	0.7	0.7	0.7	0.7	0.7



TEST NUMBER: P1309164
CATALOG NUMBER: LDSQA3D09R709030DE010 3LSQCLDWWR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)