

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: P1306961

Luminaire Tested: LDSQA3D09R209024DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306961
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209024DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

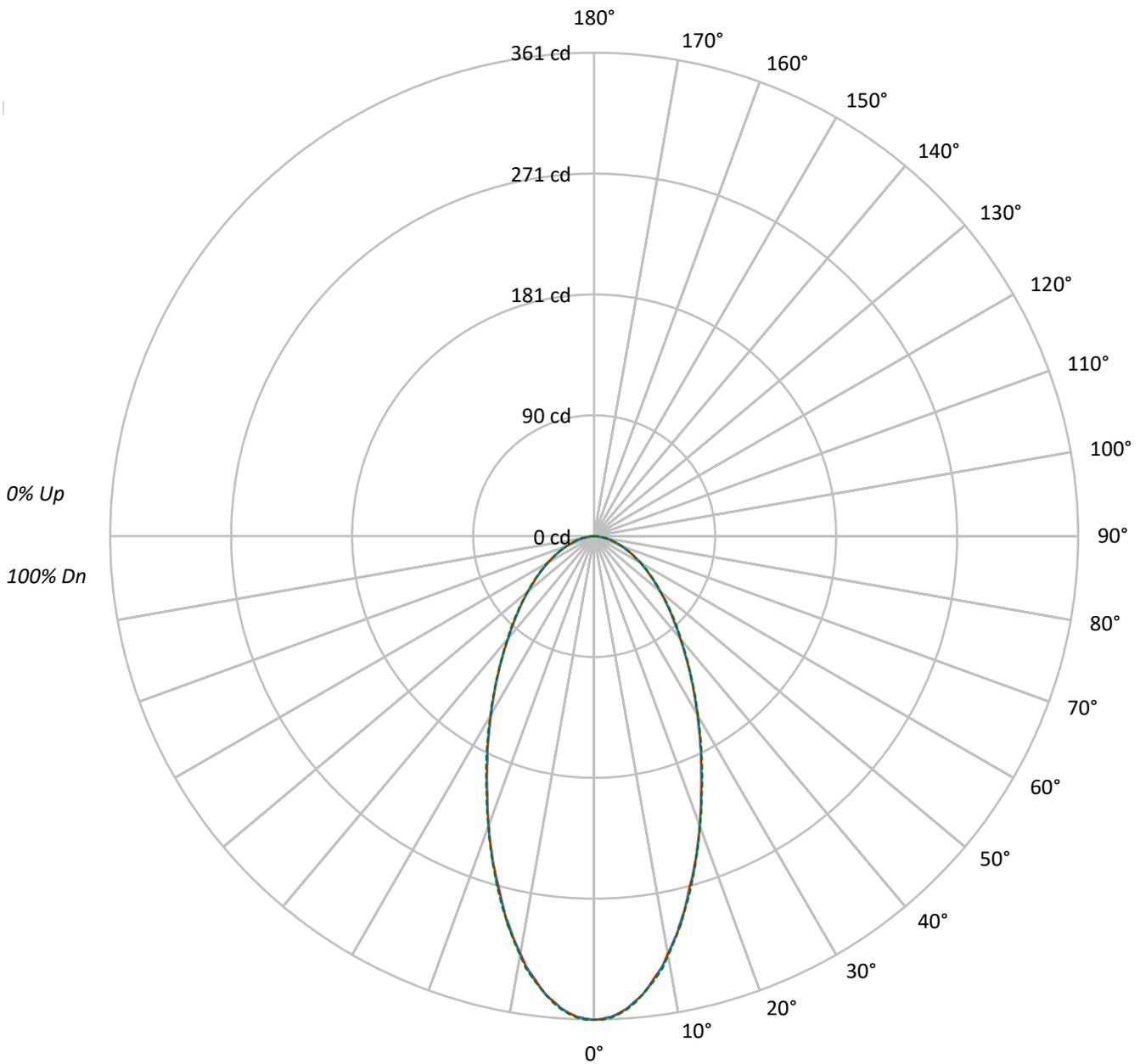
Lumens per Lamp: N/A
Luminaire Lumens: 432.0 lumens
Efficiency: N/A
Efficacy: 38.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°-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	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	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	79	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	70	70	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	52	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	47	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	40	40	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	37	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	62207	62207	62207
5°	60318	60318	60439
10°	55384	55489	55612
15°	48765	48978	49103
20°	42190	42190	42318
25°	35915	35915	36162
30°	30645	30526	30784
35°	26176	26176	26302
40°	22482	22482	22617
45°	19631	19631	19801
50°	17282	17282	17282
55°	15313	15313	15493
60°	13778	13778	13778
65°	12348	12348	12348
70°	11028	11028	11028
75°	9848	9449	9848
80°	8331	8331	8331
85°	5138	5138	6323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 19801 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.3	7.5
10°-20°	76.5	17.7
20°-30°	87.1	20.2
30°-40°	78.2	18.1
40°-50°	62.6	14.5
50°-60°	46.0	10.7
60°-70°	30.1	7.0
70°-80°	15.6	3.6
80°-90°	3.6	0.8
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°	195.8	45.3
0°-40°	274.0	63.4
0°-60°	382.7	88.6
