

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: P1315170

Luminaire Tested: LDSQA3D02R459735DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315170
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: LDSQA3D02R459735DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

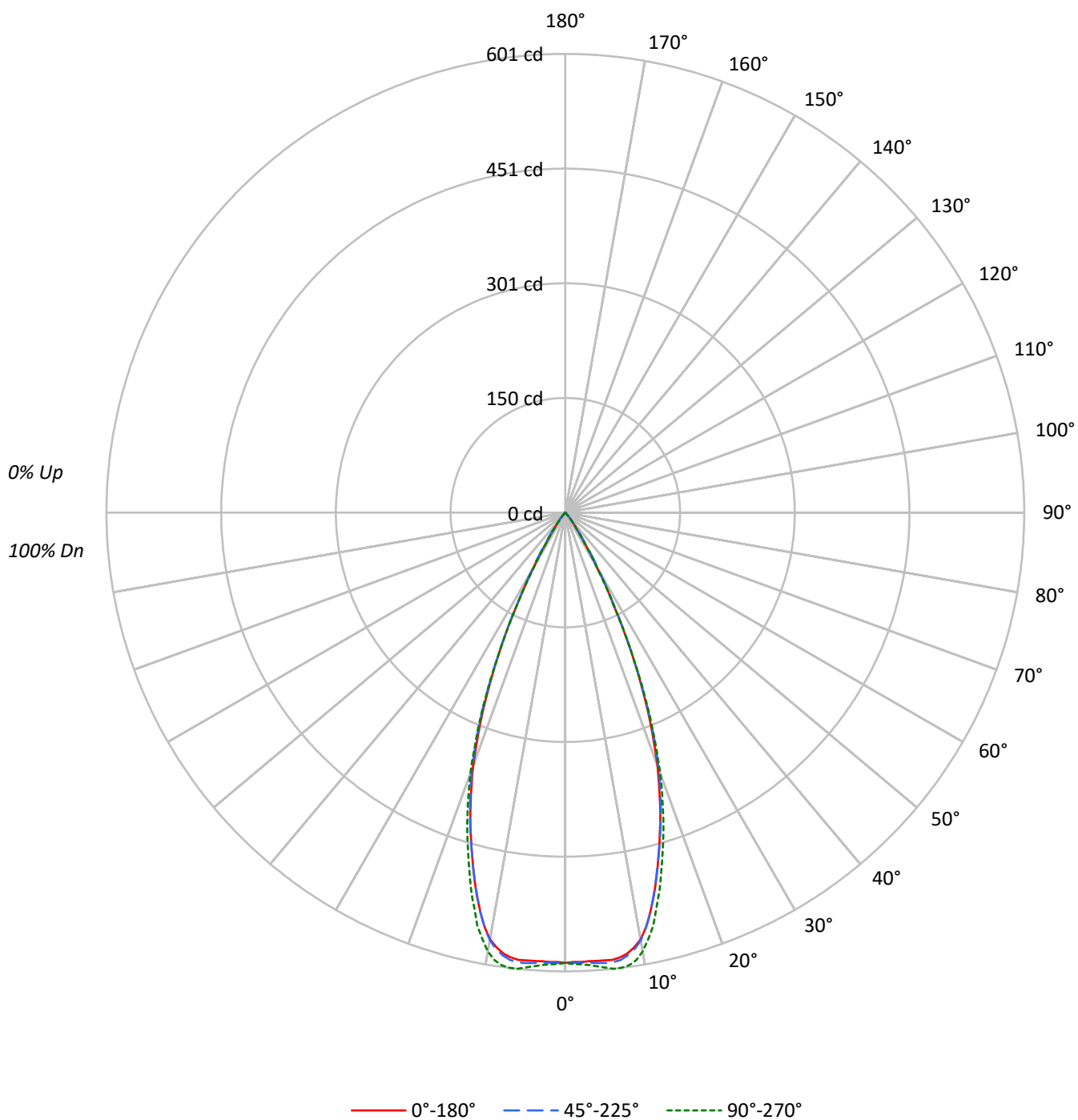
Lumens per Lamp: N/A
Luminaire Lumens: 305.0 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	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	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°	101594	101594	101594
5°	101827	102414	103434
10°	99279	99471	102095
15°	83764	83800	86546
20°	64660	65576	66657
25°	40115	40153	40419
30°	16546	17580	16267
35°	5151	6286	4962
40°	1574	2181	1484
45°	122	828	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: 828 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.1	18.4
10°-20°	130.5	42.8
20°-30°	95.8	31.4
30°-40°	20.6	6.7
40°-50°	2.0	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°	282.5	92.6
0°-40°	303.0	99.4
0°-60°	305.0	100.0
0°-90°	305.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	305.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	590	590	590	590	590	
5°	589	591	592	596	598	56
15°	470	469	470	478	485	129
25°	211	210	211	211	213	95
35°	24	26	30	26	24	19
45°	0	1	3	1	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°	589.9	589.9	589.9	589.9	589.9
1°	588.8	590.1	590.1	591.1	591.5
2°	589.2	590.1	589.9	591.5	592.2
3°	588.6	590.1	590.6	592.4	593.6
4°	588.8	590.1	591.5	594.2	595.8
5°	589.0	590.6	592.4	596.5	598.3
6°	589.2	590.4	592.4	597.6	601.0
7°	587.0	588.6	590.8	597.4	601.0
8°	583.3	584.3	586.1	594.7	599.0
9°	576.5	576.3	579.0	588.6	593.6
10°	567.7	565.0	568.8	578.4	583.8
11°	553.4	550.5	553.9	564.1	569.3
12°	534.8	534.8	535.5	544.6	553.6
13°	515.1	512.8	514.2	524.4	530.7
14°	493.3	491.1	492.4	500.1	510.1
15°	469.8	468.9	470.0	477.5	485.4
17.5°	413.8	411.7	415.8	423.3	427.4
20°	352.8	356.2	357.8	362.5	363.7
22.5°	282.7	286.3	288.6	289.3	290.0
25°	211.1	210.4	211.3	211.3	212.7
27.5°	138.8	138.8	141.2	139.7	138.1
30°	83.2	86.6	88.4	85.5	81.8
32.5°	45.3	48.7	51.7	47.4	44.2
35°	24.5	26.3	29.9	25.6	23.6
37.5°	13.4	15.0	17.2	14.5	13.4
40°	7.0	8.6	9.7	8.6	6.6
42.5°	2.3	4.3	5.7	4.3	2.0
45°	0.5	1.4	3.4	1.4	0.5
47.5°	0.0	0.2	1.6	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)