

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: P1309102

Luminaire Tested: LDSQA3D09R359030DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309102
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: LDSQA3D09R359030DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

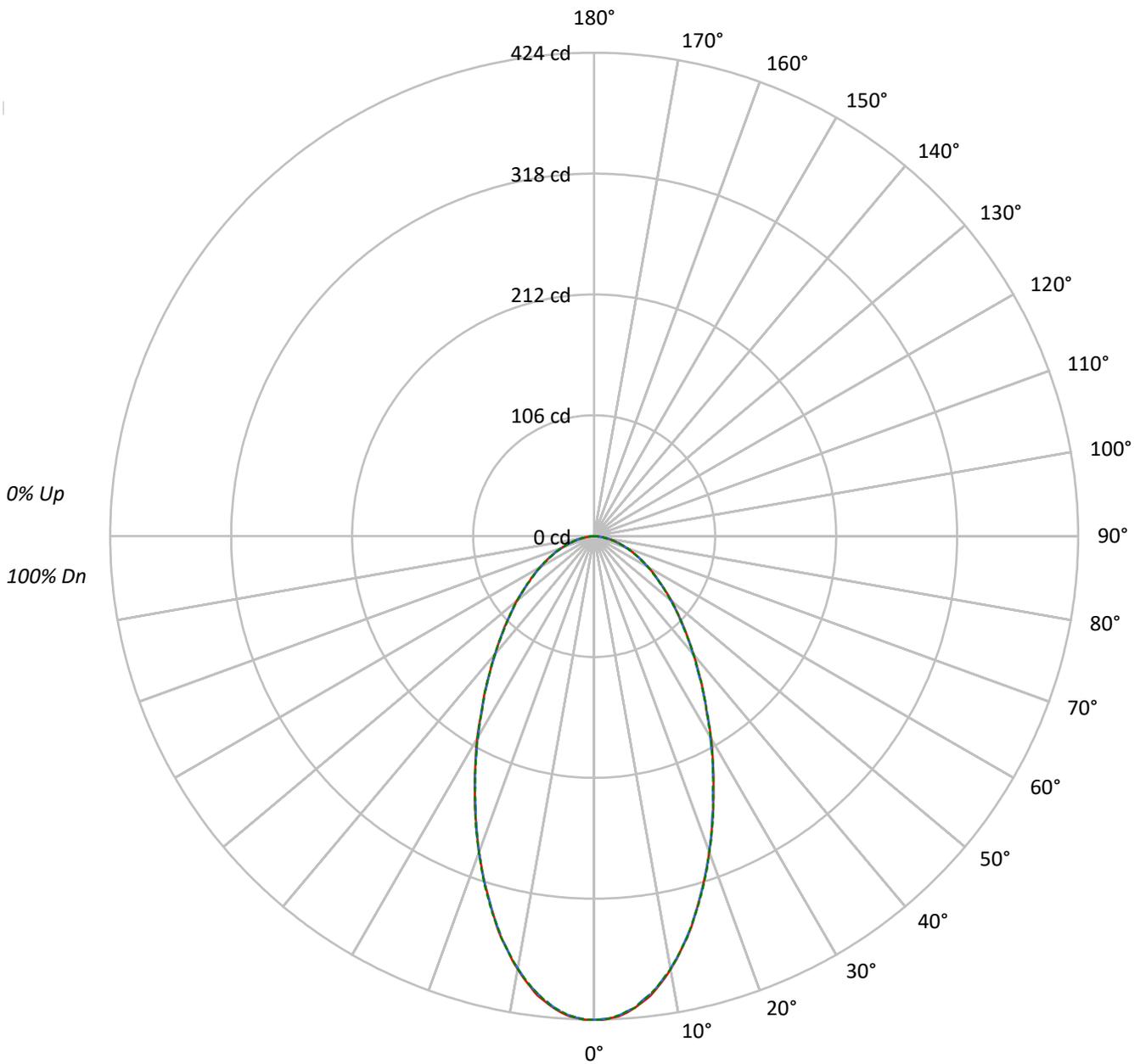
Lumens per Lamp: N/A
Luminaire Lumens: 567.1 lumens
Efficiency: N/A
Efficacy: 51.1 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (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

