

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: P1310220

Luminaire Tested: LDSQA3D09R359035DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359035DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

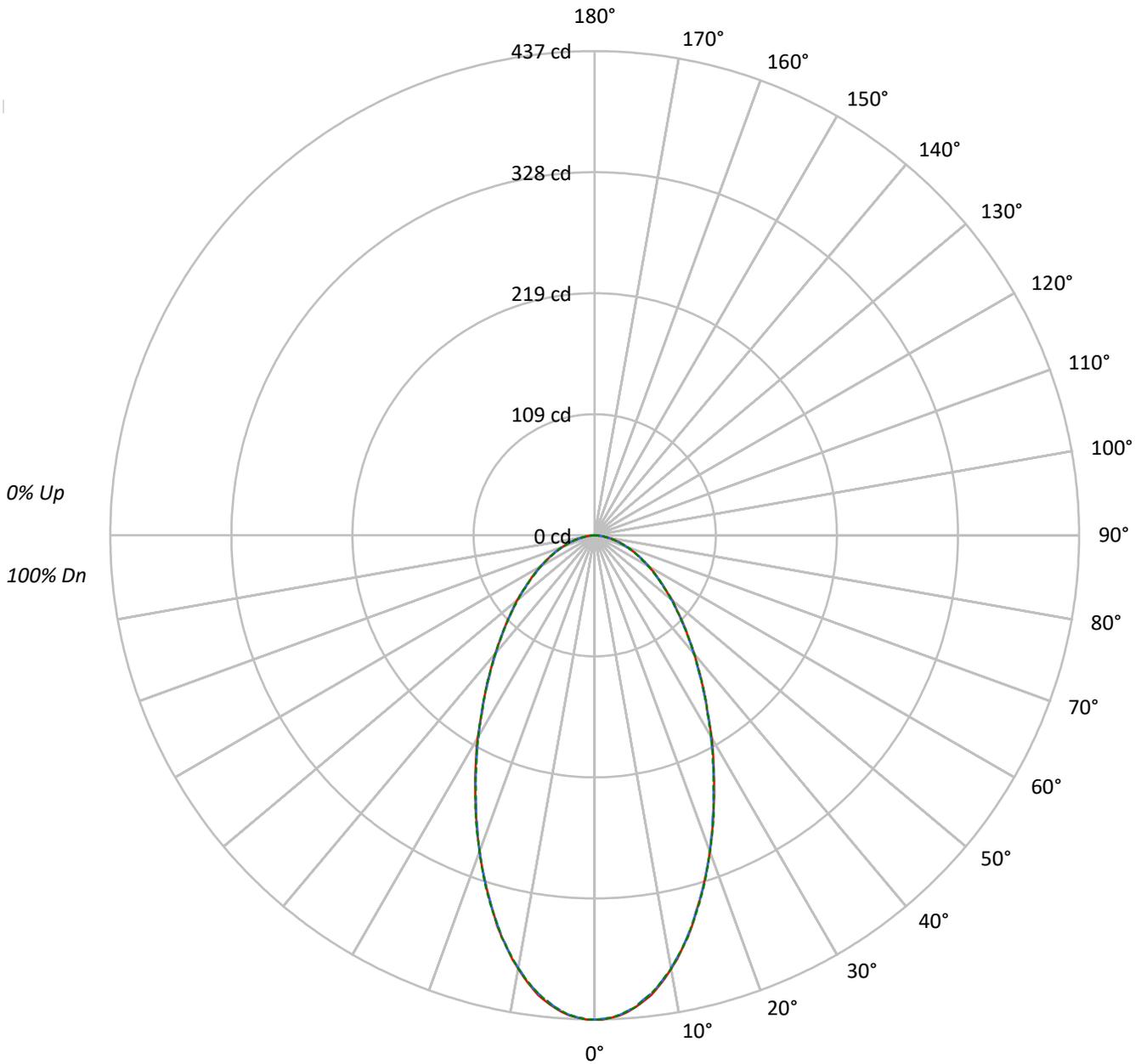
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 584.0 lumens
Efficiency: N/A
Efficacy: 52.6 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
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 (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: P1310220
CATALOG NUMBER: LDSQA3D09R359035DE010 3LSQPHRLD1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ···· 90°-270°



