

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: P1310397

Luminaire Tested: LDSQA3D13R409035DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310397
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R409035DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

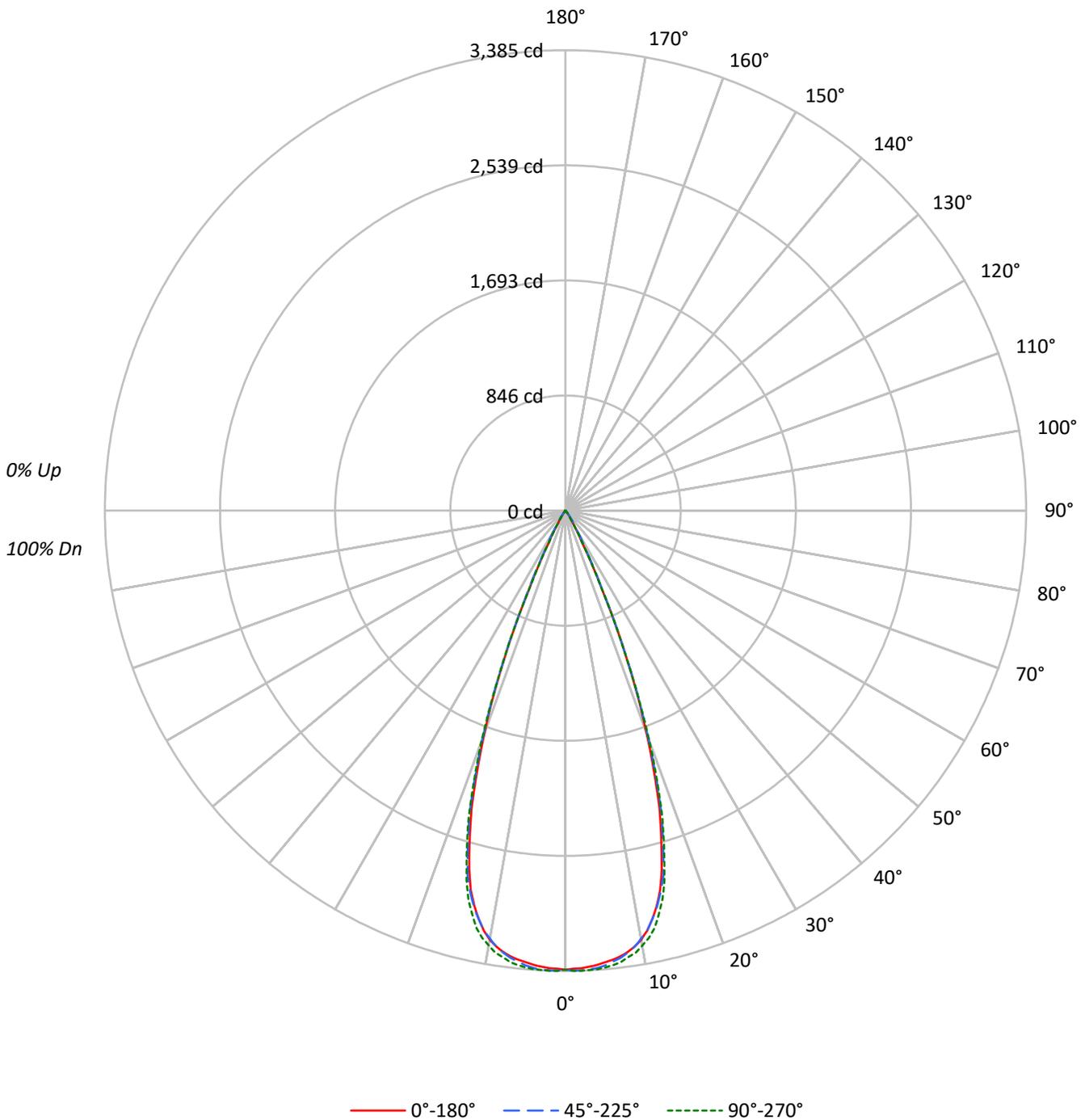
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1420.0 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	92	92	92	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	88	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	85	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	82	80	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	80	77	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	77	74	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	75	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	581561	581561	581561
5°	576522	580152	582918
10°	560104	559055	567799
15°	487253	495098	501160
20°	319797	326029	330244
25°	114016	120667	113446
30°	24858	33608	25057
35°	7989	13876	7779
40°	2473	4272	2248
45°	244	1461	244
50°	0	268	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: 1461 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.8	22.2
10°-20°	735.4	51.8
20°-30°	329.8	23.2
30°-40°	35.6	2.5
40°-50°	3.3	0.2
50°-60°	0.0	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°	1381.0	97.3
0°-40°	1416.7	99.8
0°-60°	1420.0	100.0
0°-90°	1420.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1420.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3377	3377	3377	3377	3377	
5°	3335	3344	3356	3361	3372	315
15°	2733	2753	2777	2793	2811	726
25°	600	618	635	646	597	320
35°	38	44	66	43	37	29
45°	1	2	6	2	1	2
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°	3376.8	3376.8	3376.8	3376.8	3376.8
1°	3369.8	3376.8	3382.8	3377.8	3384.8
2°	3366.8	3374.8	3383.8	3378.8	3384.8
3°	3358.8	3368.8	3378.8	3375.8	3381.8
4°	3347.8	3355.8	3370.8	3370.8	3379.8
5°	3334.8	3343.8	3355.8	3360.8	3371.8
6°	3320.8	3325.8	3334.8	3344.8	3359.8
7°	3302.8	3302.8	3313.8	3323.8	3343.8
8°	3277.8	3275.8	3283.8	3296.8	3314.8
9°	3246.8	3239.8	3245.8	3264.8	3291.8
10°	3202.8	3196.8	3196.8	3220.8	3246.8
11°	3145.8	3143.8	3144.8	3167.8	3202.8
12°	3068.8	3070.8	3070.8	3096.8	3139.8
13°	2981.8	2980.8	2989.8	3018.8	3047.8
14°	2875.8	2881.8	2890.8	2916.8	2946.8
15°	2732.8	2752.8	2776.8	2792.8	2810.8
17.5°	2297.9	2317.9	2350.9	2363.9	2367.9
20°	1744.9	1773.9	1778.9	1804.9	1801.9
22.5°	1169.9	1167.9	1171.9	1174.9	1175.9
25°	600.0	618.0	635.0	646.0	597.0
27.5°	261.0	292.0	314.0	285.0	264.0
30°	125.0	142.0	169.0	143.0	126.0
32.5°	68.0	79.0	107.0	78.0	67.0
35°	38.0	44.0	66.0	43.0	37.0
37.5°	22.0	24.0	36.0	24.0	21.0
40°	11.0	14.0	19.0	14.0	10.0
42.5°	4.0	7.0	10.0	7.0	4.0
45°	1.0	2.0	6.0	2.0	1.0
47.5°	0.0	0.0	3.0	0.0	0.0
50°	0.0	0.0	1.0	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)