

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: P1312149

Luminaire Tested: LDSQA3D02R559050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312149
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: LDSQA3D02R559050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

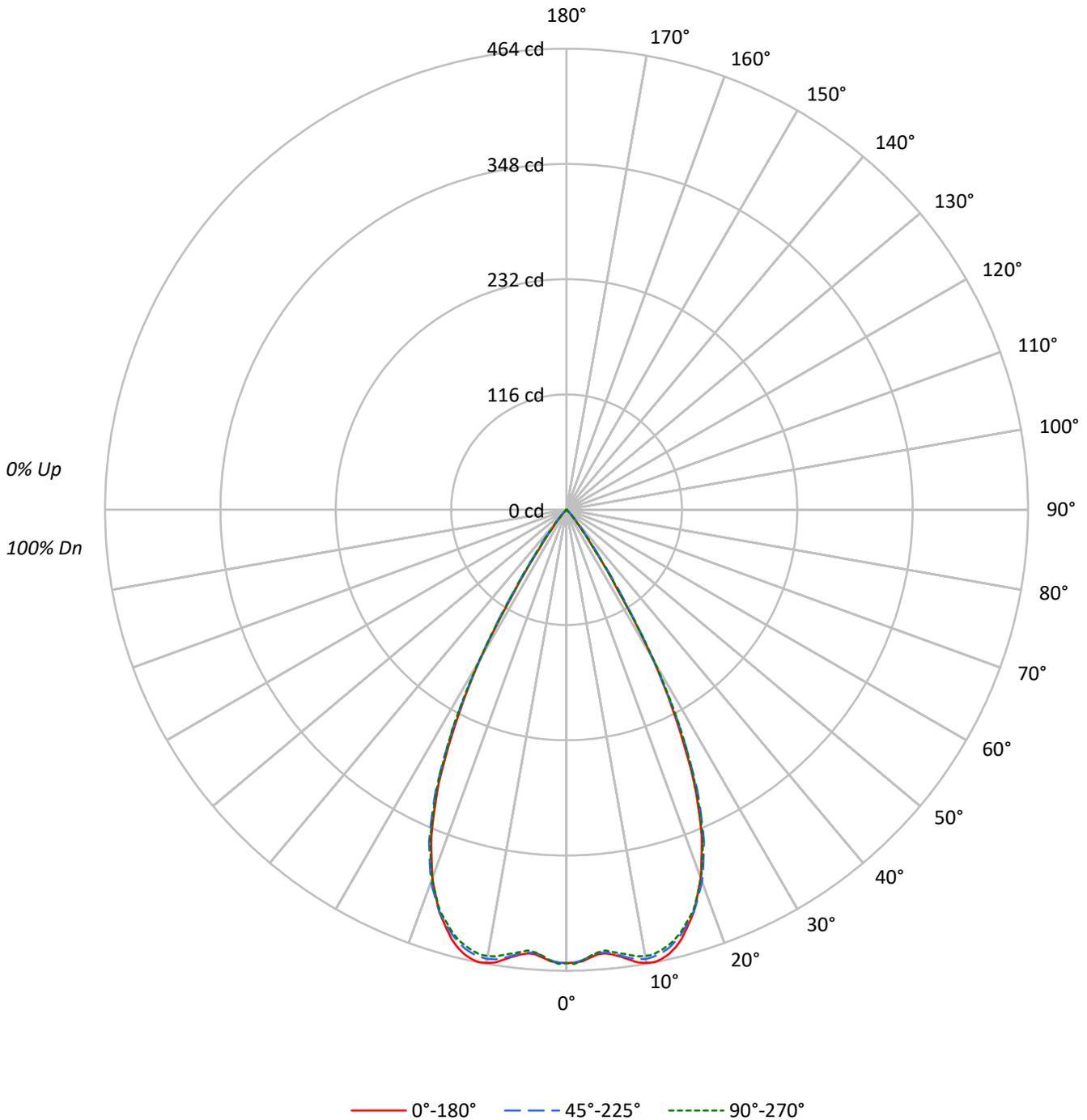
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 350.0 lumens
Efficiency: N/A
Efficacy: 97.2 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°	78602	78602	78602
5°	77485	77347	76966
10°	80987	80287	79763
15°	79717	79004	78665
20°	72284	73017	72485
25°	57806	59022	58452
30°	34662	34662	35080
35°	10008	11858	10344
40°	2878	3889	2878
45°	658	1486	658
50°	295	509	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: 1486 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.3	12.4
10°-20°	123.3	35.2
20°-30°	135.9	38.8
30°-40°	41.6	11.9
40°-50°	4.1	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°	302.5	86.4
0°-40°	344.1	98.3
0°-60°	349.0	99.7
0°-90°	350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	350.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	456	456	456	456	456	
5°	448	448	447	446	445	43
15°	447	446	443	441	441	124
25°	304	307	311	314	308	134
35°	48	50	56	52	49	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°	456.4	456.4	456.4	456.4	456.4
1°	455.9	456.1	455.9	455.3	457.2
2°	454.8	454.5	453.7	453.5	454.3
3°	451.4	451.4	450.3	449.8	450.0
4°	448.7	448.7	447.1	446.6	446.8
5°	448.2	448.2	447.4	446.0	445.2
6°	450.3	450.8	449.0	447.6	447.6
7°	453.5	453.7	452.4	450.6	450.0
8°	457.5	457.7	455.6	453.5	452.4
9°	461.5	460.9	458.0	455.9	455.1
10°	463.1	462.8	459.1	456.9	456.1
11°	463.9	462.5	458.3	456.4	456.1
12°	462.0	460.9	456.4	454.5	453.7
13°	458.8	457.2	453.5	451.6	450.6
14°	453.7	452.2	448.7	446.6	446.8
15°	447.1	446.3	443.1	441.2	441.2
17.5°	425.0	425.5	424.7	423.9	423.4
20°	394.4	396.5	398.4	397.3	395.5
22.5°	355.3	359.0	361.1	361.7	358.2
25°	304.2	307.1	310.6	313.5	307.6
27.5°	240.6	243.2	246.4	248.3	247.5
30°	174.3	174.6	174.3	177.8	176.4
32.5°	96.9	104.9	106.2	108.6	100.1
35°	47.6	50.0	56.4	51.9	49.2
37.5°	22.9	24.5	30.6	25.0	24.0
40°	12.8	13.8	17.3	14.4	12.8
42.5°	6.1	8.0	9.3	8.2	6.1
45°	2.7	4.0	6.1	4.0	2.7
47.5°	1.1	1.6	3.7	1.6	1.1
50°	1.1	0.8	1.9	0.8	0.8
52.5°	0.8	0.8	1.1	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)