

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: P1315378

Luminaire Tested: LDSQA3D05R709735DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315378
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R709735DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

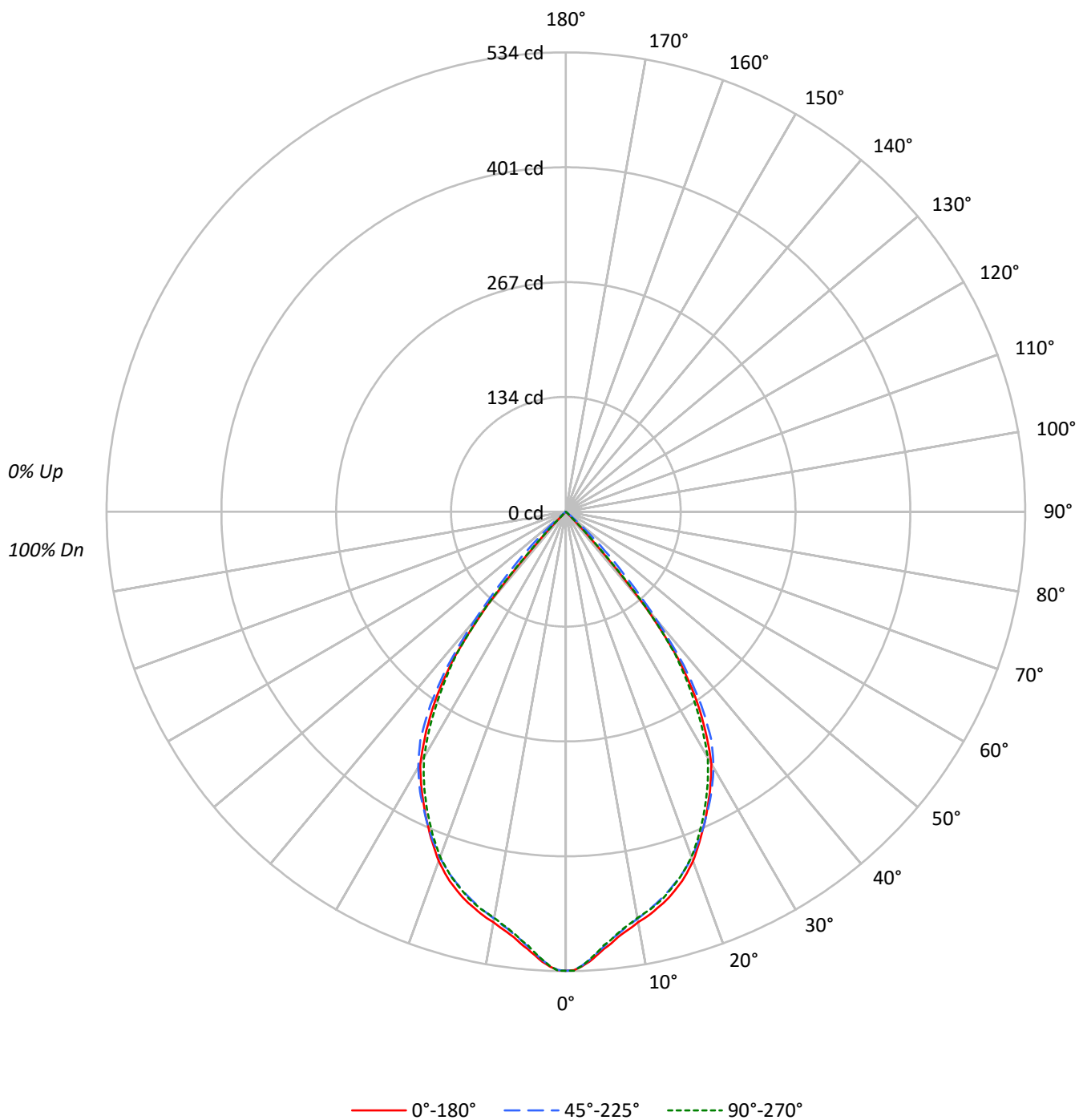
Lumens per Lamp: N/A
Luminaire Lumens: 552.0 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	91898	91898	91898
5°	88204	87720	87478
10°	84729	83995	83837
15°	82730	81571	81732
20°	79230	78460	78277
25°	73540	73711	72552
30°	67296	68231	65626
35°	55063	57712	52898
40°	31700	36938	32532
45°	463	15344	1583
50°	0	1634	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: 15344 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.6	8.6
10°-20°	129.0	23.4
20°-30°	177.2	32.1
30°-40°	160.7	29.1
40°-50°	37.3	6.8
50°-60°	0.2	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°	353.8	64.1
0°-40°	514.5	93.2
0°-60°	552.0	100.0
0°-90°	552.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	552.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	534	534	534	534	534	
5°	510	509	507	506	506	48
15°	464	461	458	458	458	130
25°	387	389	388	384	382	178
35°	262	266	274	263	252	157
45°	2	21	63	27	6	23
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°	533.6	533.6	533.6	533.6	533.6
1°	533.1	532.2	532.6	533.1	533.6
2°	528.9	528.0	528.0	528.4	528.4
3°	523.8	521.9	521.9	521.4	521.4
4°	516.8	515.4	514.4	513.9	513.9
5°	510.2	508.8	507.4	506.5	506.0
6°	504.6	502.3	500.4	499.9	500.4
7°	498.1	496.7	494.8	493.4	493.9
8°	493.4	491.5	489.2	488.3	488.3
9°	489.2	487.3	485.0	483.1	484.1
10°	484.5	482.7	480.3	478.9	479.4
11°	481.3	478.9	476.1	475.2	475.7
12°	477.5	474.7	471.9	471.5	472.4
13°	472.9	470.1	467.3	467.3	468.2
14°	468.7	465.4	462.6	462.6	464.0
15°	464.0	460.7	457.5	457.5	458.4
17.5°	450.0	447.2	443.9	443.9	444.4
20°	432.3	430.9	428.1	426.7	427.1
22.5°	409.9	409.9	408.5	406.1	405.2
25°	387.0	388.8	387.9	384.2	381.8
27.5°	363.2	366.4	366.9	361.3	357.1
30°	338.4	341.2	343.1	336.6	330.0
32.5°	302.0	310.4	315.1	306.2	292.7
35°	261.9	265.6	274.5	262.8	251.6
37.5°	212.9	217.5	225.0	215.7	209.1
40°	141.0	159.6	164.3	159.6	144.7
42.5°	50.9	89.6	107.8	91.5	59.8
45°	1.9	21.0	63.0	27.1	6.5
47.5°	0.0	0.5	28.5	0.9	0.0
50°	0.0	0.0	6.1	0.0	0.0
52.5°	0.0	0.0	0.5	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)