

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: P1310872

Luminaire Tested: LDSQA3D24R559035D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310872
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: LDSQA3D24R559035D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

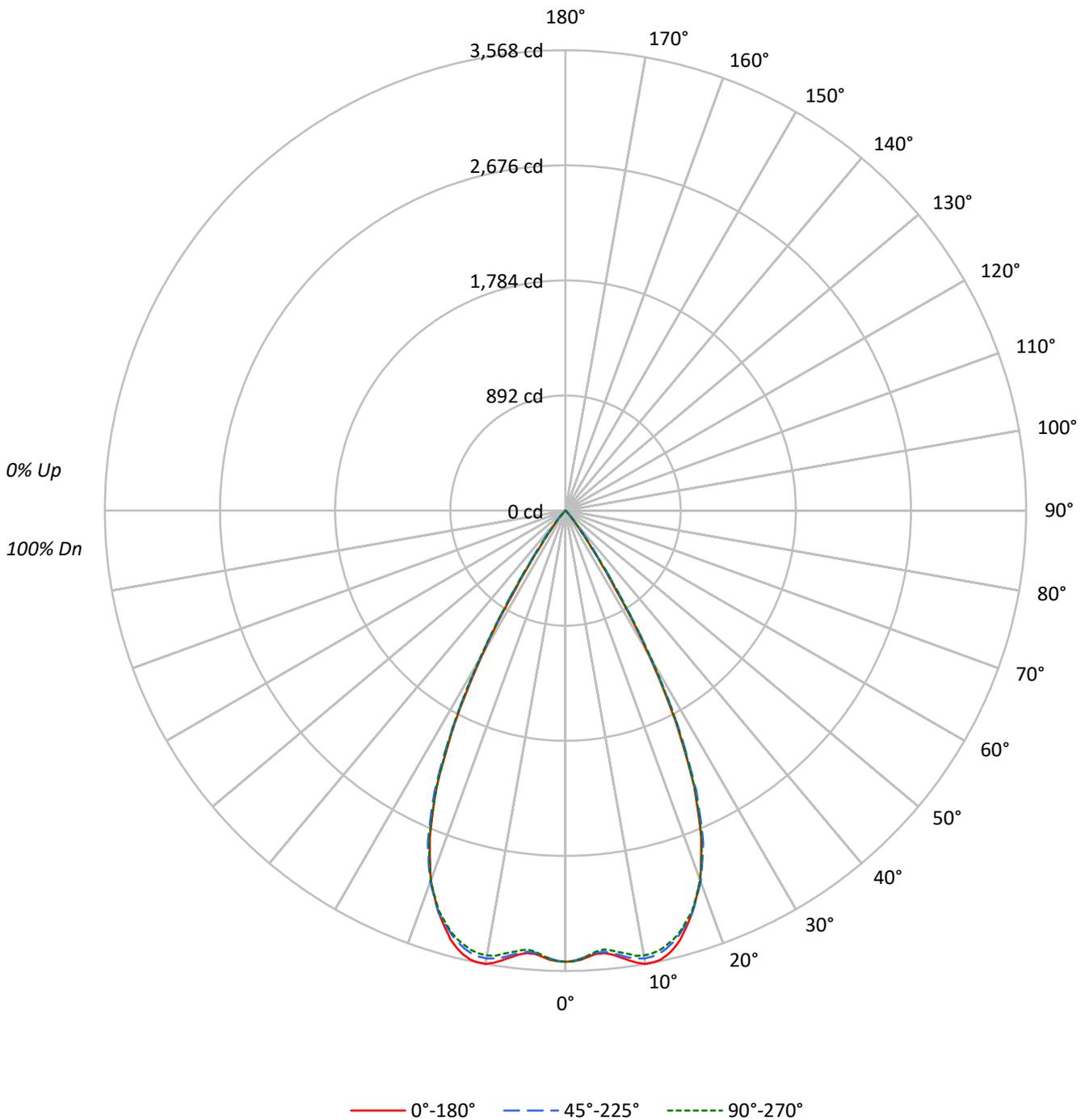
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2658.0 lumens
Efficiency: N/A
Efficacy: 92.3 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 (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				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°	602125	602125	602125
5°	595245	593481	590300
10°	623900	616415	612131
15°	613541	606980	604805
20°	558844	561098	559229
25°	448349	455323	448349
30°	257332	263815	265844
35°	73376	88387	75520
40°	18817	27068	19267
45°	1997	9450	1486
50°	0	1634	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: 9450 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.9	12.5
10°-20°	947.2	35.6
20°-30°	1043.3	39.3
30°-40°	311.4	11.7
40°-50°	23.9	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°	2322.5	87.4
0°-40°	2633.9	99.1
0°-60°	2658.0	100.0
0°-90°	2658.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2658.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3496	3496	3496	3496	3496	
5°	3443	3437	3433	3419	3414	334
15°	3441	3417	3404	3390	3392	954
25°	2359	2359	2396	2392	2359	1033
35°	349	372	420	384	359	288
45°	8	20	39	20	6	16
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°	3496.2	3496.2	3496.2	3496.2	3496.2
1°	3494.1	3494.1	3490.1	3488.0	3494.1
2°	3483.9	3483.9	3473.7	3471.7	3477.8
3°	3461.5	3459.5	3451.3	3445.2	3449.2
4°	3443.1	3439.0	3432.9	3422.7	3424.8
5°	3443.1	3437.0	3432.9	3418.6	3414.5
6°	3459.5	3455.4	3447.2	3432.9	3428.8
7°	3488.0	3479.9	3471.7	3453.3	3449.2
8°	3518.6	3512.5	3496.2	3477.8	3469.7
9°	3549.3	3535.0	3514.6	3496.2	3494.1
10°	3567.6	3547.2	3524.8	3502.3	3500.3
11°	3565.6	3547.2	3520.7	3500.3	3498.2
12°	3557.4	3530.9	3508.4	3483.9	3486.0
13°	3528.8	3504.4	3481.9	3463.5	3459.5
14°	3490.1	3467.6	3447.2	3428.8	3430.9
15°	3441.1	3416.6	3404.3	3390.1	3392.1
17.5°	3267.6	3261.5	3267.6	3251.3	3257.4
20°	3049.2	3043.1	3061.5	3053.3	3051.3
22.5°	2745.1	2753.3	2788.0	2777.8	2759.4
25°	2359.4	2359.4	2396.1	2392.0	2359.4
27.5°	1857.3	1871.6	1894.0	1904.2	1879.7
30°	1294.0	1326.6	1326.6	1347.0	1336.8
32.5°	722.5	791.9	808.2	818.4	777.6
35°	349.0	371.5	420.4	383.7	359.2
37.5°	167.4	177.6	226.5	183.7	171.4
40°	83.7	95.9	120.4	100.0	85.7
42.5°	34.7	51.0	63.3	51.0	34.7
45°	8.2	20.4	38.8	20.4	6.1
47.5°	0.0	2.0	18.4	4.1	0.0
50°	0.0	0.0	6.1	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



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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)