

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: P1315412

Luminaire Tested: LDSQA3D09R159735DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315412
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R159735DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

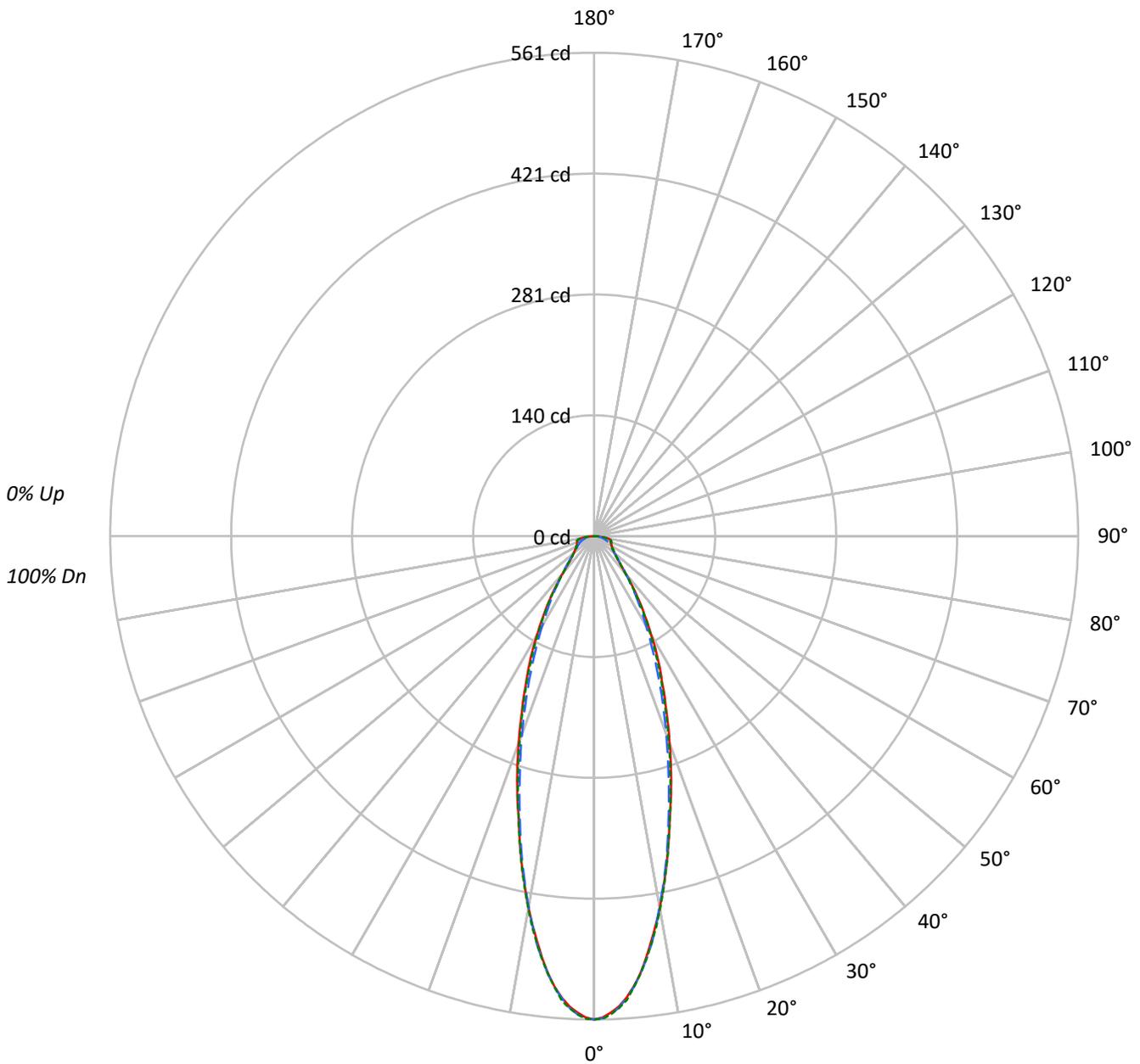
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 376.0 lumens
Efficiency: N/A
Efficacy: 33.9 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
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: P1315412
CATALOG NUMBER: LDSQA3D09R159735DE010 3LSQPHRLP1MW

