

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: P1308795

Luminaire Tested: LDSQA3D02R459030DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308795
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R459030DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

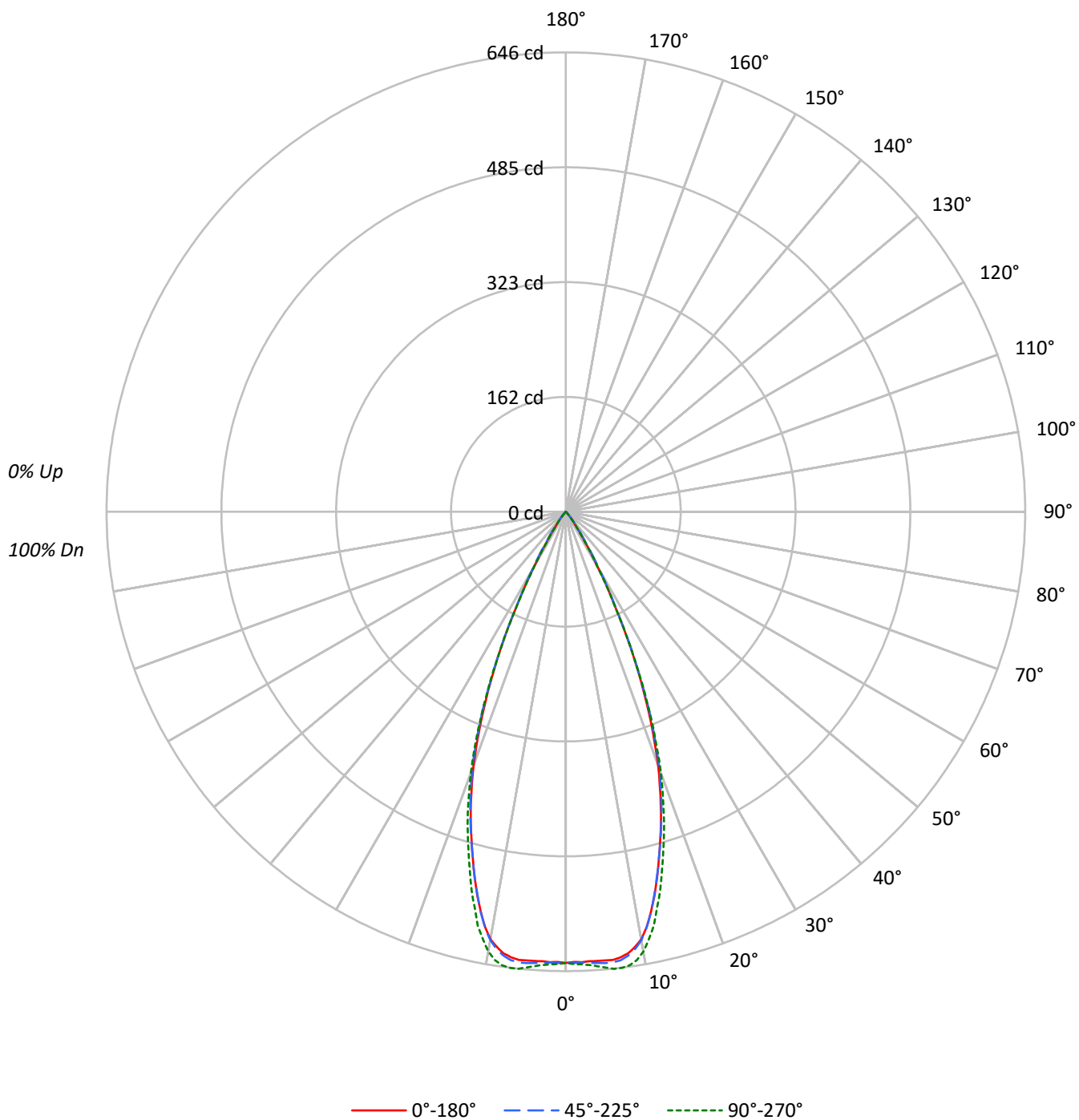
Lumens per Lamp: N/A
Luminaire Lumens: 328.0 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95		
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91		
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87		
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83		
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	79		
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75		
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72		
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69		
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66		
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	64		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	109258	109258	109258
5°	109503	110142	111231
10°	106764	106974	109789
15°	90076	90112	93072
20°	69535	70506	71679
25°	43136	43174	43459
30°	17798	18912	17500
35°	5529	6770	5340
40°	1709	2361	1596
45°	122	901	122
50°	0	134	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: 901 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.4	18.4
10°-20°	140.4	42.8
20°-30°	103.0	31.4
30°-40°	22.1	6.7
40°-50°	2.1	0.6
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°	303.7	92.6
0°-40°	325.9	99.4
0°-60°	328.0	100.0
0°-90°	328.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	328.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	634	634	634	634	634	
5°	633	635	637	642	643	60
15°	505	504	505	514	522	139
25°	227	226	227	227	229	102
35°	26	28	32	28	25	21
45°	0	2	4	2	0	1
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	634.4	634.4	634.4	634.4	634.4
1°	633.2	634.7	634.7	635.6	636.1
2°	633.7	634.7	634.4	636.1	636.8
3°	632.9	634.7	635.1	637.1	638.3
4°	633.2	634.7	636.1	639.0	640.7
5°	633.4	635.1	637.1	641.5	643.4
6°	633.7	634.9	637.1	642.7	646.4
7°	631.2	632.9	635.4	642.5	646.4
8°	627.3	628.3	630.3	639.5	644.2
9°	620.0	619.8	622.7	632.9	638.3
10°	610.5	607.6	611.7	622.0	627.8
11°	595.2	592.0	595.6	606.6	612.2
12°	575.2	575.2	575.9	585.6	595.4
13°	553.9	551.5	553.0	563.9	570.8
14°	530.5	528.1	529.6	537.9	548.6
15°	505.2	504.2	505.4	513.5	522.0
17.5°	445.0	442.8	447.2	455.2	459.6
20°	379.4	383.0	384.7	389.9	391.1
22.5°	304.0	307.9	310.4	311.1	311.8
25°	227.0	226.3	227.2	227.2	228.7
27.5°	149.2	149.2	151.9	150.2	148.5
30°	89.5	93.1	95.1	91.9	88.0
32.5°	48.8	52.4	55.6	51.0	47.5
35°	26.3	28.3	32.2	27.6	25.4
37.5°	14.4	16.1	18.5	15.6	14.4
40°	7.6	9.3	10.5	9.3	7.1
42.5°	2.4	4.6	6.1	4.6	2.2
45°	0.5	1.5	3.7	1.5	0.5
47.5°	0.0	0.2	1.7	0.2	0.0
50°	0.0	0.0	0.5	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)