

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: P1312670

Luminaire Tested: LDSQA3D17R159050DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312670
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: LDSQA3D17R159050DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

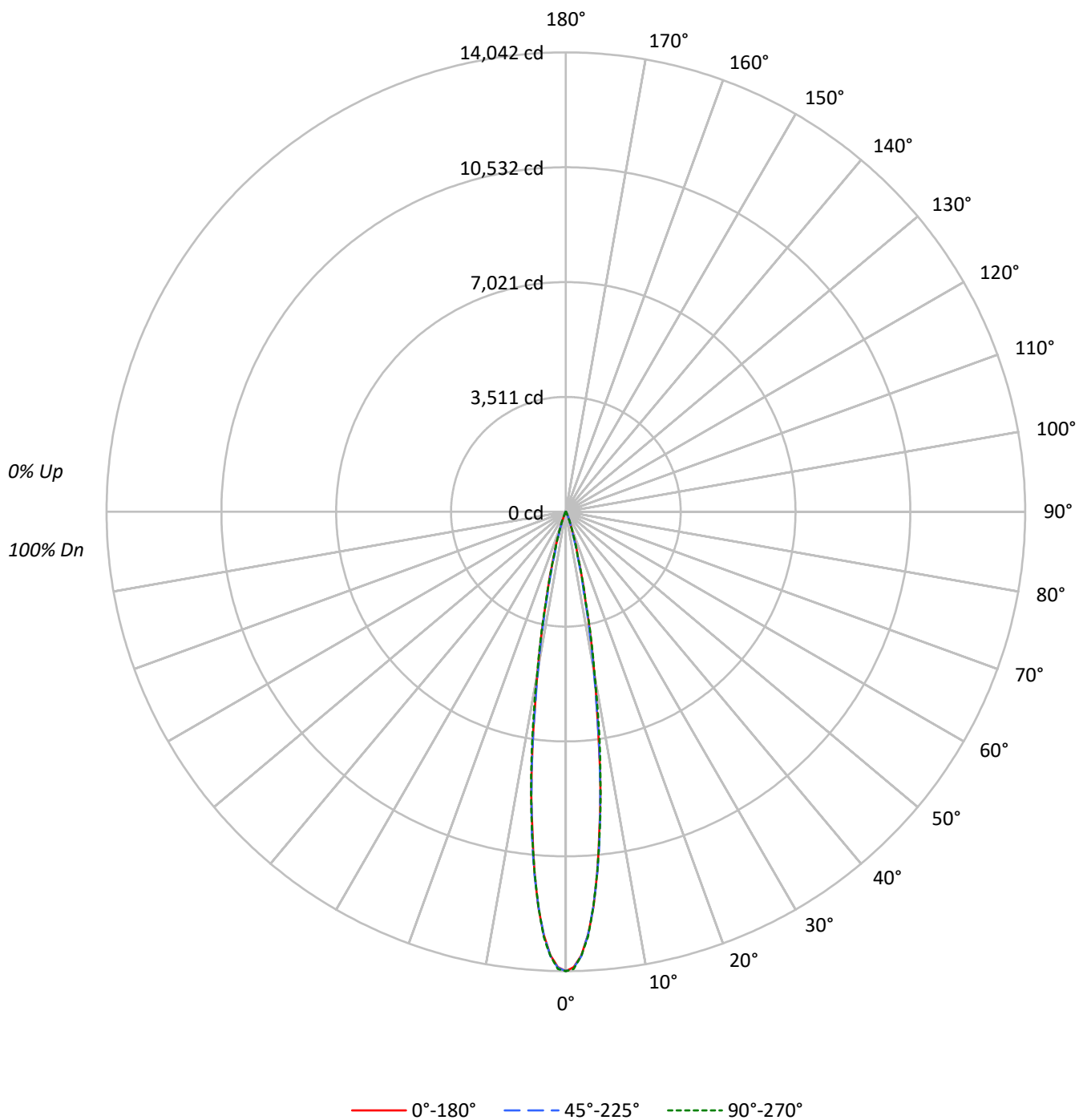
Lumens per Lamp: N/A
Luminaire Lumens: 1406.0 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2418299	2418299	2418299
5°	1907546	1912663	1905852
10°	872718	849844	891151
15°	259477	231663	254217
20°	77049	74740	80916
25°	21910	28333	25388
30°	7835	8392	7557
35°	2964	2670	2670
40°	1259	629	944
45°	682	341	682
50°	375	0	375
55°	420	0	420
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: 714 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	848.4	60.3
10°-20°	471.0	33.5
20°-30°	75.0	5.3
30°-40°	9.8	0.7
40°-50°	1.5	0.1
50°-60°	0.3	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°	1394.4	99.2
0°-40°	1404.2	99.9
0°-60°	1406.0	100.0
0°-90°	1406.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1406.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14042	14042	14042	14042	14042	
5°	11034	11126	11064	11017	11024	846
15°	1455	1437	1299	1380	1426	480
25°	115	129	149	148	134	70
35°	14	14	13	14	13	10
45°	3	2	1	1	3	3
55°	1	0	0	0	1	1
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°	14041.7	14041.7	14041.7	14041.7	14041.7	14041.7	14041.7	14041.7	14041.7	14041.7	14041.7
1°	13920.7	13936.2	13955.9	13937.6	13920.7	13936.2	13915.1	13917.9	13901.1	13937.6	13978.4
2°	13566.4	13586.1	13574.8	13549.5	13588.9	13591.7	13548.1	13527.0	13524.2	13560.8	13574.8
3°	12939.3	12984.3	12985.7	12977.2	12964.6	12939.3	12894.3	12923.8	12883.0	12857.7	13001.1
4°	12105.4	12144.8	12191.2	12160.3	12067.5	12075.9	12105.4	12005.6	12011.2	12068.9	12073.1
