

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: P1311050

Luminaire Tested: LDSQA3D02R559040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311050
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: LDSQA3D02R559040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

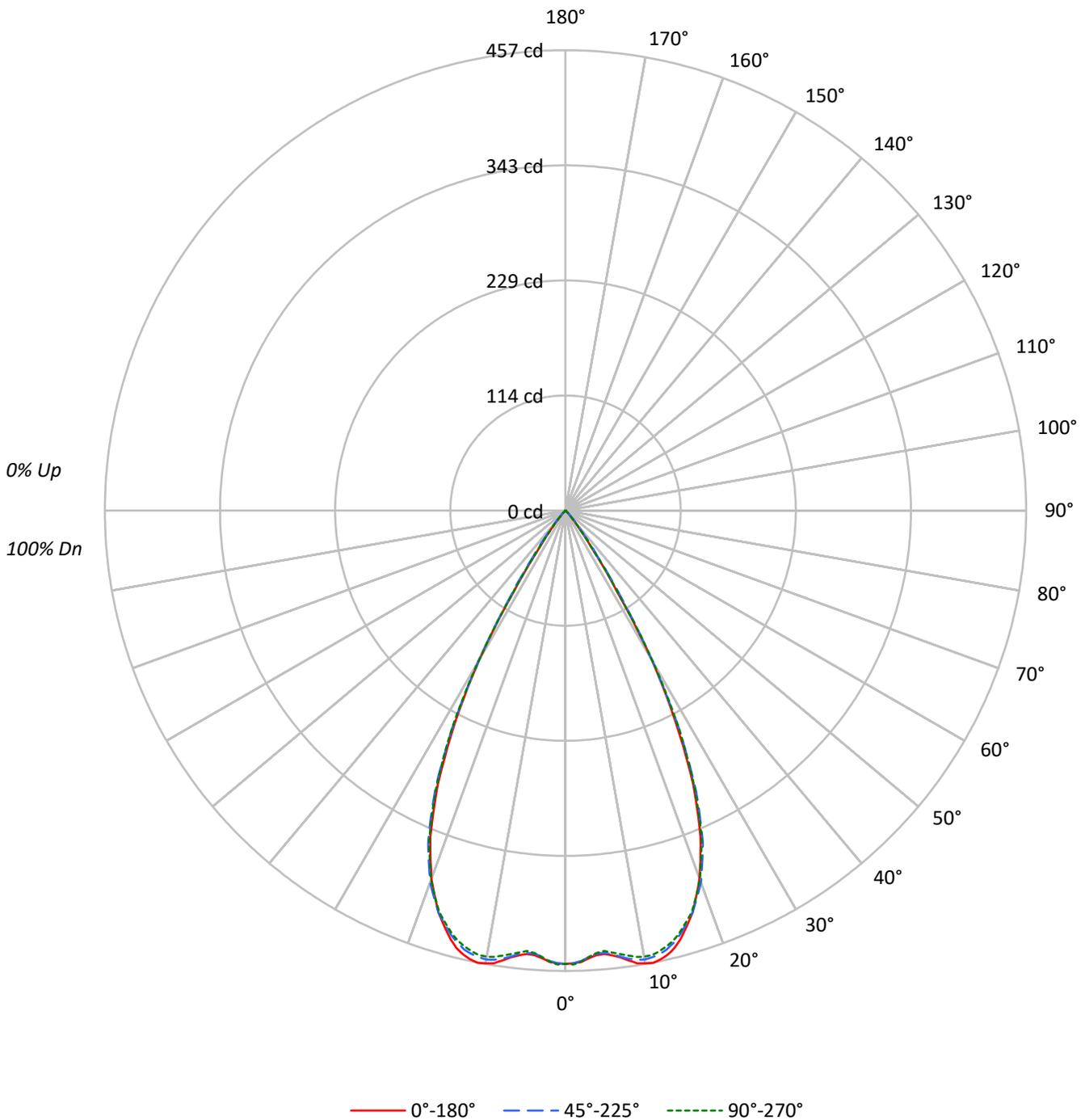
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 345.0 lumens
Efficiency: N/A
Efficacy: 95.8 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): 3.6
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	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	85	85	85	85	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°	77483	77483	77483
5°	76379	76240	75877
10°	79815	79133	78626
15°	78576	77881	77542
20°	71258	71972	71441
25°	56970	58167	57616
30°	34165	34165	34583
35°	9882	11690	10197
40°	2833	3844	2833
45°	633	1461	633
50°	268	482	214
55°	240	240	240
60°	276	276	276
65°	204	204	204
70°	252	252	252
75°	200	200	200
80°	298	298	298
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°	42.7	12.4
10°-20°	121.6	35.2
20°-30°	133.9	38.8
30°-40°	41.0	11.9
40°-50°	4.0	1.2
50°-60°	0.8	0.2
60°-70°	0.6	0.2
70°-80°	0.4	0.1
80°-90°	0.1	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°	298.2	86.4
0°-40°	339.2	98.3
0°-60°	344.0	99.7
0°-90°	345.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	345.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	450	450	450	450	450	
5°	442	442	441	440	439	43
15°	441	440	437	435	435	122
25°	300	303	306	309	303	132
35°	47	49	56	51	48	39
45°	3	4	6	4	3	3
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
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°	449.9	449.9	449.9	449.9	449.9
1°	449.4	449.6	449.4	448.8	450.7
2°	448.3	448.1	447.3	447.0	447.8
3°	444.9	444.9	443.9	443.3	443.6
4°	442.3	442.3	440.7	440.2	440.4
5°	441.8	441.8	441.0	439.7	438.9
6°	443.9	444.4	442.5	441.2	441.2
7°	447.0	447.3	446.0	444.1	443.6
8°	450.9	451.2	449.1	447.0	446.0
9°	454.9	454.3	451.5	449.4	448.6
10°	456.4	456.2	452.5	450.4	449.6
11°	457.2	455.9	451.7	449.9	449.6
12°	455.4	454.3	449.9	448.1	447.3
13°	452.2	450.7	447.0	445.2	444.1
14°	447.3	445.7	442.3	440.2	440.4
15°	440.7	439.9	436.8	434.9	434.9
17.5°	418.9	419.5	418.7	417.9	417.4
20°	388.8	390.9	392.7	391.7	389.8
22.5°	350.2	353.9	356.0	356.5	353.1
25°	299.8	302.7	306.1	309.0	303.2
27.5°	237.1	239.8	242.9	244.7	244.0
30°	171.8	172.1	171.8	175.2	173.9
32.5°	95.5	103.4	104.7	107.0	98.6
35°	47.0	49.3	55.6	51.2	48.5
37.5°	22.6	24.1	30.2	24.7	23.6
40°	12.6	13.6	17.1	14.2	12.6
42.5°	6.0	7.9	9.2	8.1	6.0
45°	2.6	3.9	6.0	3.9	2.6
47.5°	1.0	1.6	3.7	1.6	1.0
50°	1.0	0.8	1.8	0.8	0.8
52.5°	0.8	0.8	1.0	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	0.8
60°	0.8	0.8	0.8	0.8	0.8
62.5°	0.5	0.8	0.8	0.8	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.3	0.5	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.3	0.3	0.3	0.3
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)