TEST NUMBER: P1310220

CATALOG NUMBER: LDSQA3D09R359035DE010 3LSQPHRLD1MW

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	102	100	
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	88	
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	79	77	
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	70	68	
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	62	60	
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	56	54	
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	51	49	
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	46	44	
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	42	41	
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	39	38	
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	35	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	75279	75279	75279
5°	73872	73751	73872
10°	69462	69322	69462
15°	62886	62886	63028
20°	55661	55661	55661
25°	48419	48267	48267
30°	41961	41662	41821
35°	36120	35973	36120
40°	31340	31183	31340
45°	27547	27352	27352
50°	24435	24221	24221
55°	21499	21499	21499
60°	19461	19220	19461
65°	17523	17523	17523
70°	15560	15560	15560
75°	14040	13508	14040
80°	12001	12001	12001
85°	7509	7509	7509

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 27547 cd/sqm



TEST NUMBER: P1310220

CATALOG NUMBER: LDSQA3D09R359035DE010 3LSQPHRLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.8	6.8
10°-20°	98.4	16.8
20°-30°	116.9	20.0
30°-40°	107.4	18.4
40°-50°	87.2	14.9
50°-60°	64.5	11.0
60°-70°	42.7	7.3
70°-80°	22.1	3.8
80°-90°	5.0	0.9
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°	255.1	43.7
0°-40°	362.5	62.1
0°-60°	514.3	88.1
0°-90°	584.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	584.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	437	437	437	437	437	
5°	427	427	427	427	427	40
15°	353	353	353	353	354	98
25°	255	254	254	255	254	117
35°	172	171	171	172	172	108
45°	113	112	112	112	112	87
55°	72	72	72	72	72	65
65°	43	43	43	43	43	43
75°	21	21	20	21	21	22
85°	4	4	4	4	4	5
90°	0	0	0	0	0	



TEST NUMBER: P1310220

CATALOG NUMBER: LDSQA3D09R359035DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	437.1	437.1	437.1	437.1	437.1
1°	437.1	436.4	436.4	436.4	437.1
2°	435.6	435.6	435.6	435.6	435.6
3°	434.1	433.4	433.4	433.4	433.4
4°	431.1	430.4	430.4	430.4	430.4
5°	427.3	426.6	426.6	426.6	427.3
6°	422.8	422.1	421.3	421.3	422.1
7°	418.3	416.8	416.8	416.8	416.8
8°	411.5	410.8	410.8	410.8	410.8
9°	404.7	403.2	404.0	404.0	404.0
10°	397.2	396.4	396.4	396.4	397.2
11°	389.7	388.9	388.9	388.2	388.9
12°	380.6	380.6	380.6	380.6	380.6
13°	372.3	371.6	371.6	371.6	372.3
14°	363.3	362.5	362.5	362.5	362.5
15°	352.7	352.7	352.7	352.7	353.5
17.5°	328.6	327.9	328.6	328.6	329.4
20°	303.7	303.0	303.7	303.7	303.7
22.5°	278.9	278.9	278.1	278.9	279.6
25°	254.8	254.0	254.0	254.8	254.0
27.5°	232.1	231.4	231.4	231.4	231.4
30°	211.0	209.5	209.5	210.3	210.3
32.5°	189.2	189.2	189.9	189.2	189.2
35°	171.8	171.1	171.1	171.8	171.8
37.5°	154.5	153.8	153.8	154.5	154.5
40°	139.4	139.4	138.7	139.4	139.4
42.5°	125.1	125.1	125.1	125.1	125.1
45°	113.1	112.3	112.3	112.3	112.3
47.5°	101.0	101.0	101.0	100.2	101.0
50°	91.2	90.4	90.4	90.4	90.4
52.5°	80.6	80.6	80.6	80.6	80.6
55°	71.6	71.6	71.6	71.6	71.6
57.5°	64.1	63.3	63.3	63.3	63.3
60°	56.5	56.5	55.8	56.5	56.5
62.5°	49.0	49.0	49.0	49.0	49.0
65°	43.0	43.0	43.0	43.0	43.0
67.5°	36.9	36.9	36.9	36.9	36.9
70°	30.9	30.9	30.9	30.9	30.9
72.5°	26.4	25.6	25.6	25.6	25.6
75°	21.1	21.1	20.3	21.1	21.1
77.5°	15.8	15.8	15.8	15.8	15.8
80°	12.1	12.1	12.1	11.3	12.1
82.5°	7.5	7.5	7.5	7.5	7.5
85°	3.8	3.8	3.8	3.8	3.8
87.5°	0.8	0.8	0.8	1.5	1.5



TEST NUMBER: P1310220

CATALOG NUMBER: LDSQA3D09R359035DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)