

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: P1314471

Luminaire Tested: LDSQA3D09R259730DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314471
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R259730DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

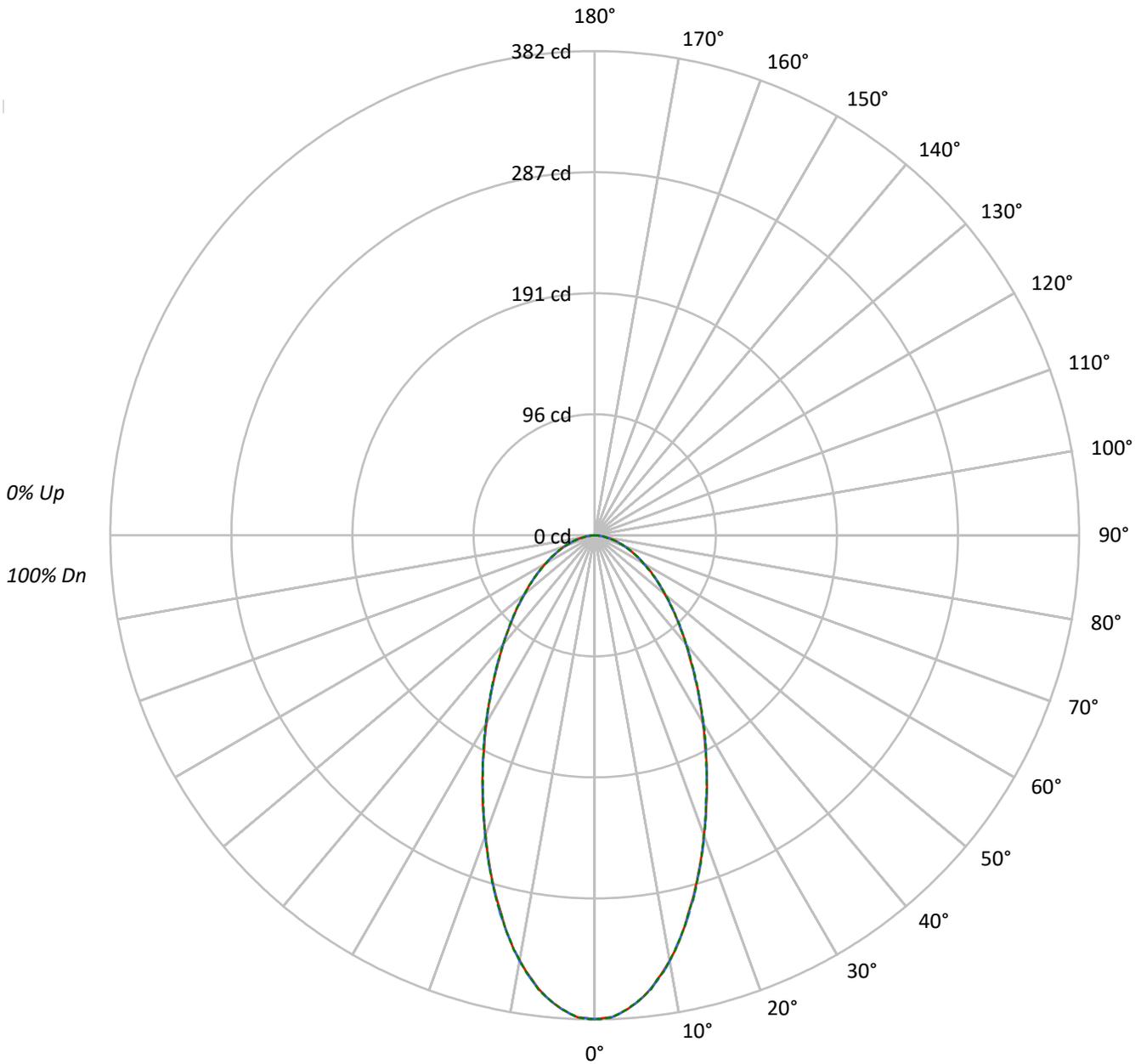
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 478.0 lumens
Efficiency: N/A
Efficacy: 43.1 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
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	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	63	63	63	61
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	56	56	56	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	51	51	51	49
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	40	40	38
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	65755	65755	65755
5°	64070	64070	64070
10°	59546	59651	59546
15°	53097	53222	53222
20°	46167	46295	46167
25°	39773	39640	39640
30°	33926	34046	34185
35°	29098	29098	29245
40°	25225	25225	25225
45°	22042	22042	22042
50°	19345	19345	19505
55°	17325	17325	17325
60°	15362	15362	15362
65°	13896	13896	13896
70°	12538	12236	12538
75°	11379	10913	10913
80°	9124	9124	9124
85°	6521	6521	6521

