

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: P1313404

Luminaire Tested: LDSQA3D05R509727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313404
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R509727DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

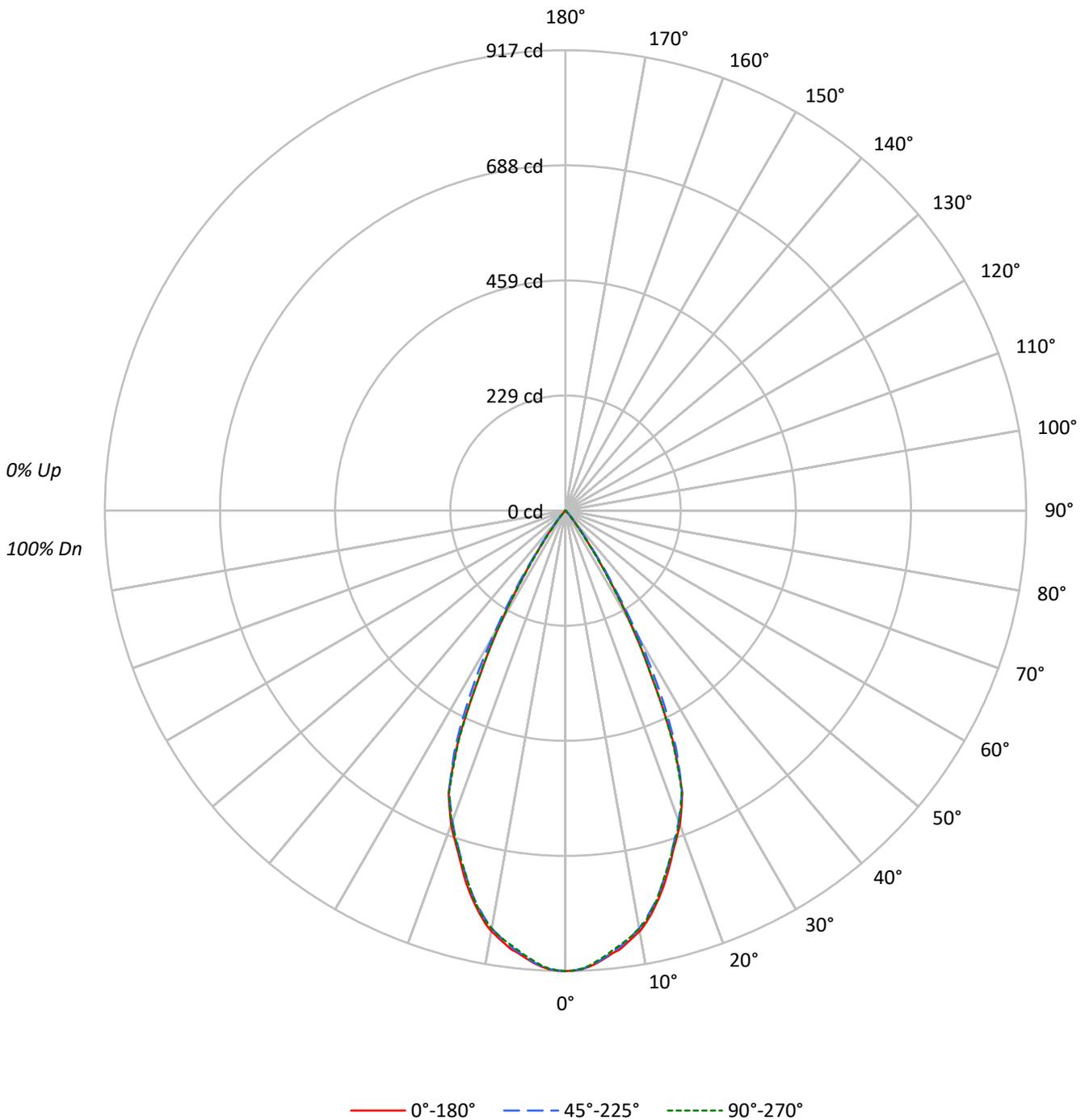
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 591.0 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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 (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	112	109	107	112	109	107	106	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	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	80	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	157945	157945	157945
5°	154849	154555	154123
10°	148787	147756	147826
15°	136576	135310	135168
20°	122025	120705	121328
25°	95906	98700	95108
30°	51307	57472	51466
35°	16757	19574	15789
40°	4159	5193	3957
45°	511	1851	511
50°	348	563	348
55°	390	390	390
60°	276	276	276
65°	326	326	326
70°	201	201	201
75°	266	266	266
80°	397	397	397
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1851 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.9	14.2
10°-20°	212.1	35.9
20°-30°	223.1	37.7
30°-40°	64.3	10.9
40°-50°	5.2	0.9
50°-60°	1.2	0.2
60°-70°	0.8	0.1
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°	519.0	87.8
0°-40°	583.3	98.7
0°-60°	589.7	99.8
0°-90°	591.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	591.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	917	917	917	917	917	
5°	896	895	894	895	892	84
15°	766	761	759	759	758	213
25°	505	517	519	514	500	219
35°	80	83	93	80	75	62
45°	2	4	8	4	2	4
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	917.1	917.1	917.1	917.1	917.1
1°	916.7	917.5	915.8	918.7	916.2
2°	914.6	915.0	914.1	916.2	912.9
3°	909.5	910.4	908.7	910.4	907.4
4°	903.6	903.6	902.0	903.2	899.5
5°	895.7	895.3	894.0	894.8	891.5
6°	887.3	886.9	884.8	884.8	882.2
7°	881.0	878.1	876.4	876.0	873.4
8°	870.9	870.1	866.7	866.7	865.0
9°	860.9	860.0	856.2	857.1	855.8
10°	850.8	847.8	844.9	845.3	845.3
11°	837.4	834.8	830.6	832.3	833.2
12°	821.4	818.5	814.7	818.1	817.6
13°	803.8	801.3	798.3	800.9	800.0
14°	785.3	781.6	779.0	780.7	779.9
15°	766.0	761.0	758.9	758.9	758.1
17.5°	711.9	709.0	706.9	705.6	708.6
20°	665.8	663.3	658.6	659.9	662.0
22.5°	607.9	607.5	604.9	602.8	605.4
25°	504.7	517.3	519.4	513.5	500.5
27.5°	366.7	396.0	406.5	392.7	368.8
30°	258.0	271.8	289.0	261.8	258.8
32.5°	155.6	159.4	175.4	156.5	152.3
35°	79.7	82.6	93.1	79.7	75.1
37.5°	37.3	39.0	43.2	37.3	34.8
40°	18.5	20.6	23.1	19.3	17.6
42.5°	8.0	10.5	13.4	10.1	7.1
45°	2.1	4.2	7.6	4.2	2.1
47.5°	1.3	1.7	4.2	1.7	1.3
50°	1.3	1.3	2.1	1.3	1.3
52.5°	1.3	1.3	1.3	1.3	1.3
55°	1.3	1.3	1.3	1.3	1.3
57.5°	1.3	1.3	1.3	1.3	1.3
60°	0.8	1.3	0.8	1.3	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.4	0.0	0.4	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)