

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: P1312914

Luminaire Tested: LDSQA3D20R509050D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312914
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R509050D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

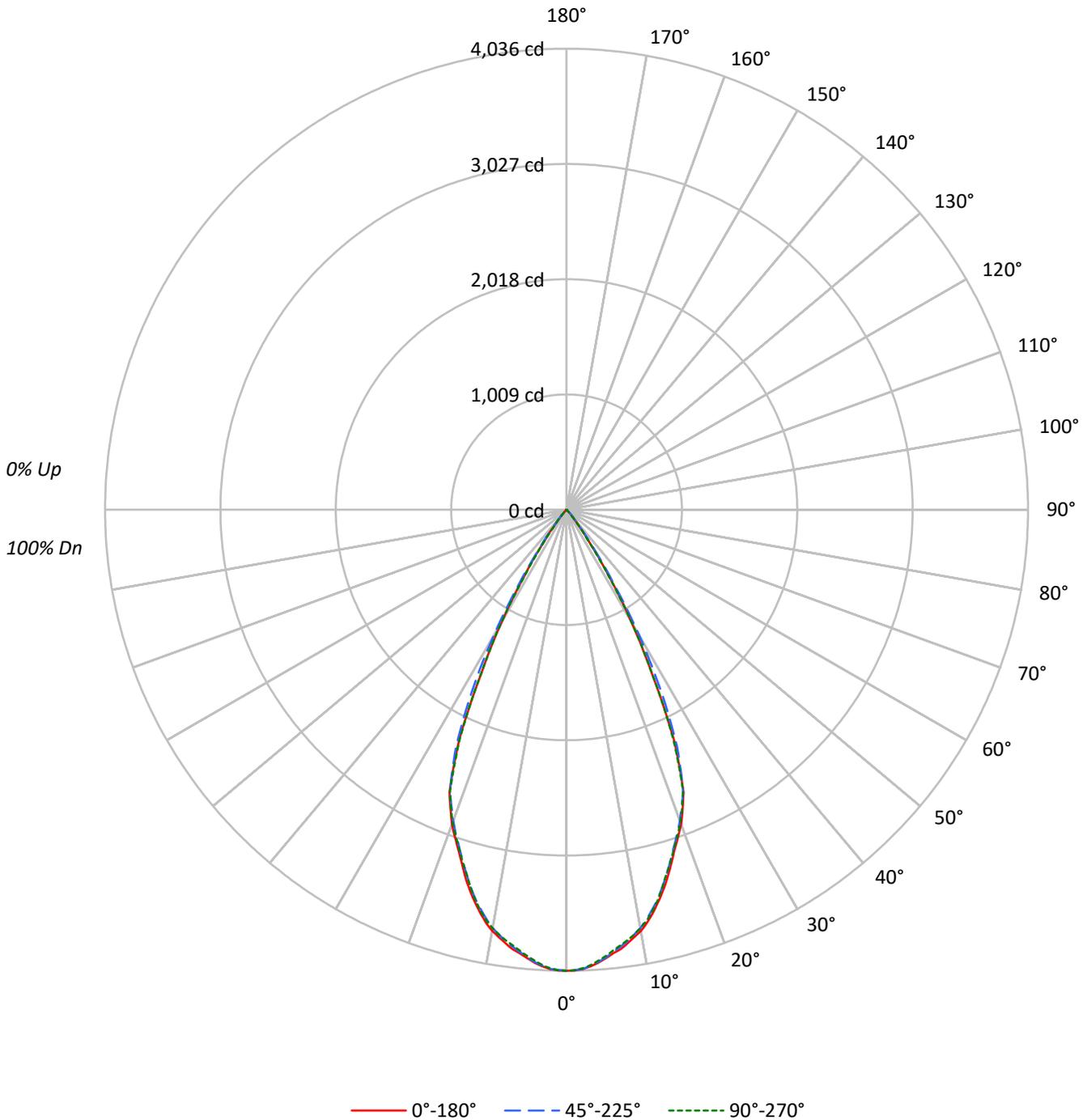
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2600.9 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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





