

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: P1309668

Luminaire Tested: LDSQA3D24R209030D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309668
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: LDSQA3D24R209030D010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

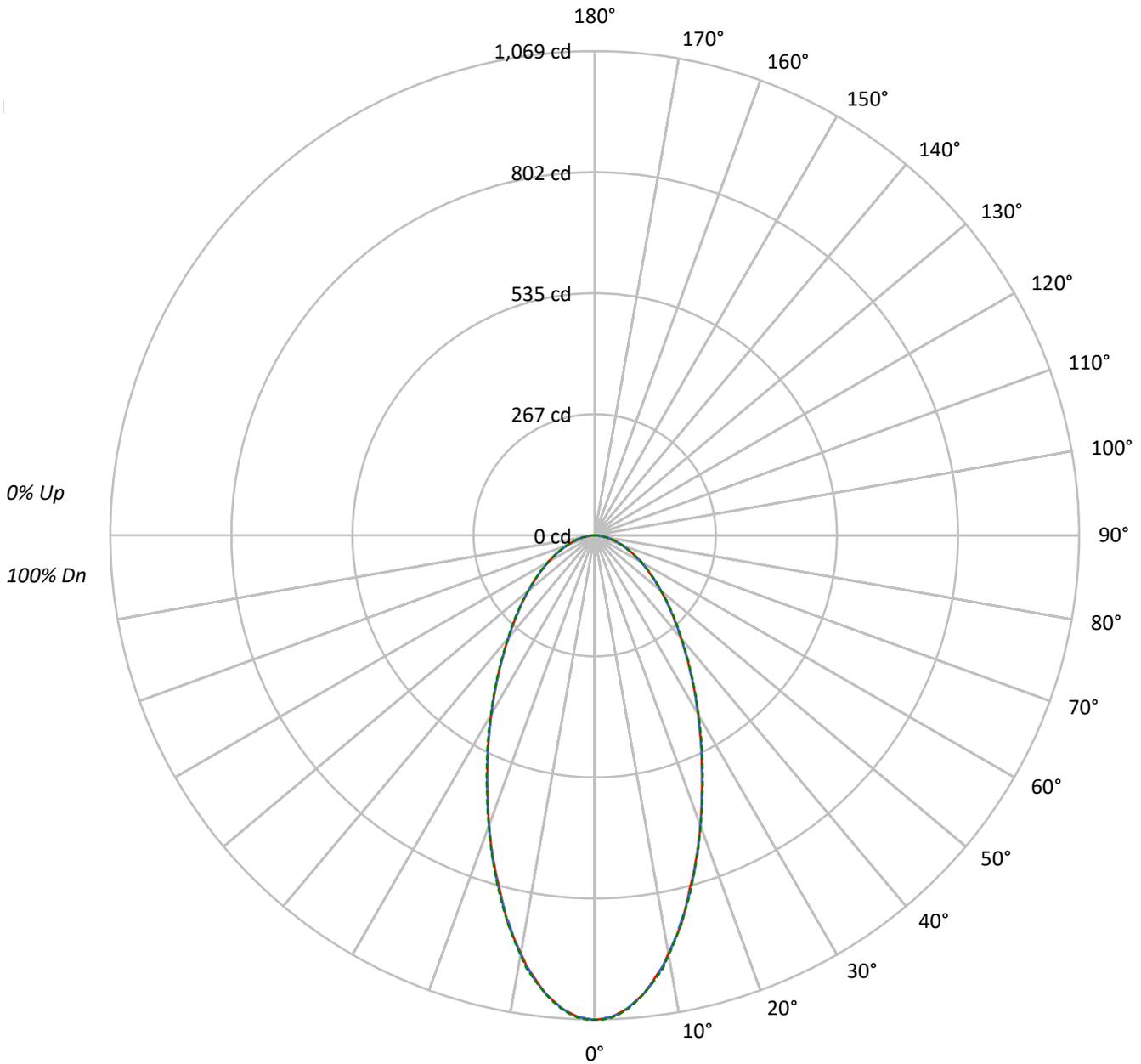
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1279.0 lumens
Efficiency: N/A
Efficacy: 44.4 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): 28.8
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	70	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	40	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	184158	184158	184158
5°	178586	178586	178914
10°	163949	164299	164632
15°	144350	145028	145366
20°	124939	124939	125287
25°	106320	106320	107042
30°	90762	90384	91140
35°	77475	77475	77875
40°	66547	66547	66974
45°	58138	58138	58600
50°	51148	51148	51148
55°	45279	45279	45880
60°	40782	40782	40782
65°	36554	36554	36554
70°	32680	32680	32680
75°	29212	27948	29212
80°	24596	24596	24596
85°	15018	15018	18772

