

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: P1312382

Luminaire Tested: LDSQA3D09R259050DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R259050DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

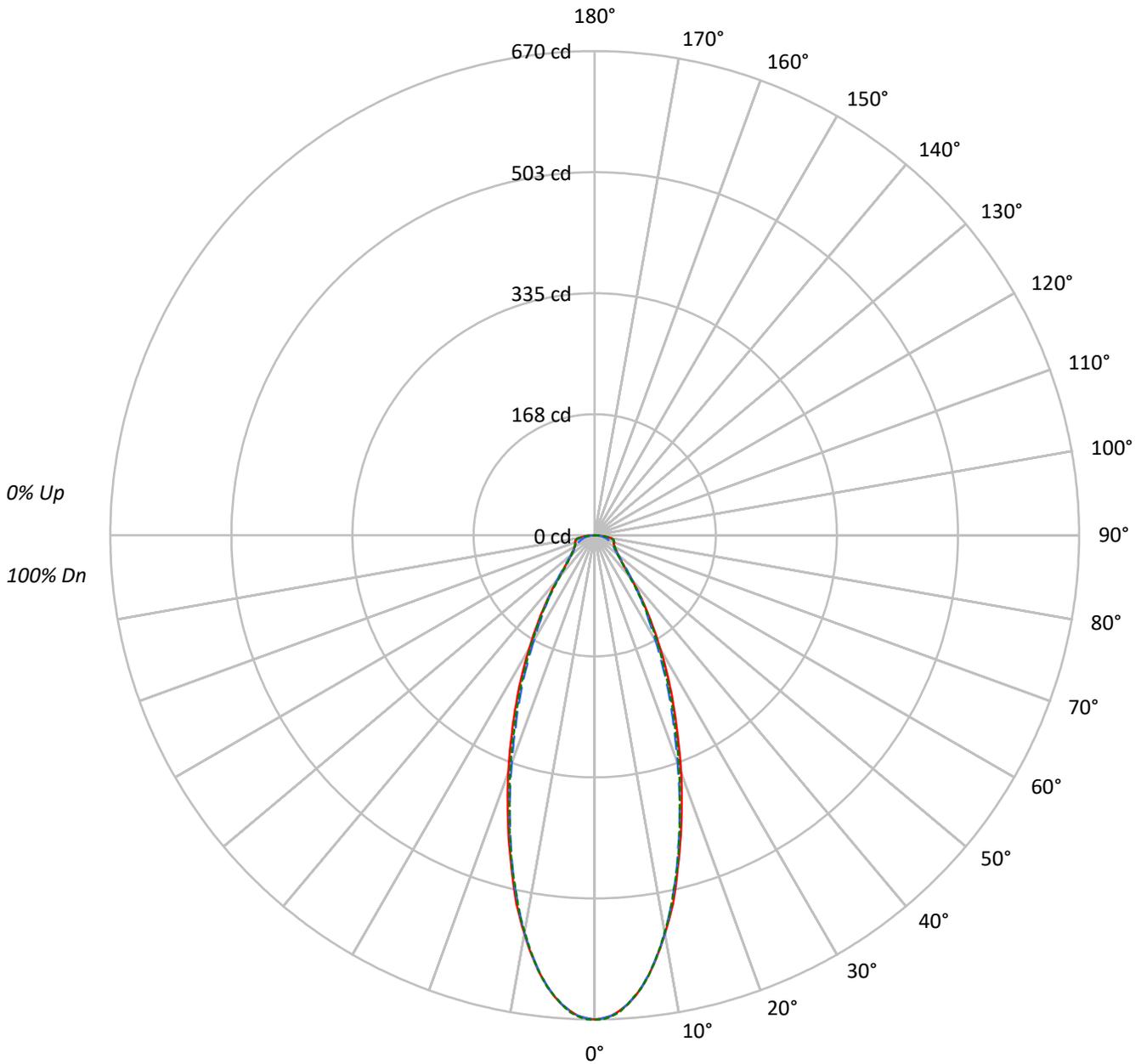
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 506.1 lumens
Efficiency: N/A
Efficacy: 45.6 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
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: P1312382
CATALOG NUMBER: LDSQA3D09R259050DE010 3LSQPHRLP1MW