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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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	80
5	96	88	83	80	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	72
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	695091	695091	695091
5°	681478	680198	678279
10°	654801	650289	650604
15°	601114	595515	594856
20°	537016	531261	533973
25°	422068	434344	418572
30°	225812	252977	226548
35°	73754	86179	69486
40°	18255	22819	17424
45°	2241	8086	2241
50°	1474	2465	1474
55°	1651	1651	1651
60°	1274	1274	1274
65°	1508	1508	1508
70°	906	906	906
75°	1198	1198	1198
80°	1785	1785	1785
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 8086 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.0	14.2
10°-20°	933.4	35.9
20°-30°	981.7	37.7
30°-40°	282.9	10.9
40°-50°	23.0	0.9
50°-60°	4.9	0.2
60°-70°	3.5	0.1
70°-80°	1.9	0.1
80°-90°	0.5	0.0
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°	2284.2	87.8
0°-40°	2567.1	98.7
0°-60°	2595.0	99.8
0°-90°	2600.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2600.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4036	4036	4036	4036	4036	
5°	3942	3940	3934	3938	3923	370
15°	3371	3349	3340	3340	3336	939
25°	2221	2276	2286	2260	2203	962
35°	351	364	410	351	330	271
45°	9	18	33	18	9	17
55°	6	6	6	6	6	5
65°	4	4	4	4	4	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4036.0	4036.0	4036.0	4036.0	4036.0
1°	4034.2	4037.9	4030.5	4043.4	4032.3
2°	4025.0	4026.8	4023.1	4032.3	4017.6
3°	4002.8	4006.5	3999.1	4006.5	3993.6
4°	3977.0	3977.0	3969.6	3975.1	3958.5
5°	3941.9	3940.0	3934.5	3938.2	3923.4
6°	3905.0	3903.1	3893.9	3893.9	3882.8
7°	3877.3	3864.3	3856.9	3855.1	3844.0
8°	3832.9	3829.3	3814.5	3814.5	3807.1
9°	3788.6	3784.9	3768.3	3772.0	3766.5
10°	3744.3	3731.4	3718.5	3720.3	3720.3
11°	3685.2	3674.2	3655.7	3663.1	3666.8
12°	3615.1	3602.2	3585.5	3600.3	3598.5
13°	3537.5	3526.5	3513.5	3524.6	3520.9
14°	3456.3	3439.7	3428.6	3436.0	3432.3
15°	3371.4	3349.2	3340.0	3340.0	3336.3
17.5°	3133.2	3120.3	3111.0	3105.5	3118.4
20°	2930.1	2919.0	2898.7	2904.2	2913.5
22.5°	2675.3	2673.5	2662.4	2653.2	2664.2
25°	2221.1	2276.5	2285.7	2259.9	2202.7
27.5°	1613.7	1742.9	1789.1	1728.1	1622.9
30°	1135.5	1196.4	1272.1	1152.1	1139.2
32.5°	685.0	701.6	771.8	688.7	670.2
35°	350.8	363.7	409.9	350.8	330.5
37.5°	164.3	171.7	190.2	164.3	153.2
40°	81.2	90.5	101.5	84.9	77.5
42.5°	35.1	46.2	59.1	44.3	31.4
45°	9.2	18.5	33.2	18.5	9.2
47.5°	5.5	7.4	18.5	7.4	5.5
50°	5.5	5.5	9.2	5.5	5.5
52.5°	5.5	5.5	5.5	5.5	5.5
55°	5.5	5.5	5.5	5.5	5.5
57.5°	5.5	5.5	5.5	5.5	5.5
60°	3.7	5.5	3.7	5.5	3.7
62.5°	3.7	3.7	3.7	3.7	3.7
65°	3.7	3.7	3.7	3.7	3.7
67.5°	3.7	3.7	3.7	3.7	3.7
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8
82.5°	0.0	1.8	0.0	1.8	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)