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 58600 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.6	7.5
10°-20°	226.4	17.7
20°-30°	257.8	20.2
30°-40°	231.5	18.1
40°-50°	185.5	14.5
50°-60°	136.3	10.7
60°-70°	89.1	7.0
70°-80°	46.2	3.6
80°-90°	10.7	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°	579.8	45.3
0°-40°	811.3	63.4
0°-60°	1133.0	88.6
0°-90°	1279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1279.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1069	1069	1069	1069	1069	
5°	1033	1033	1033	1033	1035	96
15°	810	810	813	813	815	226
25°	560	560	560	561	563	257
35°	368	368	368	368	370	231
45°	239	239	239	239	241	185
55°	151	151	151	151	153	136
65°	90	88	90	90	90	89
75°	44	42	42	44	44	47
85°	8	8	8	10	10	10
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1069.3	1069.3	1069.3	1069.3	1069.3
1°	1067.4	1065.5	1067.4	1067.4	1069.3
2°	1063.6	1063.6	1063.6	1061.7	1065.5
3°	1055.9	1055.9	1057.8	1055.9	1057.8
4°	1046.4	1046.4	1046.4	1044.5	1048.3
5°	1033.0	1033.0	1033.0	1033.0	1034.9
6°	1019.7	1017.7	1019.7	1017.7	1019.7
7°	1000.6	1000.6	1002.5	1000.6	1002.5
8°	981.5	979.6	983.4	981.5	985.3
9°	962.4	960.5	962.4	960.5	966.2
10°	937.5	939.5	939.5	939.5	941.4
12.5°	880.3	876.4	876.4	876.4	880.3
15°	809.6	809.6	813.4	813.4	815.3
17.5°	746.6	744.7	748.5	748.5	748.5
20°	681.7	679.8	681.7	681.7	683.6
22.5°	616.8	618.7	618.7	618.7	620.6
25°	559.5	559.5	559.5	561.4	563.3
27.5°	506.0	504.1	506.0	507.9	509.8
30°	456.4	454.5	454.5	456.4	458.3
32.5°	410.5	408.6	410.5	410.5	412.4
35°	368.5	368.5	368.5	368.5	370.4
37.5°	330.3	330.3	330.3	332.2	332.2
40°	296.0	296.0	296.0	297.9	297.9
42.5°	265.4	265.4	265.4	267.3	269.2
45°	238.7	238.7	238.7	238.7	240.6
47.5°	213.9	213.9	213.9	215.8	215.8
50°	190.9	189.0	190.9	192.9	190.9
52.5°	169.9	169.9	169.9	169.9	171.9
55°	150.8	150.8	150.8	150.8	152.8
57.5°	133.7	133.7	133.7	135.6	135.6
60°	118.4	118.4	118.4	118.4	118.4
62.5°	103.1	103.1	103.1	103.1	103.1
65°	89.7	87.8	89.7	89.7	89.7
67.5°	76.4	76.4	76.4	76.4	76.4
70°	64.9	64.9	64.9	64.9	64.9
72.5°	53.5	53.5	53.5	53.5	53.5
75°	43.9	42.0	42.0	43.9	43.9
77.5°	34.4	32.5	34.4	34.4	34.4
80°	24.8	24.8	24.8	24.8	24.8
82.5°	15.3	15.3	15.3	17.2	17.2
85°	7.6	7.6	7.6	9.5	9.5
87.5°	1.9	1.9	1.9	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)