

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: P1311681

Luminaire Tested: LDSQA3D17R459040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311681
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R459040DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

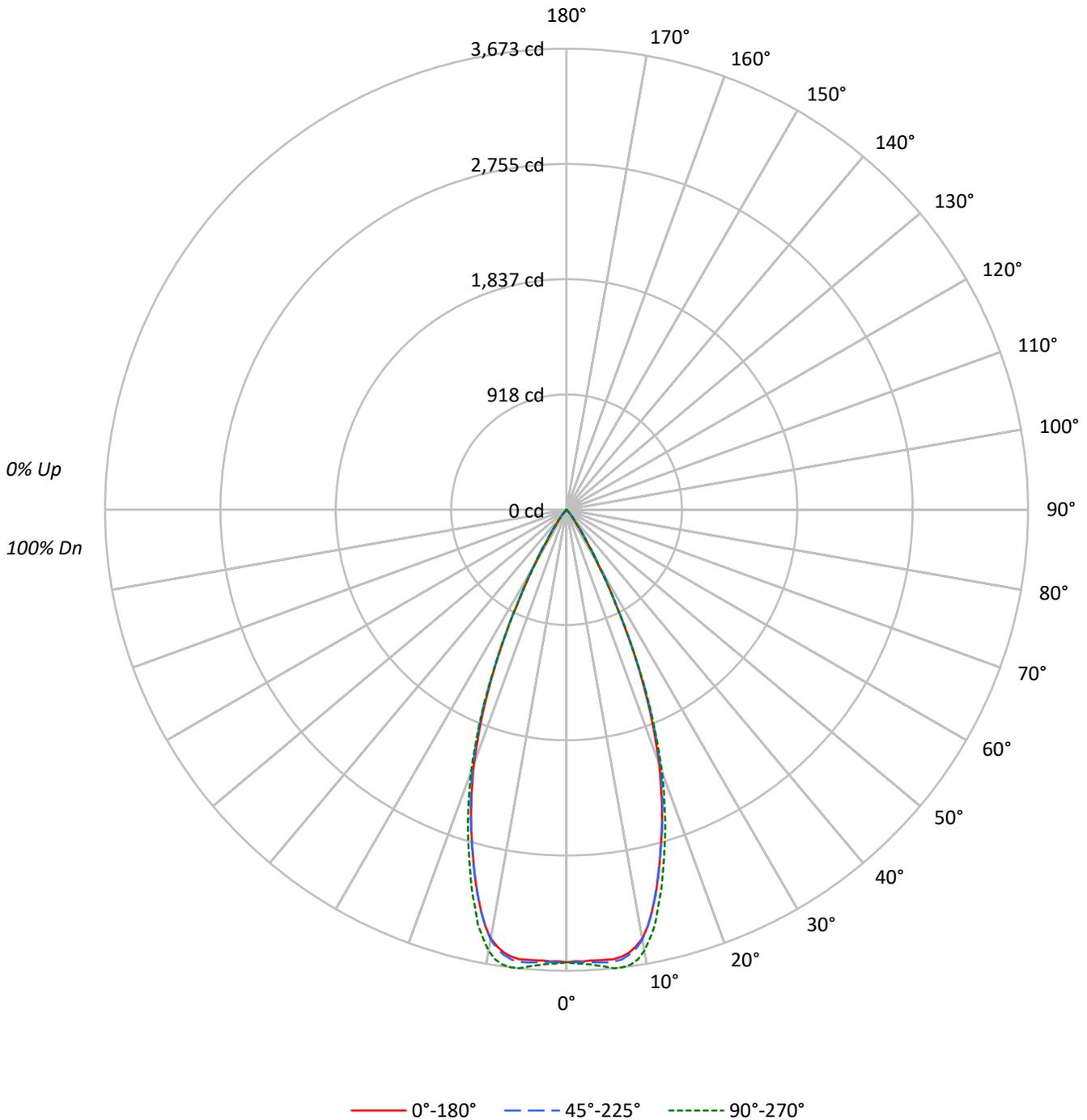
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1864.0 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	79	76	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	71	67	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	620914	620914	620914
5°	622335	625914	632155
10°	606744	607951	623952
15°	511876	512125	528921
20°	395142	400732	407330
25°	245134	245400	246978
30°	101123	107467	99473
35°	31453	38454	30296
40°	9667	13399	9038
45°	682	5066	682
50°	0	750	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: 5066 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.1	18.4
10°-20°	797.8	42.8
20°-30°	585.2	31.4
30°-40°	125.8	6.7
40°-50°	12.0	0.6
50°-60°	0.1	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°	1726.2	92.6
0°-40°	1852.0	99.4
0°-60°	1864.0	100.0
0°-90°	1864.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1864.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3605	3605	3605	3605	3605	
5°	3600	3610	3620	3646	3657	340
15°	2871	2865	2872	2918	2966	791
25°	1290	1286	1291	1291	1300	579
35°	150	161	183	157	144	118
45°	3	8	21	8	3	7
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°	3605.3	3605.3	3605.3	3605.3	3605.3
1°	3598.4	3606.7	3606.7	3612.2	3615.0
2°	3601.1	3606.7	3605.3	3615.0	3619.2
3°	3597.0	3606.7	3609.5	3620.5	3627.5
4°	3598.4	3606.7	3615.0	3631.6	3641.3
5°	3599.8	3609.5	3620.5	3645.5	3656.6
6°	3601.1	3608.1	3620.5	3652.4	3673.2
7°	3587.3	3597.0	3610.8	3651.0	3673.2
8°	3565.1	3570.7	3581.7	3634.4	3660.7
9°	3523.6	3522.2	3538.8	3597.0	3627.5
10°	3469.5	3452.9	3476.4	3534.6	3567.9
11°	3382.2	3364.2	3385.0	3447.3	3479.2
12°	3268.6	3268.6	3272.8	3328.2	3383.6
13°	3148.1	3134.2	3142.5	3204.9	3243.7
14°	3015.0	3001.2	3009.5	3056.6	3117.6
15°	2870.9	2865.4	2872.3	2918.0	2966.5
17.5°	2528.7	2516.2	2541.2	2586.9	2611.8
20°	2156.0	2176.8	2186.5	2215.6	2222.5
22.5°	1727.8	1750.0	1763.9	1768.0	1772.2
25°	1290.0	1285.8	1291.4	1291.4	1299.7
27.5°	848.0	848.0	863.2	853.5	843.8
30°	508.5	529.3	540.4	522.4	500.2
32.5°	277.1	297.9	315.9	289.6	270.2
35°	149.6	160.7	182.9	156.6	144.1
37.5°	81.7	91.4	105.3	88.7	81.7
40°	43.0	52.7	59.6	52.7	40.2
42.5°	13.9	26.3	34.6	26.3	12.5
45°	2.8	8.3	20.8	8.3	2.8
47.5°	0.0	1.4	9.7	1.4	0.0
50°	0.0	0.0	2.8	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)