

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: P1311990

Luminaire Tested: LDSQA3D24R559040D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311990
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: LDSQA3D24R559040D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

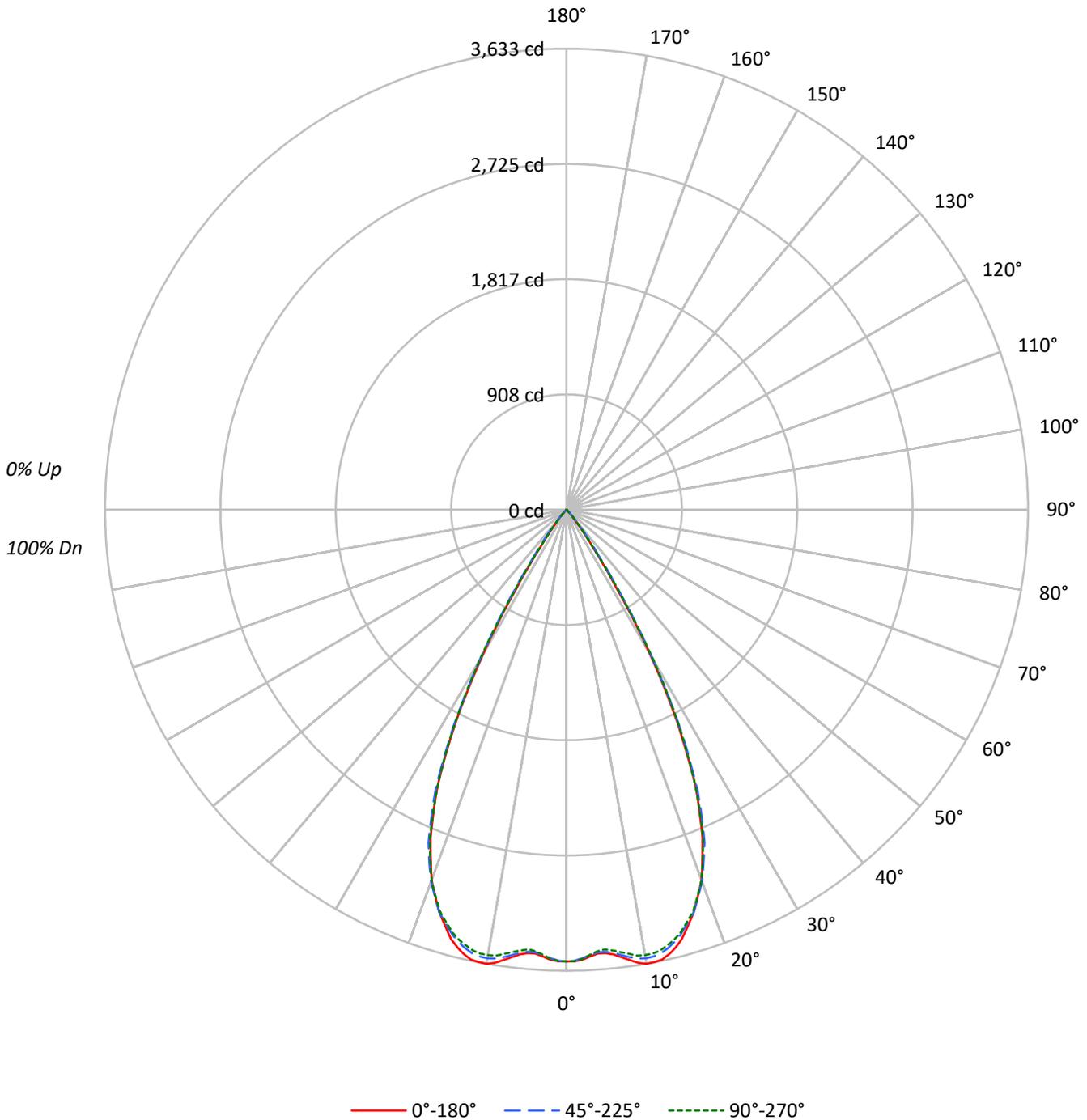
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2707.0 lumens
Efficiency: N/A
Efficacy: 94.0 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

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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	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°	613216	613216	613216
5°	606223	604425	601192
10°	635407	627765	623410
15°	624845	618177	615948
20°	569144	571435	569529
25°	456615	463722	456615
30°	262065	268687	270755
35°	74721	90027	76908
40°	19155	27563	19627
45°	2022	9621	1510
50°	0	1661	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: 9621 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.1	12.5
10°-20°	964.7	35.6
20°-30°	1062.5	39.3
30°-40°	317.2	11.7
40°-50°	24.4	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°	2365.3	87.4
0°-40°	2682.5	99.1
0°-60°	2707.0	100.0
0°-90°	2707.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2707.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3561	3561	3561	3561	3561	
5°	3507	3500	3496	3482	3478	340
15°	3504	3480	3467	3453	3455	971
25°	2403	2403	2440	2436	2403	1052
35°	355	378	428	391	366	294
45°	8	21	40	21	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3560.6	3560.6	3560.6	3560.6	3560.6
1°	3558.6	3558.6	3554.4	3552.3	3558.6
2°	3548.2	3548.2	3537.8	3535.7	3541.9
3°	3525.3	3523.2	3514.9	3508.7	3512.8
4°	3506.6	3502.4	3496.2	3485.8	3487.9
5°	3506.6	3500.4	3496.2	3481.7	3477.5
6°	3523.2	3519.1	3510.8	3496.2	3492.0
7°	3552.3	3544.0	3535.7	3517.0	3512.8
8°	3583.5	3577.3	3560.6	3541.9	3533.6
9°	3614.7	3600.1	3579.3	3560.6	3558.6
10°	3633.4	3612.6	3589.7	3566.9	3564.8
11°	3631.3	3612.6	3585.6	3564.8	3562.7
12°	3623.0	3596.0	3573.1	3548.2	3550.2
13°	3593.9	3569.0	3546.1	3527.4	3523.2
14°	3554.4	3531.5	3510.8	3492.0	3494.1
15°	3504.5	3479.6	3467.1	3452.6	3454.6
17.5°	3327.8	3321.6	3327.8	3311.2	3317.4
20°	3105.4	3099.2	3117.9	3109.6	3107.5
22.5°	2795.7	2804.0	2839.4	2829.0	2810.3
25°	2402.9	2402.9	2440.3	2436.1	2402.9
27.5°	1891.5	1906.1	1928.9	1939.3	1914.4
30°	1317.8	1351.1	1351.1	1371.9	1361.5
32.5°	735.8	806.5	823.1	833.5	791.9
35°	355.4	378.3	428.2	390.8	365.8
37.5°	170.4	180.8	230.7	187.1	174.6
40°	85.2	97.7	122.6	101.9	87.3
42.5°	35.3	52.0	64.4	52.0	35.3
45°	8.3	20.8	39.5	20.8	6.2
47.5°	0.0	2.1	18.7	4.2	0.0
50°	0.0	0.0	6.2	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)