

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: P1314603

Luminaire Tested: LDSQA3D13R159730DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R159730DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

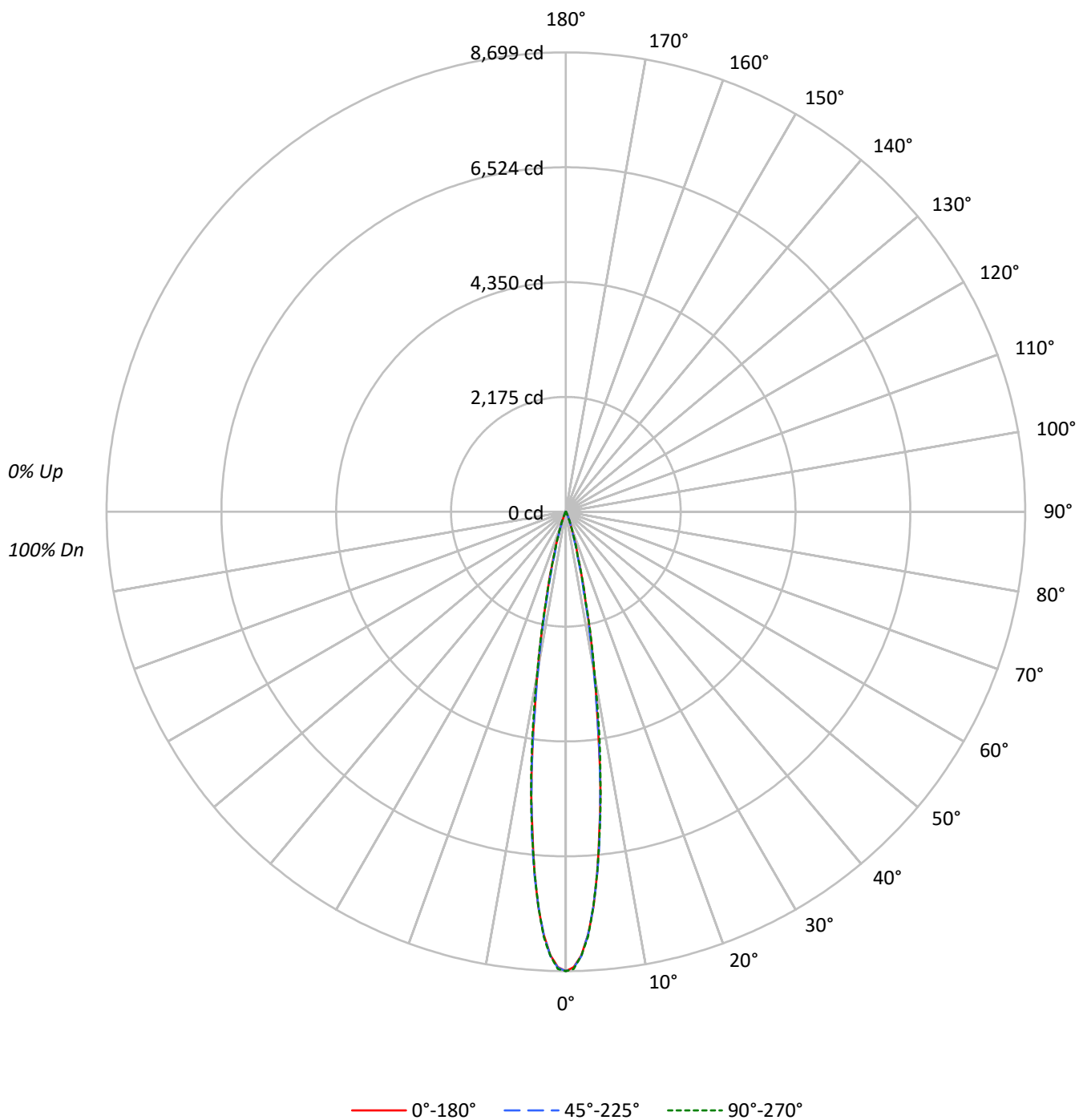
Lumens per Lamp: N/A
Luminaire Lumens: 871.0 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	106		104	104	103		101
2	113	110	107	105	111	108	106	104	105	104	102		102	101	100		100
3	110	107	104	101	109	105	103	100	103	101	99		101	99	97		99
4	108	104	100	98	106	103	100	98	101	98	96		99	97	95		97
5	106	101	98	95	104	100	97	95	99	96	94		97	95	94		96
6	104	99	96	93	103	98	95	93	97	94	92		96	94	92		95
7	102	97	94	91	101	96	93	91	95	93	91		94	92	90		94
8	100	95	92	90	99	95	92	90	94	91	89		93	91	89		92
9	98	93	90	88	98	93	90	88	92	90	88		92	89	88		91
10	97	92	89	87	96	92	89	87	91	88	87		90	88	86		90