Luminous Intensity Polar Plot



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1315412

CATALOG NUMBER: LDSQA3D09R159735DE010 3LSQPHRLP1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	96600	96600	96600
5°	90728	90831	90831
10°	76632	76387	76877
15°	60265	59427	60390
20°	46845	44719	46222
25°	35364	32894	34832
30°	26290	23983	25753
35°	18775	17471	18481
40°	12725	12860	12567
45°	9450	9962	9450
50°	8225	8225	8225
55°	7987	7567	7987
60°	8232	7509	7991
65°	8884	7784	8884
70°	10625	7906	10625
75°	13575	8185	13575
80°	16860	8827	16265
85°	13437	8102	14820

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 16860 cd/sqm



TEST NUMBER: P1315412

CATALOG NUMBER: LDSQA3D09R159735DE010 3LSQPHRLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.3	12.6
10°-20°	93.5	24.9
20°-30°	82.7	22.0
30°-40°	54.3	14.4
40°-50°	31.7	8.4
50°-60°	23.4	6.2
60°-70°	19.9	5.3
70°-80°	16.4	4.4
80°-90°	6.8	1.8
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°	223.5	59.4
0°-40°	277.8	73.9
0°-60°	332.9	88.5
0°-90°	376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	376.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	561	561	561	561	561	
5°	525	525	525	526	525	47
15°	338	338	333	337	339	94
25°	186	180	173	178	183	86
35°	89	86	83	85	88	56
45°	39	40	41	40	39	31
55°	27	26	25	26	27	24
65°	22	20	19	20	22	22
75°	20	15	12	16	20	21
85°	7	8	4	7	8	8
90°	0	0	0	0	0	



TEST NUMBER: P1315412
 CATALOG NUMBER: LDSQA3D09R159735DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	560.9	560.9	560.9	560.9	560.9
1°	558.8	559.5	559.5	560.2	560.2
2°	553.4	554.7	555.4	555.4	555.4
3°	546.6	547.2	547.9	548.6	548.6
4°	537.0	537.7	537.7	539.1	539.8
5°	524.8	524.8	525.4	526.1	525.4
6°	510.4	510.4	511.1	511.1	511.1
7°	493.4	494.1	494.8	495.5	494.8
8°	475.0	475.7	477.7	477.7	477.1
9°	456.6	457.3	457.3	459.3	459.3
10°	438.2	438.2	436.8	438.2	439.6
12.5°	388.5	387.8	385.7	387.8	389.1
15°	338.0	338.0	333.3	337.3	338.7
17.5°	297.1	291.0	286.2	290.3	293.7
20°	255.6	249.4	244.0	248.1	252.2
22.5°	218.1	213.3	206.5	210.6	215.4
25°	186.1	179.9	173.1	177.9	183.3
27.5°	159.5	151.3	144.5	149.9	154.7
30°	132.2	126.8	120.6	124.7	129.5
32.5°	109.0	105.0	100.2	103.6	107.7
35°	89.3	85.9	83.1	85.2	87.9
37.5°	71.6	70.2	68.8	69.5	69.5
40°	56.6	57.2	57.2	57.2	55.9
42.5°	46.3	47.0	48.4	47.0	46.3
45°	38.8	39.5	40.9	39.5	38.8
47.5°	34.1	34.8	35.4	34.1	34.1
50°	30.7	30.7	30.7	30.7	30.7
52.5°	28.6	27.9	27.9	27.9	28.6
55°	26.6	25.9	25.2	25.9	26.6
57.5°	24.5	23.9	23.2	23.9	24.5
60°	23.9	22.5	21.8	22.5	23.2
62.5°	22.5	21.1	20.4	21.1	22.5
65°	21.8	19.8	19.1	19.8	21.8
67.5°	21.1	18.4	17.0	18.4	21.1
70°	21.1	17.0	15.7	17.7	21.1
72.5°	20.4	16.4	13.6	16.4	20.4
75°	20.4	15.0	12.3	15.7	20.4
77.5°	19.1	13.6	10.2	14.3	19.1
80°	17.0	12.3	8.9	12.9	16.4
82.5°	12.3	10.2	6.8	10.2	12.3
85°	6.8	7.5	4.1	6.8	7.5
87.5°	0.7	2.0	1.4	4.1	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)