5°	11033.9	11153.5	11159.1	11115.5	11042.4	11063.5	11042.4	11014.3	11024.1	11060.7	11024.1
6°	9772.6	9907.6	9807.8	9903.4	9882.3	9909.0	9916.1	9886.5	9907.6	9885.1	9878.1
7°	8682.9	8580.2	8594.3	8554.9	8597.1	8625.2	8642.1	8591.5	8632.3	8696.9	8715.2
8°	7331.6	7302.1	7272.5	7342.8	7323.2	7356.9	7378.0	7434.2	7431.4	7451.1	7515.8
9°	6045.0	6088.6	6115.3	6053.4	6106.8	6002.8	6039.4	6189.8	6150.4	6189.8	6305.1
10°	4990.4	5025.5	4986.2	4984.7	4928.5	4859.6	4855.4	4911.6	5029.7	5122.6	5095.8
12.5°	2753.2	2784.1	2788.4	2785.6	2684.3	2570.4	2591.5	2636.5	2709.6	2740.6	2791.2
15°	1455.3	1453.9	1469.4	1425.8	1372.4	1299.3	1304.9	1366.8	1421.6	1435.7	1425.8
17.5°	746.7	749.5	760.7	749.5	693.2	700.3	715.7	722.8	755.1	767.7	760.7
20°	420.4	421.8	420.4	424.7	402.2	407.8	427.5	428.9	435.9	442.9	441.5
22.5°	240.4	241.9	250.3	247.5	241.9	248.9	253.1	260.1	262.9	260.1	268.6
25°	115.3	116.7	116.7	133.6	142.0	149.1	151.9	149.1	146.2	135.0	133.6
27.5°	66.1	66.1	68.9	70.3	73.1	85.8	84.4	70.3	59.1	59.1	60.5
30°	39.4	38.0	38.0	39.4	40.8	42.2	39.4	38.0	38.0	39.4	38.0
32.5°	23.9	23.9	23.9	22.5	22.5	21.1	21.1	23.9	23.9	23.9	23.9
35°	14.1	14.1	14.1	14.1	12.7	12.7	12.7	14.1	14.1	12.7	12.7
37.5°	8.4	8.4	8.4	7.0	7.0	5.6	7.0	7.0	7.0	7.0	7.0
40°	5.6	5.6	4.2	4.2	2.8	2.8	2.8	4.2	4.2	4.2	4.2
42.5°	4.2	4.2	2.8	2.8	1.4	1.4	1.4	2.8	2.8	2.8	2.8
45°	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8
47.5°	2.8	2.8	1.4	1.4	0.0	0.0	0.0	1.4	1.4	1.4	1.4
50°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
52.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
55°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
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	1.4	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)