Luminous Intensity Polar Plot



— 0°-180° - - - 45°-225° - - - 90°-270°



TEST NUMBER: P1312382

CATALOG NUMBER: LDSQA3D09R259050DE010 3LSQPHRLP1MW

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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	102	96	91	87	93	89	85	89	86	83	87	84	81	81	81	81	80
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	74	74	74	72
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	63	63	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	59	66	62	58	58	58	58	56
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	62	58	54	54	54	54	53
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	60	53	49	69	59	53	48	58	52	48	57	52	48	56	51	48	48	48	48	46
10	67	56	50	46	66	56	50	46	55	49	46	54	49	45	53	49	45	45	45	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	115389	115389	115389
5°	110713	110574	110574
10°	97880	97740	97460
15°	80822	79681	80109
20°	64036	61397	62424
25°	48761	46176	47393
30°	35935	33390	34821
35°	25713	24536	24872
40°	17626	17986	17086
45°	13055	13834	12860
50°	11360	11360	11146
55°	10809	10329	10809
60°	11022	10196	11022
65°	12062	10432	12062
70°	14502	10474	14099
75°	18099	11179	18099
80°	23010	11901	21423
85°	18970	11066	18970

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 23010 cd/sqm



TEST NUMBER: P1312382

CATALOG NUMBER: LDSQA3D09R259050DE010 3LSQPHRLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	11.6
10°-20°	124.2	24.5
20°-30°	113.8	22.5
30°-40°	75.1	14.8
40°-50°	43.7	8.6
50°-60°	31.9	6.3
60°-70°	27.1	5.4
70°-80°	22.4	4.4
80°-90°	9.2	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°	296.5	58.6
0°-40°	371.6	73.4
0°-60°	447.3	88.4
0°-90°	506.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	506.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	670	670	670	670	670	
5°	640	640	640	640	640	59
15°	453	452	447	448	449	126
25°	257	249	243	244	249	118
35°	122	120	117	117	118	77
45°	54	55	57	54	53	43
55°	36	36	34	35	36	33
65°	30	27	26	27	30	30
75°	27	21	17	21	27	28
85°	10	10	6	10	10	11
90°	0	0	0	0	0	



TEST NUMBER: P1312382

CATALOG NUMBER: LDSQA3D09R259050DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	670.0	670.0	670.0	670.0	670.0
1°	668.4	668.4	668.4	668.4	670.0
2°	665.2	664.4	665.2	665.2	666.0
3°	658.8	658.8	658.8	658.8	660.4
4°	650.8	650.8	650.8	650.8	650.8
5°	640.4	639.6	639.6	640.4	639.6
6°	627.6	627.6	627.6	627.6	628.4
7°	613.2	612.4	612.4	611.6	613.2
8°	596.4	596.4	595.6	594.8	596.4
9°	578.8	579.6	578.0	577.2	577.2
10°	559.7	558.9	558.9	558.9	557.3
11°	540.5	538.1	537.3	537.3	538.9
12°	521.3	517.3	515.7	515.7	515.7
13°	498.1	496.5	494.1	492.5	493.3
14°	474.9	474.9	470.9	470.9	472.5
15°	453.3	451.7	446.9	448.5	449.3
17.5°	399.8	396.6	391.0	391.0	391.8
20°	349.4	343.8	335.0	339.0	340.6
22.5°	299.8	294.2	285.4	289.4	291.0
25°	256.6	249.4	243.0	243.8	249.4
27.5°	217.5	209.5	203.1	205.5	208.7
30°	180.7	175.9	167.9	171.9	175.1
32.5°	149.5	145.5	139.9	142.3	145.5
35°	122.3	119.9	116.7	116.7	118.3
37.5°	99.1	98.3	96.7	95.9	95.1
40°	78.4	80.0	80.0	78.4	76.0
42.5°	64.0	65.6	67.2	64.0	61.6
45°	53.6	55.2	56.8	53.6	52.8
47.5°	47.2	48.0	48.8	47.2	46.4
50°	42.4	42.4	42.4	41.6	41.6
52.5°	39.2	38.4	37.6	38.4	38.4
55°	36.0	36.0	34.4	35.2	36.0
57.5°	33.6	32.8	32.0	32.8	33.6
60°	32.0	30.4	29.6	30.4	32.0
62.5°	30.4	28.8	27.2	28.8	30.4
65°	29.6	27.2	25.6	27.2	29.6
67.5°	28.8	25.6	23.2	25.6	28.8
70°	28.8	24.0	20.8	24.0	28.0
72.5°	28.0	22.4	19.2	22.4	28.0
75°	27.2	20.8	16.8	20.8	27.2
77.5°	26.4	19.2	14.4	19.2	25.6
80°	23.2	17.6	12.0	17.6	21.6
82.5°	16.8	14.4	9.6	14.4	16.0
85°	9.6	10.4	5.6	10.4	9.6
87.5°	1.6	2.4	1.6	4.0	3.2



TEST NUMBER: P1312382
CATALOG NUMBER: LDSQA3D09R259050DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)