

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: P1312415

Luminaire Tested: LDSQA3D09R359050DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312415
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: LDSQA3D09R359050DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

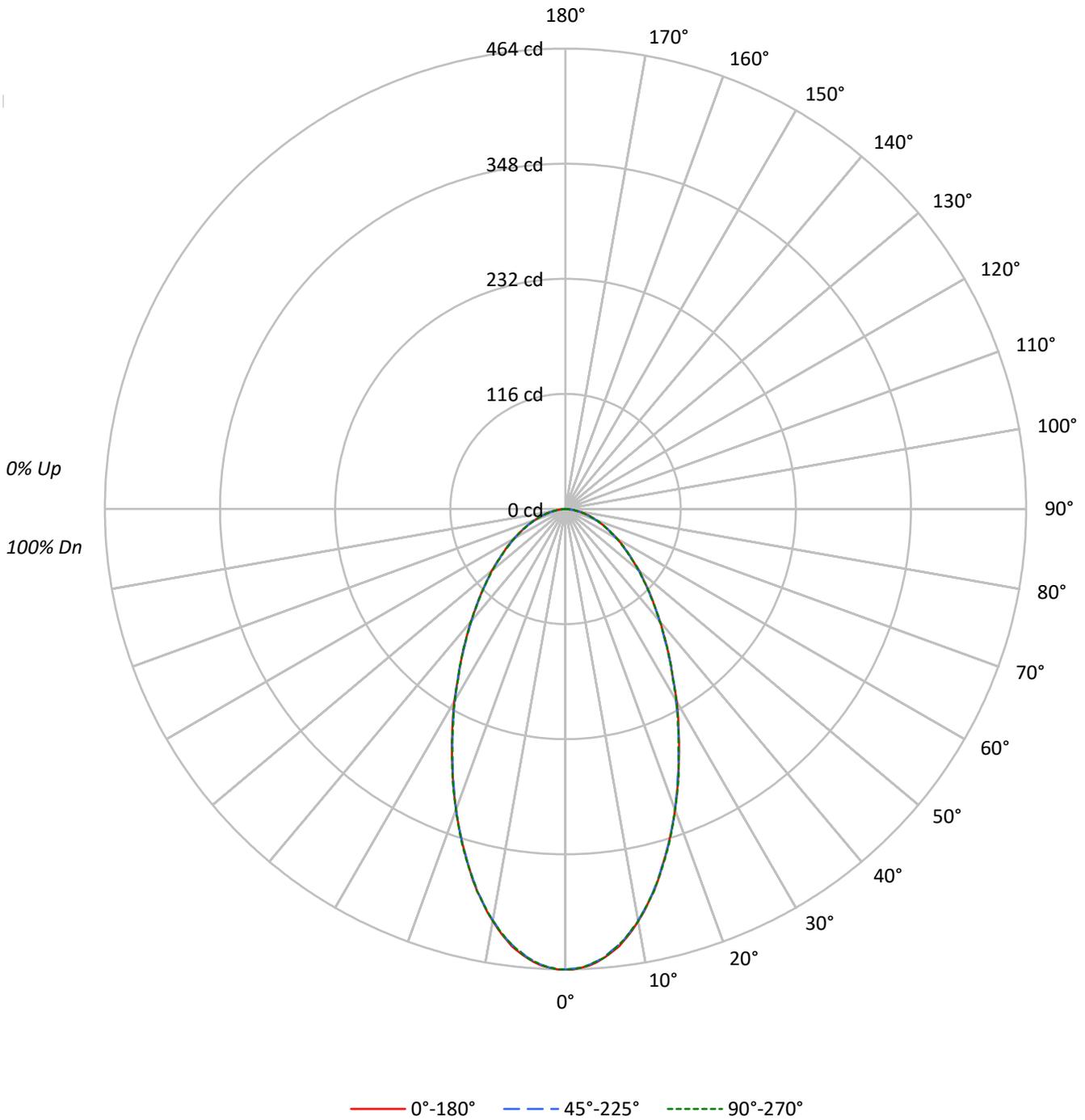
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 619.9 lumens
Efficiency: N/A
Efficacy: 55.9 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

