

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: P1314188

Luminaire Tested: LDSQA3D02R409730DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314188
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: LDSQA3D02R409730DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

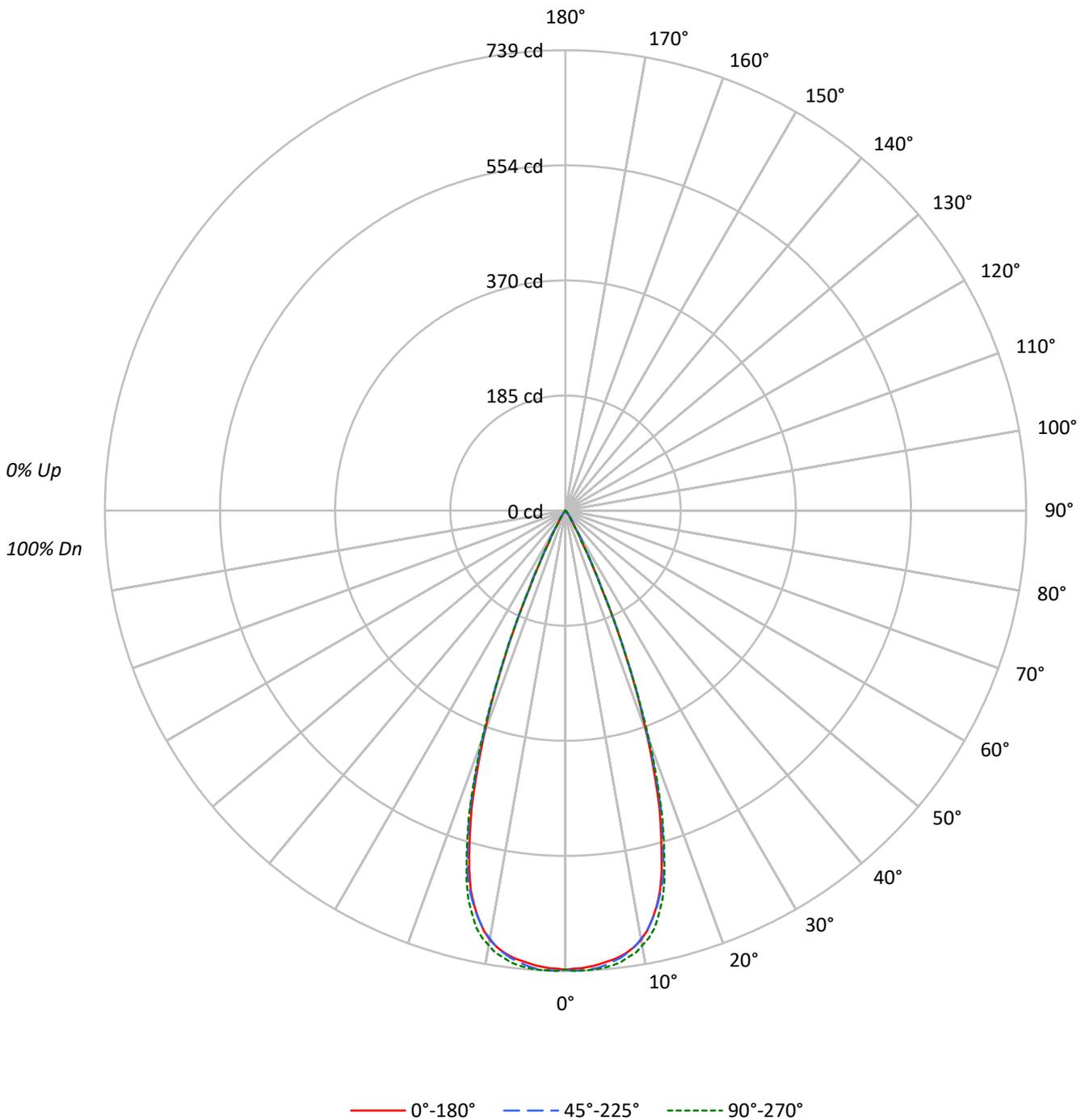
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 310.0 lumens
Efficiency: N/A
Efficacy: 86.1 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): 3.6
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	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	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	126963	126963	126963
5°	125857	126652	127257
10°	122276	122048	123955
15°	106373	108084	109404
20°	69810	71184	72101
25°	24893	26338	24760
30°	5429	7338	5469
35°	1745	3028	1703
40°	540	922	495
45°	49	317	49
50°	0	54	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: 317 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	22.2
10°-20°	160.6	51.8
20°-30°	72.0	23.2
30°-40°	7.8	2.5
40°-50°	0.7	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°	301.5	97.3
0°-40°	309.3	99.8
0°-60°	310.0	100.0
0°-90°	310.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	310.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	737	737	737	737	737	
5°	728	730	733	734	736	69
15°	597	601	606	610	614	159
25°	131	135	139	141	130	70
35°	8	10	14	9	8	6
45°	0	0	1	0	0	0
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°	737.2	737.2	737.2	737.2	737.2
1°	735.7	737.2	738.5	737.4	738.9
2°	735.0	736.8	738.7	737.6	738.9
3°	733.3	735.4	737.6	737.0	738.3
4°	730.9	732.6	735.9	735.9	737.8
5°	728.0	730.0	732.6	733.7	736.1
6°	725.0	726.1	728.0	730.2	733.5
7°	721.0	721.0	723.4	725.6	730.0
8°	715.6	715.1	716.9	719.7	723.7
9°	708.8	707.3	708.6	712.7	718.6
10°	699.2	697.9	697.9	703.1	708.8
11°	686.8	686.3	686.5	691.6	699.2
12°	670.0	670.4	670.4	676.1	685.5
13°	651.0	650.7	652.7	659.0	665.4
14°	627.8	629.1	631.1	636.8	643.3
15°	596.6	601.0	606.2	609.7	613.6
17.5°	501.6	506.0	513.2	516.1	516.9
20°	380.9	387.3	388.4	394.0	393.4
22.5°	255.4	255.0	255.8	256.5	256.7
25°	131.0	134.9	138.6	141.0	130.3
27.5°	57.0	63.7	68.5	62.2	57.6
30°	27.3	31.0	36.9	31.2	27.5
32.5°	14.8	17.2	23.4	17.0	14.6
35°	8.3	9.6	14.4	9.4	8.1
37.5°	4.8	5.2	7.9	5.2	4.6
40°	2.4	3.1	4.1	3.1	2.2
42.5°	0.9	1.5	2.2	1.5	0.9
45°	0.2	0.4	1.3	0.4	0.2
47.5°	0.0	0.0	0.7	0.0	0.0
50°	0.0	0.0	0.2	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)