

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: P1311992

Luminaire Tested: LDSQA3D24R559040D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311992
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R559040D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

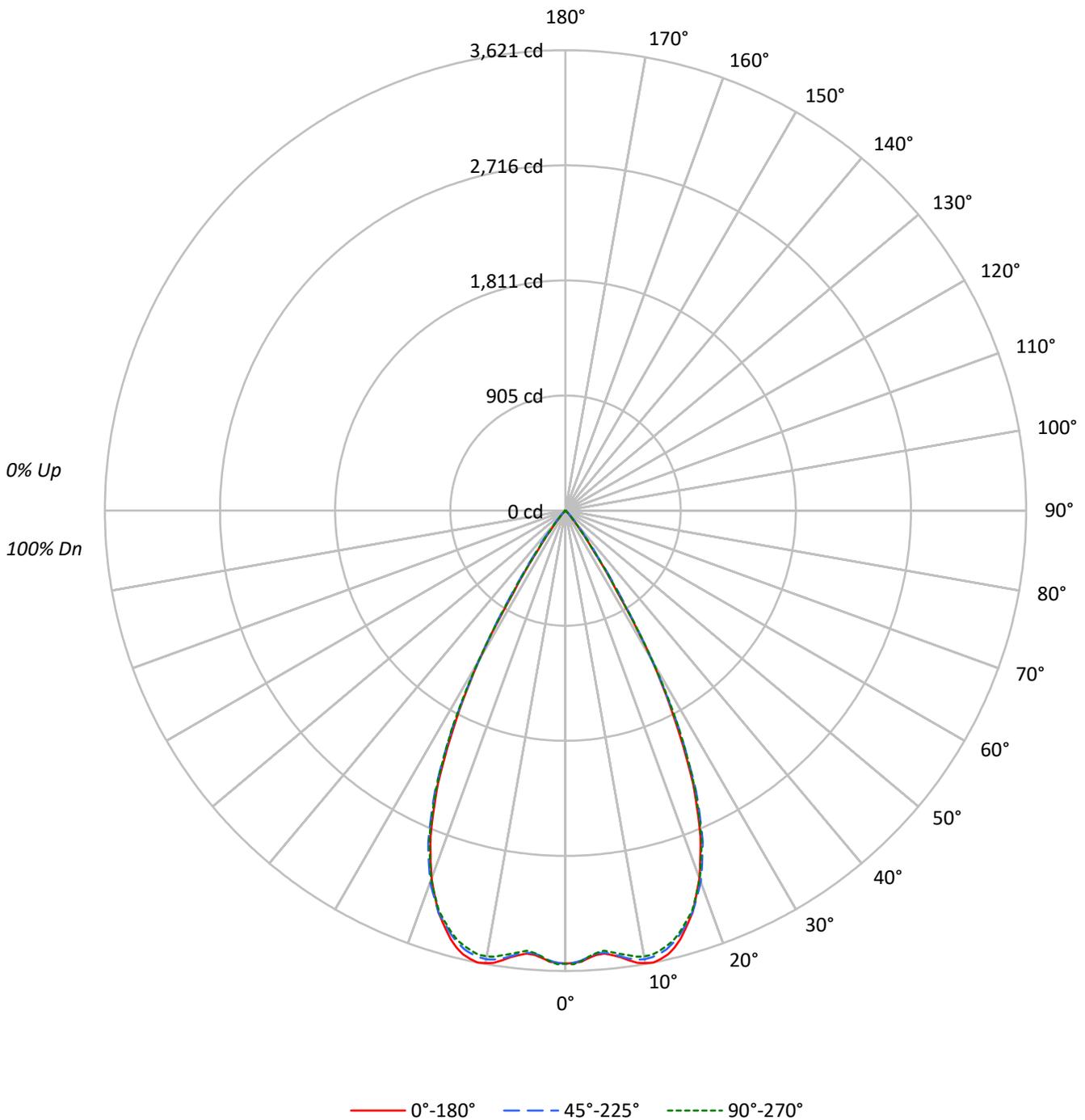
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2732.0 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
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	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	111	109	107	112	109	107	105	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	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	613560	613560	613560
5°	604771	603699	600829
10°	632102	626663	622658
15°	622242	616679	614094
20°	564232	569932	565753
25°	451199	460663	456330
30°	270577	270577	273898
35°	78169	92592	80797
40°	22415	30351	22415
45°	5066	11642	5066
50°	2224	3885	1661
55°	1862	1862	1862
60°	2136	2136	2136
65°	1712	1712	1712
70°	2115	2115	2115
75°	1397	1397	1397
80°	2083	2083	2083
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 11642 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.8	12.4
10°-20°	962.8	35.2
20°-30°	1060.7	38.8
30°-40°	324.4	11.9
40°-50°	32.1	1.2
50°-60°	5.9	0.2
60°-70°	4.8	0.2
70°-80°	2.6	0.1
80°-90°	0.9	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°	2361.3	86.4
0°-40°	2685.7	98.3
0°-60°	2723.8	99.7
0°-90°	2732.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2732.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3563	3563	3563	3563	3563	
5°	3498	3498	3492	3482	3475	339
15°	3490	3484	3459	3444	3444	967
25°	2374	2397	2424	2447	2401	1046