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Luminous Intensity Polar Plot





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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	79929	79929	79929
5°	78436	78298	78436
10°	73747	73607	73747
15°	66773	66773	66915
20°	59106	59106	59106
25°	51402	51250	51250
30°	44546	44228	44387
35°	38349	38180	38349
40°	33273	33094	33273
45°	29227	29032	29032
50°	25936	25721	25721
55°	22820	22820	22820
60°	20667	20391	20667
65°	18583	18583	18583
70°	16516	16516	16516
75°	14905	14373	14905
80°	12695	12695	12695
85°	7904	7904	7904

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29227 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.2	6.8
10°-20°	104.5	16.9
20°-30°	124.1	20.0
30°-40°	114.0	18.4
40°-50°	92.6	14.9
50°-60°	68.5	11.1
60°-70°	45.3	7.3
70°-80°	23.5	3.8
80°-90°	5.3	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°	270.8	43.7
0°-40°	384.8	62.1
0°-60°	545.9	88.1
0°-90°	619.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	619.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	464	464	464	464	464	
5°	454	453	453	453	454	42
15°	374	374	374	374	375	105
25°	270	270	270	270	270	124
35°	182	182	182	182	182	114
45°	120	119	119	119	119	93
55°	76	76	76	76	76	69
65°	46	46	46	46	46	45
75°	22	22	22	22	22	24
85°	4	4	4	4	4	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	464.1	464.1	464.1	464.1	464.1
1°	464.1	463.3	463.3	463.3	464.1
2°	462.5	462.5	462.5	462.5	462.5
3°	460.9	460.1	460.1	460.1	460.1
4°	457.7	456.9	456.9	456.9	456.9
5°	453.7	452.9	452.9	452.9	453.7
6°	448.9	448.1	447.3	447.3	448.1
7°	444.1	442.5	442.5	442.5	442.5
8°	436.9	436.1	436.1	436.1	436.1
9°	429.7	428.1	428.9	428.9	428.9
10°	421.7	420.9	420.9	420.9	421.7
11°	413.7	412.9	412.9	412.1	412.9
12°	404.1	404.1	404.1	404.1	404.1
13°	395.3	394.5	394.5	394.5	395.3
14°	385.7	384.9	384.9	384.9	384.9
15°	374.5	374.5	374.5	374.5	375.3
17.5°	348.9	348.1	348.9	348.9	349.7
20°	322.5	321.7	322.5	322.5	322.5
22.5°	296.1	296.1	295.3	296.1	296.9
25°	270.5	269.7	269.7	270.5	269.7
27.5°	246.4	245.6	245.6	245.6	245.6
30°	224.0	222.4	222.4	223.2	223.2
32.5°	200.8	200.8	201.6	200.8	200.8
35°	182.4	181.6	181.6	182.4	182.4
37.5°	164.0	163.2	163.2	164.0	164.0
40°	148.0	148.0	147.2	148.0	148.0
42.5°	132.8	132.8	132.8	132.8	132.8
45°	120.0	119.2	119.2	119.2	119.2
47.5°	107.2	107.2	107.2	106.4	107.2
50°	96.8	96.0	96.0	96.0	96.0
52.5°	85.6	85.6	85.6	85.6	85.6
55°	76.0	76.0	76.0	76.0	76.0
57.5°	68.0	67.2	67.2	67.2	67.2
60°	60.0	60.0	59.2	60.0	60.0
62.5°	52.0	52.0	52.0	52.0	52.0
65°	45.6	45.6	45.6	45.6	45.6
67.5°	39.2	39.2	39.2	39.2	39.2
70°	32.8	32.8	32.8	32.8	32.8
72.5°	28.0	27.2	27.2	27.2	27.2
75°	22.4	22.4	21.6	22.4	22.4
77.5°	16.8	16.8	16.8	16.8	16.8
80°	12.8	12.8	12.8	12.0	12.8
82.5°	8.0	8.0	8.0	8.0	8.0
85°	4.0	4.0	4.0	4.0	4.0
87.5°	0.8	0.8	0.8	1.6	1.6



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)