

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: P1310155

Luminaire Tested: LDSQA3D09R159035DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310155
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: LDSQA3D09R159035DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

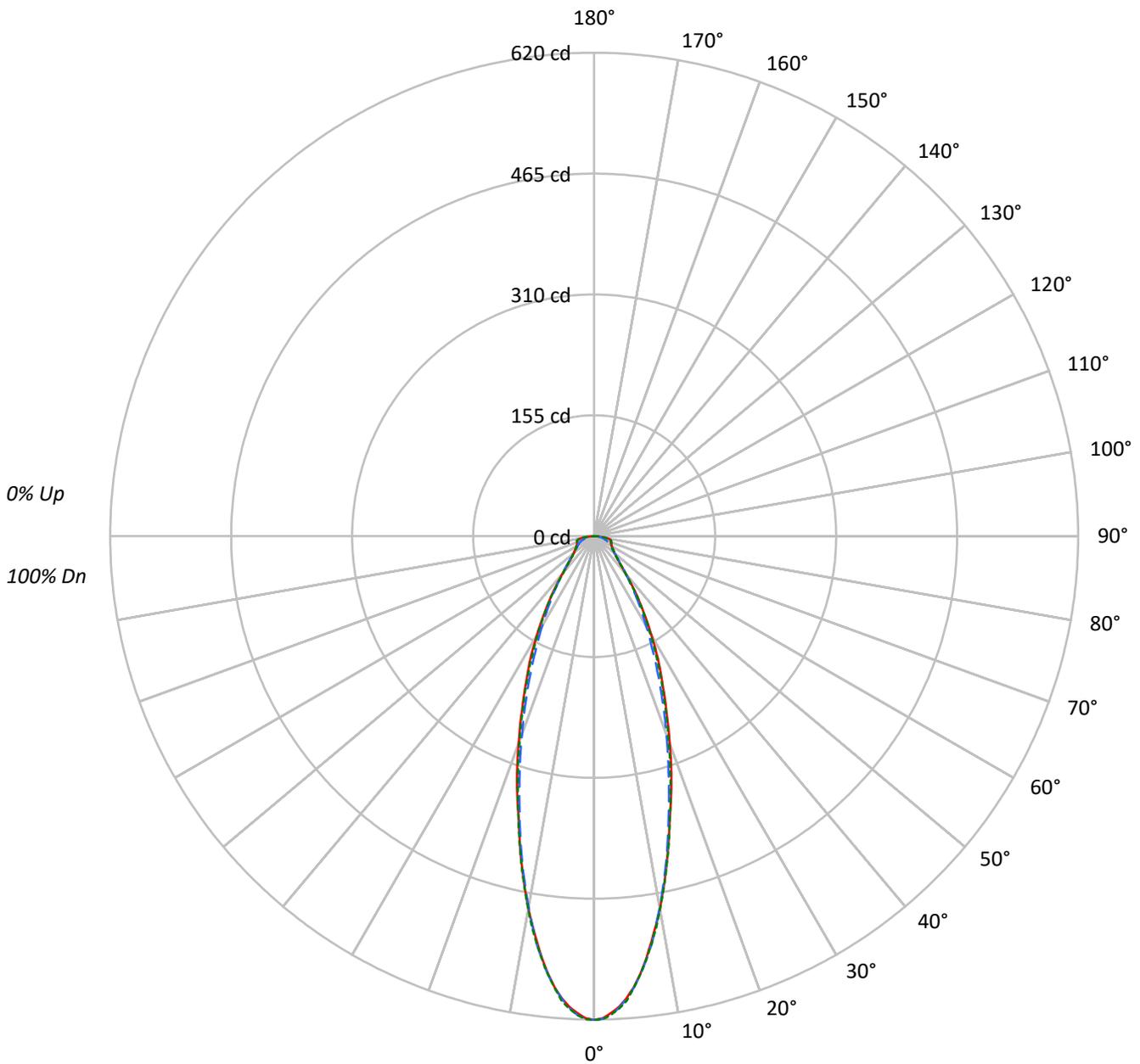
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 416.0 lumens
Efficiency: N/A
Efficacy: 37.5 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 (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: P1310155
CATALOG NUMBER: LDSQA3D09R159035DE010 3LSQPHRLP1MW

