

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: P1309754

Luminaire Tested: LDSQA3D24R559030D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309754
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R559030D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

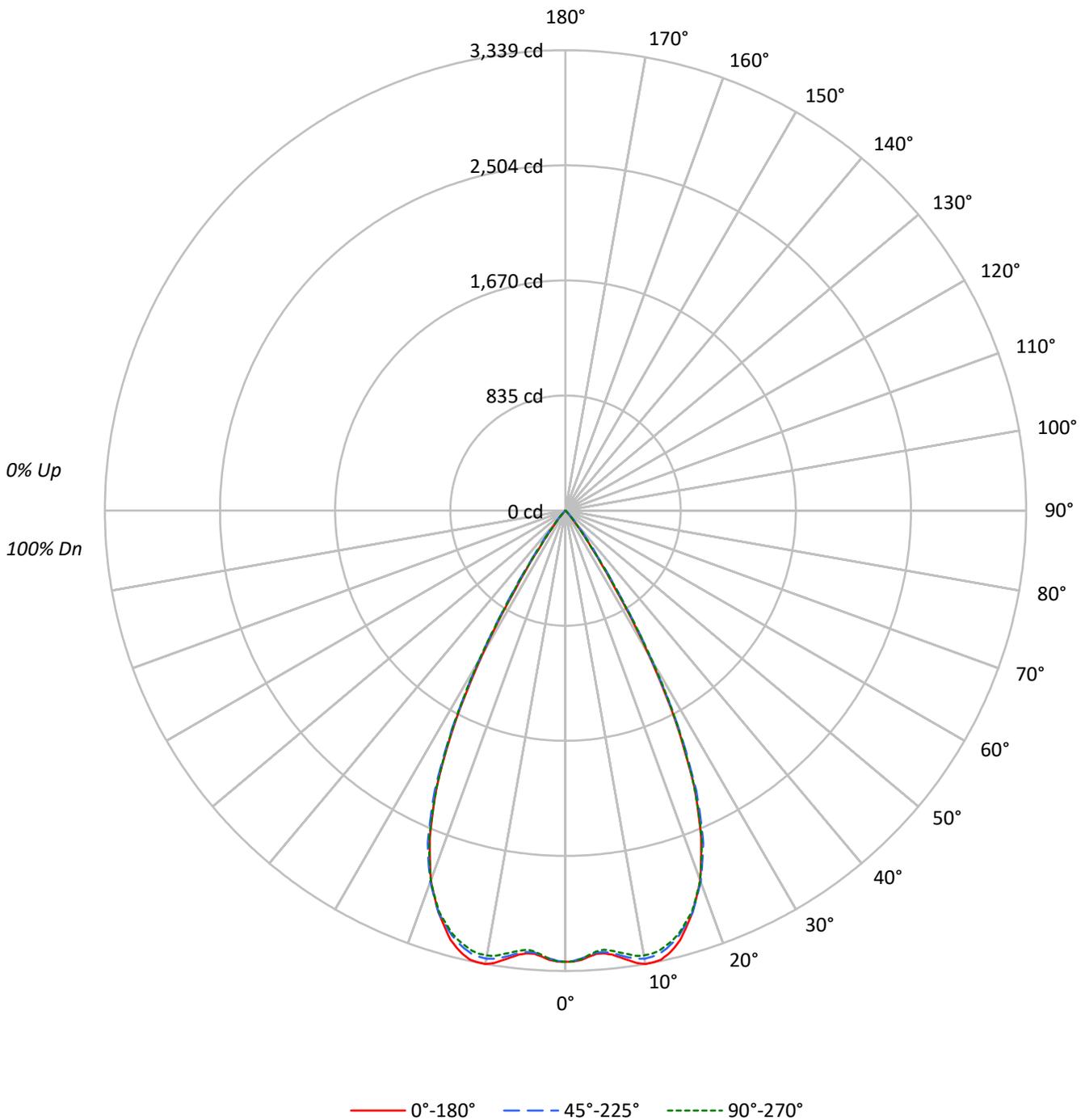
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2488.0 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
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 (Ain): 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

TEST NUMBER: P1309754
CATALOG NUMBER: LDSQA3D24R559030D010 3LSQCDR1MB

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	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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	563616	563616	563616
5°	557177	555534	552561
10°	583992	576980	572975
15°	574298	568164	566114
20°	523105	525213	523453
25°	419674	426211	419674
30°	240866	246951	248840
35°	68687	82752	70684
40°	17603	25337	18031
45°	1851	8841	1388
50°	0	1527	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 8841 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.7	12.5
10°-20°	886.6	35.6
20°-30°	976.6	39.3
30°-40°	291.5	11.7
40°-50°	22.4	0.9
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	2173.9	87.4
0°-40°	2465.5	99.1
0°-60°	2488.0	100.0
0°-90°	2488.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2488.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3273	3273	3273	3273	3273	
5°	3223	3217	3213	3200	3196	313
15°	3221	3198	3187	3173	3175	893
25°	2208	2208	2243	2239	2208	967
35°	327	348	394	359	336	270
45°	8	19	36	19	6	15
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3272.6	3272.6	3272.6	3272.6	3272.6
1°	3270.7	3270.7	3266.8	3264.9	3270.7
2°	3261.1	3261.1	3251.6	3249.7	3255.4
3°	3240.1	3238.2	3230.5	3224.8	3228.6
4°	3222.9	3219.1	3213.4	3203.8	3205.7
5°	3222.9	3217.2	3213.4	3200.0	3196.2
6°	3238.2	3234.4	3226.7	3213.4	3209.5
7°	3264.9	3257.3	3249.7	3232.5	3228.6
8°	3293.6	3287.9	3272.6	3255.4	3247.7
9°	3322.3	3308.9	3289.8	3272.6	3270.7
10°	3339.4	3320.3	3299.3	3278.3	3276.4
11°	3337.5	3320.3	3295.5	3276.4	3274.5
12°	3329.9	3305.1	3284.0	3261.1	3263.0
13°	3303.1	3280.2	3259.2	3242.0	3238.2
14°	3266.8	3245.8	3226.7	3209.5	3211.4
15°	3221.0	3198.1	3186.6	3173.2	3175.1
17.5°	3058.6	3052.9	3058.6	3043.3	3049.1
20°	2854.2	2848.5	2865.7	2858.0	2856.1
22.5°	2569.5	2577.2	2609.7	2600.1	2582.9
25°	2208.5	2208.5	2242.9	2239.0	2208.5
27.5°	1738.5	1751.9	1772.9	1782.4	1759.5
30°	1211.2	1241.8	1241.8	1260.9	1251.3
32.5°	676.3	741.2	756.5	766.1	727.9
35°	326.7	347.7	393.6	359.2	336.2
37.5°	156.7	166.2	212.1	171.9	160.5
40°	78.3	89.8	112.7	93.6	80.2
42.5°	32.5	47.8	59.2	47.8	32.5
45°	7.6	19.1	36.3	19.1	5.7
47.5°	0.0	1.9	17.2	3.8	0.0
50°	0.0	0.0	5.7	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	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



TEST NUMBER: P1309754
CATALOG NUMBER: LDSQA3D24R559030D010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)