

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: P1312667

Luminaire Tested: LDSQA3D17R159050DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312667
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R159050DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

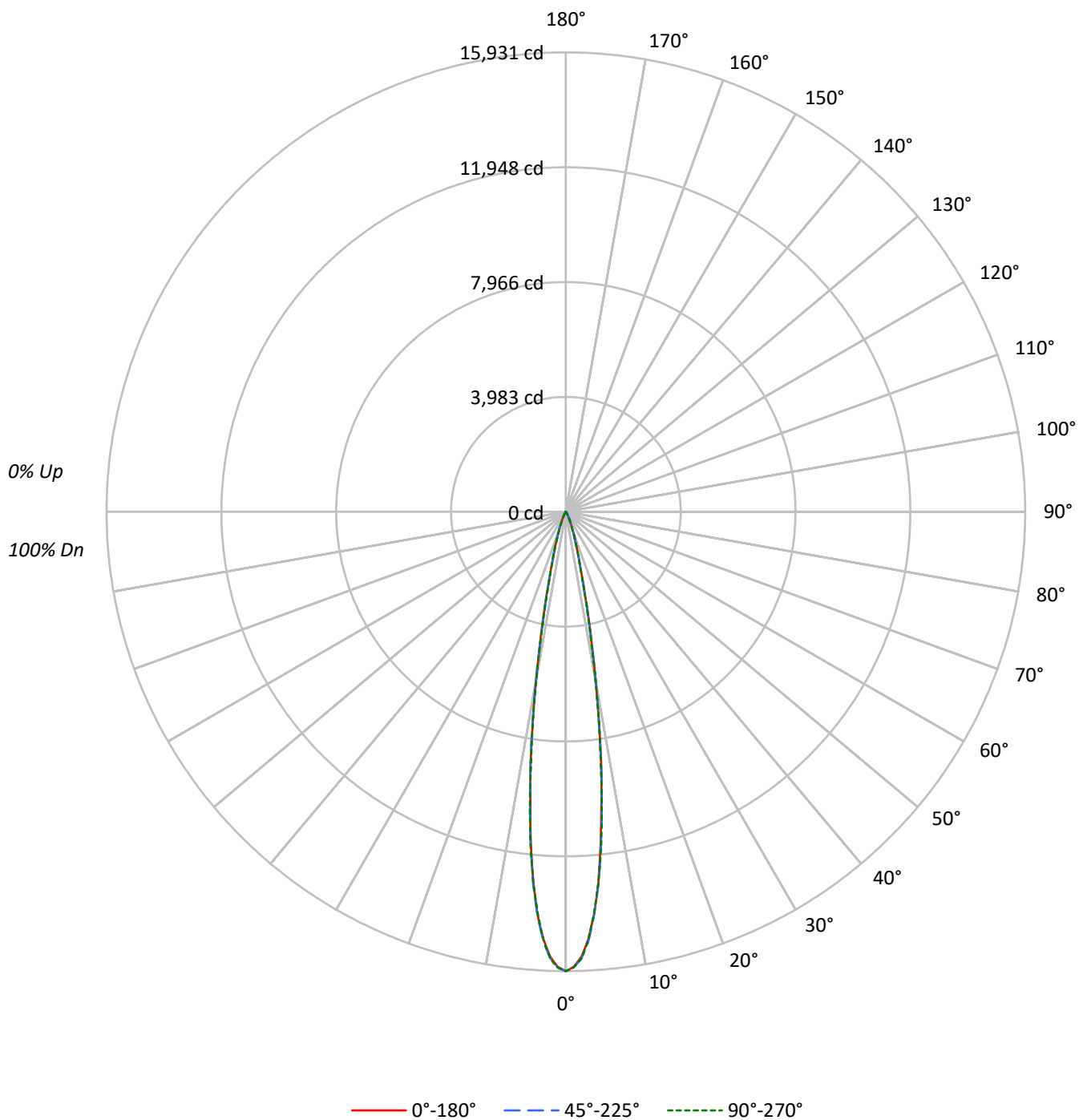
Lumens per Lamp: N/A
Luminaire Lumens: 1778.0 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	97	94	92	102	97	94	91	96	93	91		94	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	88		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		90
9	97	91	88	86	96	91	88	86	90	88	86		90	87	85		89
10	95	90	87	84	95	90	86	84	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2743644	2743644	2743644
5°	2233841	2241136	2236763
10°	1042037	1051375	1038102
15°	327230	329976	327979
20°	129649	134799	125525
25°	52371	63336	50509
30°	20980	28816	19847
35°	6202	12720	5908
40°	1888	4744	1574
45°	341	1023	341
50°	0	375	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: 1023 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	997.4	56.1
10°-20°	596.5	33.6
20°-30°	150.4	8.5
30°-40°	30.7	1.7
40°-50°	2.8	0.2
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°	1744.4	98.1
0°-40°	1775.1	99.8
0°-60°	1778.0	100.0
0°-90°	1778.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1778.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15931	15931	15931	15931	15931	
5°	12921	12897	12964	12931	12938	994
15°	1835	1851	1851	1824	1840	597
25°	276	301	333	295	266	142
35°	30	39	60	38	28	24
45°	1	3	4	3	1	2
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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	15930.8	15930.8	15930.8	15930.8	15930.8
1°	15787.4	15840.8	15812.7	15835.2	15809.9
2°	15445.6	15517.4	15494.9	15487.8	15507.5
3°	14843.7	14926.7	14923.9	14902.8	14869.0
4°	14022.4	13988.7	14040.7	14035.1	13977.4
5°	12921.3	12897.4	12963.5	12931.1	12938.2
6°	11574.0	11678.1	11655.6	11658.4	11685.1
7°	10126.9	10183.2	10231.0	10270.4	10215.5
8°	8798.0	8783.9	8788.1	8833.1	8681.2
9°	7310.1	7397.3	7341.0	7251.0	7308.7
10°	5958.6	6012.0	6012.0	5933.3	5936.1
11°	4750.6	4794.2	4763.2	4782.9	4659.1
12°	3829.4	3721.1	3695.8	3715.5	3714.1
13°	2923.7	2930.8	2923.7	2922.3	2908.3
14°	2292.3	2328.9	2313.4	2275.4	2258.6
15°	1835.3	1850.7	1850.7	1824.0	1839.5
17.5°	1102.6	1120.8	1125.1	1106.8	1106.8
20°	707.4	715.8	735.5	708.8	684.9
22.5°	436.0	454.2	488.0	448.6	428.9
25°	275.6	301.0	333.3	295.3	265.8
27.5°	173.0	194.1	222.2	185.6	167.4
30°	105.5	119.5	144.9	116.7	99.8
32.5°	59.1	70.3	91.4	67.5	56.3
35°	29.5	39.4	60.5	38.0	28.1
37.5°	16.9	21.1	38.0	18.3	15.5
40°	8.4	11.3	21.1	11.3	7.0
42.5°	2.8	5.6	8.4	5.6	2.8
45°	1.4	2.8	4.2	2.8	1.4
47.5°	0.0	0.0	1.4	0.0	0.0
50°	0.0	0.0	1.4	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)