Luminous Intensity Polar Plot



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1310155

CATALOG NUMBER: LDSQA3D09R159035DE010 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	100				100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89				89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80				80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73				73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66				66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61				61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57				57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	53				53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50				50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	47				47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	45				45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	106864	106864	106864
5°	100374	100495	100495
10°	84782	84519	85044
15°	66683	65738	66808
20°	51830	49466	51134
25°	39107	36390	38537
30°	29094	26549	28497
35°	20772	19343	20457
40°	14074	14231	13894
45°	10473	11009	10473
50°	9083	9083	9083
55°	8828	8377	8828
60°	9093	8301	8818
65°	9821	8599	9821
70°	11783	8711	11783
75°	15038	9050	15038
80°	18745	9720	17951
85°	14820	8892	16401

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 18745 cd/sqm



TEST NUMBER: P1310155

CATALOG NUMBER: LDSQA3D09R159035DE010 3LSQPHRLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	12.6
10°-20°	103.5	24.9
20°-30°	91.5	22.0
30°-40°	60.1	14.4
40°-50°	35.1	8.4
50°-60°	25.8	6.2
60°-70°	22.0	5.3
70°-80°	18.2	4.4
80°-90°	7.5	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°	247.3	59.4
0°-40°	307.3	73.9
0°-60°	368.3	88.5
0°-90°	416.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	416.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	620	620	620	620	620	
5°	581	581	581	582	581	52
15°	374	374	369	373	375	105
25°	206	199	192	197	203	95
35°	99	95	92	94	97	62
45°	43	44	45	44	43	35
55°	29	29	28	29	29	26
65°	24	22	21	22	24	24
75°	23	17	14	17	23	23
85°	8	8	4	8	8	9
90°	0	0	0	0	0	



TEST NUMBER: P1310155
 CATALOG NUMBER: LDSQA3D09R159035DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	620.5	620.5	620.5	620.5	620.5
1°	618.3	619.0	619.0	619.8	619.8
2°	612.3	613.8	614.5	614.5	614.5
3°	604.7	605.5	606.2	607.0	607.0
4°	594.2	594.9	594.9	596.4	597.2
5°	580.6	580.6	581.3	582.1	581.3
6°	564.7	564.7	565.5	565.5	565.5
7°	545.9	546.7	547.4	548.2	547.4
8°	525.5	526.3	528.6	528.6	527.8
9°	505.2	505.9	505.9	508.2	508.2
10°	484.8	484.8	483.3	484.8	486.3
12.5°	429.8	429.0	426.8	429.0	430.5
15°	374.0	374.0	368.7	373.2	374.7
17.5°	328.7	322.0	316.7	321.2	325.0
20°	282.8	276.0	269.9	274.5	279.0
22.5°	241.3	236.0	228.5	233.0	238.3
25°	205.8	199.1	191.5	196.8	202.8
27.5°	176.4	167.4	159.8	165.9	171.2
30°	146.3	140.2	133.5	138.0	143.3
32.5°	120.6	116.1	110.8	114.6	119.1
35°	98.8	95.0	92.0	94.3	97.3
37.5°	79.2	77.7	76.2	76.9	76.9
40°	62.6	63.3	63.3	63.3	61.8
42.5°	51.3	52.0	53.5	52.0	51.3
45°	43.0	43.7	45.2	43.7	43.0
47.5°	37.7	38.5	39.2	37.7	37.7
50°	33.9	33.9	33.9	33.9	33.9
52.5°	31.7	30.9	30.9	30.9	31.7
55°	29.4	28.7	27.9	28.7	29.4
57.5°	27.1	26.4	25.6	26.4	27.1
60°	26.4	24.9	24.1	24.9	25.6
62.5°	24.9	23.4	22.6	23.4	24.9
65°	24.1	21.9	21.1	21.9	24.1
67.5°	23.4	20.4	18.9	20.4	23.4
70°	23.4	18.9	17.3	19.6	23.4
72.5°	22.6	18.1	15.1	18.1	22.6
75°	22.6	16.6	13.6	17.3	22.6
77.5°	21.1	15.1	11.3	15.8	21.1
80°	18.9	13.6	9.8	14.3	18.1
82.5°	13.6	11.3	7.5	11.3	13.6
85°	7.5	8.3	4.5	7.5	8.3
87.5°	0.8	2.3	1.5	4.5	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)