

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: P1307696

Luminaire Tested: LDSQA3D02R559027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307696
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: LDSQA3D02R559027DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

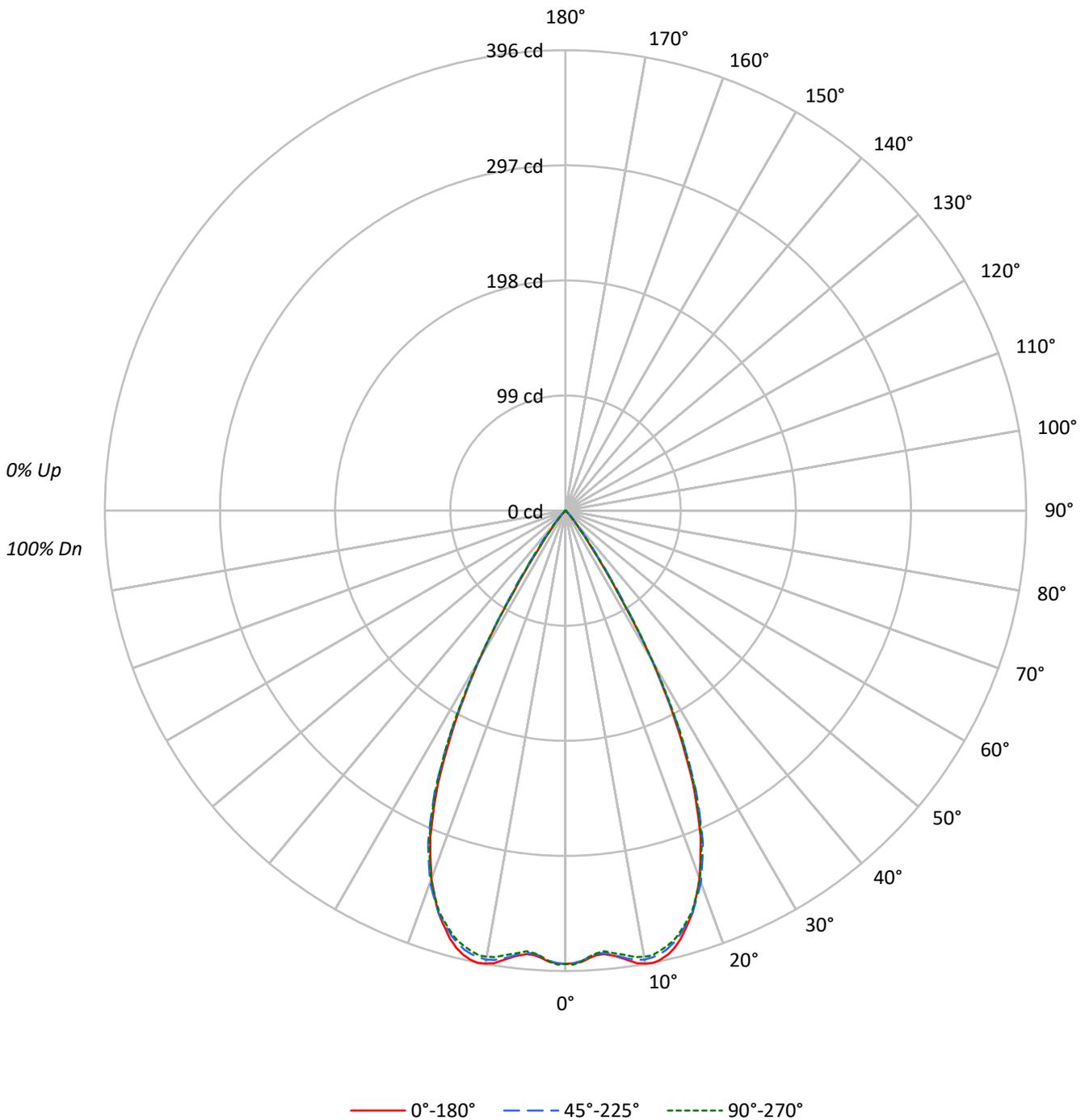
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 299.0 lumens
Efficiency: N/A
Efficacy: 83.1 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	86	86	86	86	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°	67150	67150	67150
5°	66196	66075	65764
10°	69182	68588	68151
15°	68092	67486	67201
20°	61746	62369	61910
25°	49388	50414	49939
30°	29611	29611	29969
35°	8557	10134	8851
40°	2451	3327	2451
45°	560	1267	560
50°	241	429	188
55°	210	210	210
60°	241	241	241
65°	204	204	204
70°	252	252	252
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1267 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.0	12.4
10°-20°	105.4	35.2
20°-30°	116.1	38.8
30°-40°	35.5	11.9
40°-50°	3.5	1.2
50°-60°	0.7	0.2
60°-70°	0.6	0.2
70°-80°	0.3	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°	258.4	86.4
0°-40°	293.9	98.3
0°-60°	298.1	99.7
0°-90°	299.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	299.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	390	390	390	390	390	
5°	383	383	382	381	380	37
15°	382	381	378	377	377	106
25°	260	262	265	268	263	114
35°	41	43	48	44	42	33
45°	2	3	5	3	2	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°	389.9	389.9	389.9	389.9	389.9
1°	389.4	389.7	389.4	389.0	390.6
2°	388.5	388.3	387.6	387.4	388.1
3°	385.6	385.6	384.7	384.2	384.4
4°	383.3	383.3	381.9	381.5	381.7
5°	382.9	382.9	382.2	381.0	380.4
6°	384.7	385.1	383.5	382.4	382.4
7°	387.4	387.6	386.5	384.9	384.4
8°	390.8	391.0	389.2	387.4	386.5
9°	394.2	393.8	391.3	389.4	388.8
10°	395.6	395.4	392.2	390.4	389.7
11°	396.3	395.1	391.5	389.9	389.7
12°	394.7	393.8	389.9	388.3	387.6
13°	391.9	390.6	387.4	385.8	384.9
14°	387.6	386.3	383.3	381.5	381.7
15°	381.9	381.3	378.5	376.9	376.9
17.5°	363.1	363.5	362.8	362.2	361.7
20°	336.9	338.8	340.3	339.4	337.8
22.5°	303.5	306.7	308.5	309.0	306.0
25°	259.9	262.4	265.3	267.8	262.8
27.5°	205.5	207.8	210.5	212.1	211.4
30°	148.9	149.1	148.9	151.9	150.7
32.5°	82.8	89.6	90.7	92.8	85.5
35°	40.7	42.7	48.2	44.3	42.1
37.5°	19.6	20.9	26.1	21.4	20.5
40°	10.9	11.8	14.8	12.3	10.9
42.5°	5.2	6.8	8.0	7.0	5.2
45°	2.3	3.4	5.2	3.4	2.3
47.5°	0.9	1.4	3.2	1.4	0.9
50°	0.9	0.7	1.6	0.7	0.7
52.5°	0.7	0.7	0.9	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.5	0.7	0.7	0.7	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°	0.2	0.5	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2
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)