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1498096	1498096	1498096
5°	1181707	1184871	1180653
10°	540640	526475	552059
15°	160753	143512	157491
20°	47743	46295	50126
25°	13568	17539	15734
30°	4852	5190	4673
35°	1829	1640	1640
40°	787	382	585
45°	414	219	414
50°	241	0	241
55°	270	0	270
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: 0°

Vertical Angle: 47.5°

Luminance: 433 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	525.6	60.3
10°-20°	291.8	33.5
20°-30°	46.4	5.3
30°-40°	6.1	0.7
40°-50°	0.9	0.1
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°	863.8	99.2
0°-40°	869.9	99.9
0°-60°	871.0	100.0
0°-90°	871.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	871.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8699	8699	8699	8699	8699	
5°	6835	6893	6854	6825	6829	524
15°	902	890	805	855	883	297
25°	71	80	92	92	83	44
35°	9	9	8	9	8	6
45°	2	1	1	1	2	2
55°	1	0	0	0	1	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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8698.6	8698.6	8698.6	8698.6	8698.6	8698.6	8698.6	8698.6	8698.6	8698.6	8698.6
1°	8623.7	8633.3	8645.5	8634.2	8623.7	8633.3	8620.2	8622.0	8611.5	8634.2	8659.4
2°	8404.2	8416.4	8409.4	8393.8	8418.2	8419.9	8392.9	8379.8	8378.1	8400.7	8409.4
3°	8015.7	8043.6	8044.5	8039.2	8031.4	8015.7	7987.8	8006.1	7980.9	7965.2	8054.0
4°	7499.2	7523.6	7552.3	7533.1	7475.6	7480.9	7499.2	7437.3	7440.8	7476.5	7479.1
5°	6835.4	6909.4	6912.9	6885.9	6840.6	6853.7	6840.6	6823.2	6829.3	6851.9	6829.3
6°	6054.0	6137.7	6075.8	6135.0	6122.0	6138.5	6142.9	6124.6	6137.7	6123.7	6119.4
7°	5378.9	5315.4	5324.1	5299.7	5325.8	5343.2	5353.7	5322.3	5347.6	5387.7	5399.0
8°	4541.8	4523.5	4505.2	4548.8	4536.6	4557.5	4570.6	4605.4	4603.7	4615.9	4655.9
9°	3744.8	3771.8	3788.3	3750.0	3783.1	3718.7	3741.3	3834.5	3810.1	3834.5	3905.9
10°	3091.5	3113.3	3088.9	3088.0	3053.1	3010.5	3007.9	3042.7	3115.9	3173.4	3156.8
12.5°	1705.6	1724.7	1727.4	1725.6	1662.9	1592.3	1605.4	1633.3	1678.6	1697.7	1729.1
15°	901.6	900.7	910.3	883.3	850.2	804.9	808.4	846.7	880.7	889.4	883.3
17.5°	462.5	464.3	471.3	464.3	429.4	433.8	443.4	447.7	467.8	475.6	471.3
20°	260.5	261.3	260.5	263.1	249.1	252.6	264.8	265.7	270.0	274.4	273.5
22.5°	149.0	149.8	155.1	153.3	149.8	154.2	156.8	161.2	162.9	161.2	166.4
25°	71.4	72.3	72.3	82.8	88.0	92.3	94.1	92.3	90.6	83.6	82.8
27.5°	40.9	40.9	42.7	43.6	45.3	53.1	52.3	43.6	36.6	36.6	37.5
30°	24.4	23.5	23.5	24.4	25.3	26.1	24.4	23.5	23.5	24.4	23.5
32.5°	14.8	14.8	14.8	13.9	13.9	13.1	13.1	14.8	14.8	14.8	14.8
35°	8.7	8.7	8.7	8.7	7.8	7.8	7.8	8.7	8.7	7.8	7.8
37.5°	5.2	5.2	5.2	4.4	4.4	3.5	4.4	4.4	4.4	4.4	4.4
40°	3.5	3.5	2.6	2.6	1.7	1.7	1.7	2.6	2.6	2.6	2.6
42.5°	2.6	2.6	1.7	1.7	0.9	0.9	0.9	1.7	1.7	1.7	1.7
45°	1.7	1.7	1.7	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7
47.5°	1.7	1.7	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.9	0.9
50°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
52.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)