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Luminous Intensity Polar Plot



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68
4	88	78	71	65	86	77	70	64	75	68	64	72	67	63	70	66	62	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	73091	73091	73091
5°	71728	71607	71728
10°	67434	67311	67434
15°	61067	61067	61192
20°	54048	54048	54048
25°	46994	46861	46861
30°	40748	40449	40608
35°	35069	34922	35069
40°	30441	30261	30441
45°	26743	26548	26548
50°	23712	23524	23524
55°	20868	20868	20868
60°	18910	18669	18910
65°	16993	16993	16993
70°	15106	15106	15106
75°	13641	13175	13641
80°	11604	11604	11604
85°	7311	7311	7311

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26743 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	6.8
10°-20°	95.5	16.8
20°-30°	113.5	20.0
30°-40°	104.3	18.4
40°-50°	84.7	14.9
50°-60°	62.7	11.1
60°-70°	41.4	7.3
70°-80°	21.5	3.8
80°-90°	4.8	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°	247.7	43.7
0°-40°	352.0	62.1
0°-60°	499.3	88.1
0°-90°	567.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	567.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	424	424	424	424	424	
5°	415	414	414	414	415	39
15°	342	342	342	342	343	96
25°	247	247	247	247	247	114
35°	167	166	166	167	167	104
45°	110	109	109	109	109	85
55°	70	70	70	70	70	63
65°	42	42	42	42	42	41
75°	20	20	20	20	20	22
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°	424.4	424.4	424.4	424.4	424.4
1°	424.4	423.7	423.7	423.7	424.4
2°	423.0	423.0	423.0	423.0	423.0
3°	421.5	420.8	420.8	420.8	420.8
4°	418.6	417.8	417.8	417.8	417.8
5°	414.9	414.2	414.2	414.2	414.9
6°	410.5	409.8	409.1	409.1	409.8
7°	406.1	404.7	404.7	404.7	404.7
8°	399.5	398.8	398.8	398.8	398.8
9°	393.0	391.5	392.2	392.2	392.2
10°	385.6	384.9	384.9	384.9	385.6
11°	378.3	377.6	377.6	376.9	377.6
12°	369.5	369.5	369.5	369.5	369.5
13°	361.5	360.8	360.8	360.8	361.5
14°	352.7	352.0	352.0	352.0	352.0
15°	342.5	342.5	342.5	342.5	343.2
17.5°	319.0	318.3	319.0	319.0	319.8
20°	294.9	294.2	294.9	294.9	294.9
22.5°	270.8	270.8	270.0	270.8	271.5
25°	247.3	246.6	246.6	247.3	246.6
27.5°	225.4	224.7	224.7	224.7	224.7
30°	204.9	203.4	203.4	204.2	204.2
32.5°	183.7	183.7	184.4	183.7	183.7
35°	166.8	166.1	166.1	166.8	166.8
37.5°	150.0	149.3	149.3	150.0	150.0
40°	135.4	135.4	134.6	135.4	135.4
42.5°	121.5	121.5	121.5	121.5	121.5
45°	109.8	109.0	109.0	109.0	109.0
47.5°	98.1	98.1	98.1	97.3	98.1
50°	88.5	87.8	87.8	87.8	87.8
52.5°	78.3	78.3	78.3	78.3	78.3
55°	69.5	69.5	69.5	69.5	69.5
57.5°	62.2	61.5	61.5	61.5	61.5
60°	54.9	54.9	54.2	54.9	54.9
62.5°	47.6	47.6	47.6	47.6	47.6
65°	41.7	41.7	41.7	41.7	41.7
67.5°	35.9	35.9	35.9	35.9	35.9
70°	30.0	30.0	30.0	30.0	30.0
72.5°	25.6	24.9	24.9	24.9	24.9
75°	20.5	20.5	19.8	20.5	20.5
77.5°	15.4	15.4	15.4	15.4	15.4
80°	11.7	11.7	11.7	11.0	11.7
82.5°	7.3	7.3	7.3	7.3	7.3
85°	3.7	3.7	3.7	3.7	3.7
87.5°	0.7	0.7	0.7	1.5	1.5



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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)