35°	372	390	440	405	384	305
45°	21	31	48	31	21	24
55°	6	6	6	6	6	6
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3562.6	3562.6	3562.6	3562.6	3562.6
1°	3558.4	3560.5	3558.4	3554.3	3568.8
2°	3550.1	3548.1	3541.8	3539.7	3546.0
3°	3523.1	3523.1	3514.8	3510.7	3512.7
4°	3502.4	3502.4	3489.9	3485.7	3487.8
5°	3498.2	3498.2	3492.0	3481.6	3475.4
6°	3514.8	3519.0	3504.4	3494.0	3494.0
7°	3539.7	3541.8	3531.4	3516.9	3512.7
8°	3570.9	3573.0	3556.4	3539.7	3531.4
9°	3602.1	3597.9	3575.1	3558.4	3552.2
10°	3614.5	3612.5	3583.4	3566.8	3560.5
11°	3620.8	3610.4	3577.1	3562.6	3560.5
12°	3606.2	3597.9	3562.6	3548.1	3541.8
13°	3581.3	3568.8	3539.7	3525.2	3516.9
14°	3541.8	3529.4	3502.4	3485.7	3487.8
15°	3489.9	3483.7	3458.7	3444.2	3444.2
17.5°	3317.5	3321.6	3315.4	3309.2	3305.0
20°	3078.6	3095.2	3109.7	3101.4	3086.9
22.5°	2773.2	2802.3	2818.9	2823.1	2796.1
25°	2374.4	2397.2	2424.2	2447.1	2401.4
27.5°	1877.9	1898.7	1923.6	1938.1	1931.9
30°	1360.6	1362.7	1360.6	1387.6	1377.3
32.5°	756.1	818.5	828.8	847.5	781.1
35°	371.8	390.5	440.4	405.1	384.3
37.5°	178.6	191.1	238.9	195.3	187.0
40°	99.7	108.0	135.0	112.2	99.7
42.5°	47.8	62.3	72.7	64.4	47.8
45°	20.8	31.2	47.8	31.2	20.8
47.5°	8.3	12.5	29.1	12.5	8.3
50°	8.3	6.2	14.5	6.2	6.2
52.5°	6.2	6.2	8.3	6.2	6.2
55°	6.2	6.2	6.2	6.2	6.2
57.5°	6.2	6.2	6.2	6.2	6.2
60°	6.2	6.2	6.2	6.2	6.2
62.5°	4.2	6.2	6.2	6.2	4.2
65°	4.2	4.2	4.2	4.2	4.2
67.5°	4.2	4.2	4.2	4.2	4.2
70°	4.2	4.2	4.2	4.2	4.2
72.5°	2.1	4.2	2.1	2.1	2.1
75°	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	2.1	2.1	2.1
80°	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1
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)