0°-90°	432.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	432.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	361	361	361	361	361	
5°	349	349	349	349	350	32
15°	274	274	275	275	275	76
25°	189	189	189	190	190	87
35°	124	124	124	124	125	78
45°	81	81	81	81	81	62
55°	51	51	51	51	52	46
65°	30	30	30	30	30	30
75°	15	14	14	15	15	16
85°	3	3	3	3	3	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	361.2	361.2	361.2	361.2	361.2
1°	360.5	359.9	360.5	360.5	361.2
2°	359.2	359.2	359.2	358.6	359.9
3°	356.7	356.7	357.3	356.7	357.3
4°	353.4	353.4	353.4	352.8	354.1
5°	348.9	348.9	348.9	348.9	349.6
6°	344.4	343.8	344.4	343.8	344.4
7°	338.0	338.0	338.6	338.0	338.6
8°	331.5	330.9	332.1	331.5	332.8
9°	325.1	324.4	325.1	324.4	326.3
10°	316.7	317.3	317.3	317.3	318.0
12.5°	297.3	296.0	296.0	296.0	297.3
15°	273.5	273.5	274.7	274.7	275.4
17.5°	252.2	251.5	252.8	252.8	252.8
20°	230.2	229.6	230.2	230.2	230.9
22.5°	208.3	209.0	209.0	209.0	209.6
25°	189.0	189.0	189.0	189.6	190.3
27.5°	170.9	170.3	170.9	171.6	172.2
30°	154.1	153.5	153.5	154.1	154.8
32.5°	138.7	138.0	138.7	138.7	139.3
35°	124.5	124.5	124.5	124.5	125.1
37.5°	111.6	111.6	111.6	112.2	112.2
40°	100.0	100.0	100.0	100.6	100.6
42.5°	89.6	89.6	89.6	90.3	90.9
45°	80.6	80.6	80.6	80.6	81.3
47.5°	72.2	72.2	72.2	72.9	72.9
50°	64.5	63.9	64.5	65.1	64.5
52.5°	57.4	57.4	57.4	57.4	58.0
55°	51.0	51.0	51.0	51.0	51.6
57.5°	45.1	45.1	45.1	45.8	45.8
60°	40.0	40.0	40.0	40.0	40.0
62.5°	34.8	34.8	34.8	34.8	34.8
65°	30.3	29.7	30.3	30.3	30.3
67.5°	25.8	25.8	25.8	25.8	25.8
70°	21.9	21.9	21.9	21.9	21.9
72.5°	18.1	18.1	18.1	18.1	18.1
75°	14.8	14.2	14.2	14.8	14.8
77.5°	11.6	11.0	11.6	11.6	11.6
80°	8.4	8.4	8.4	8.4	8.4
82.5°	5.2	5.2	5.2	5.8	5.8
85°	2.6	2.6	2.6	3.2	3.2
87.5°	0.6	0.6	0.6	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)