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22042 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.4	7.2
10°-20°	83.1	17.4
20°-30°	96.0	20.1
30°-40°	87.1	18.2
40°-50°	70.2	14.7
50°-60°	51.7	10.8
60°-70°	34.0	7.1
70°-80°	17.5	3.7
80°-90°	4.0	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°	213.6	44.7
0°-40°	300.6	62.9
0°-60°	422.5	88.4
0°-90°	478.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	478.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	382	382	382	382	382	
5°	371	372	371	371	371	34
15°	298	298	298	298	298	83
25°	209	209	209	209	209	96
35°	138	138	138	138	139	87
45°	90	90	90	90	90	70
55°	58	58	58	57	58	52
65°	34	34	34	34	34	34
75°	17	16	16	16	16	18
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	381.8	381.8	381.8	381.8	381.8
1°	381.1	382.5	381.1	381.1	381.8
2°	380.5	381.1	380.5	380.5	380.5
3°	377.9	379.2	377.9	377.9	377.9
4°	374.6	375.9	374.6	374.6	374.6
5°	370.6	372.0	370.6	370.6	370.6
6°	366.1	366.7	366.1	366.1	366.1
7°	360.8	361.5	360.8	360.8	361.5
8°	354.2	354.9	354.9	354.2	354.2
9°	347.7	348.3	348.3	347.7	348.3
10°	340.5	341.1	341.1	340.5	340.5
11°	333.3	333.9	332.6	332.6	333.3
12°	324.7	325.4	324.7	324.7	324.7
13°	316.2	316.2	316.2	316.2	316.2
14°	306.4	307.7	307.7	307.0	306.4
15°	297.8	298.5	298.5	297.8	298.5
17.5°	274.9	276.2	275.5	275.5	275.5
20°	251.9	252.6	252.6	251.9	251.9
22.5°	230.3	229.6	229.6	229.6	229.6
25°	209.3	208.6	208.6	209.3	208.6
27.5°	188.9	189.6	189.6	188.9	189.6
30°	170.6	170.6	171.2	170.6	171.9
32.5°	154.2	154.2	153.5	154.2	154.2
35°	138.4	138.4	138.4	138.4	139.1
37.5°	124.0	124.6	125.3	125.3	124.6
40°	112.2	112.2	112.2	112.2	112.2
42.5°	100.4	100.4	101.0	101.0	101.0
45°	90.5	90.5	90.5	90.5	90.5
47.5°	81.3	81.3	80.7	80.7	81.3
50°	72.2	72.8	72.2	72.2	72.8
52.5°	64.9	64.3	64.3	64.9	64.9
55°	57.7	57.7	57.7	57.1	57.7
57.5°	51.2	51.2	50.5	50.5	50.5
60°	44.6	44.6	44.6	44.6	44.6
62.5°	39.4	39.4	39.4	39.4	39.4
65°	34.1	34.1	34.1	34.1	34.1
67.5°	29.5	29.5	29.5	29.5	28.9
70°	24.9	24.9	24.3	24.3	24.9
72.5°	20.3	20.3	20.3	20.3	20.3
75°	17.1	16.4	16.4	16.4	16.4
77.5°	13.1	13.1	12.5	13.1	12.5
80°	9.2	9.2	9.2	9.2	9.2
82.5°	6.6	5.9	5.9	5.9	5.9
85°	3.3	3.3	3.3	3.3	3.3
87.5°	0.7	0.7	0.7	0.7	1.3



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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)