

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: P1319040

Luminaire Tested: LDSQA3D09R159835DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319040
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: LDSQA3D09R159835DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

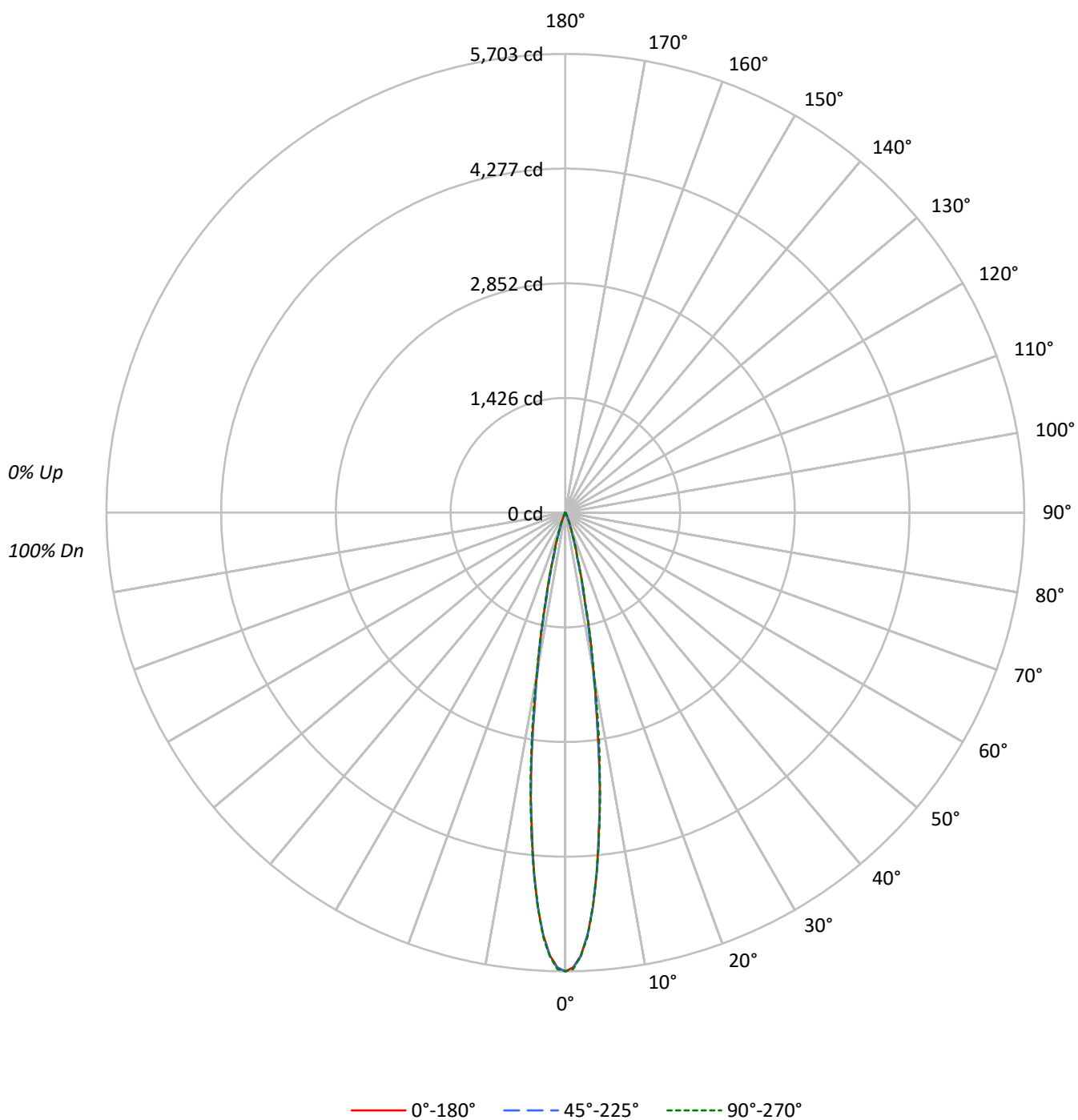
Lumens per Lamp: N/A
Luminaire Lumens: 571.0 lumens
Efficiency: N/A
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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

TEST NUMBER: P1319040

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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°	982117	982117	982117
5°	774695	776769	774003
10°	354428	345142	361913
15°	105374	94088	103235
20°	31285	30350	32861
25°	8893	11497	10318
30°	3182	3401	3063
35°	1198	1072	1072
40°	517	247	382
45°	268	146	268
50°	161	0	161
55°	180	0	180
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: 280 cd/sqm

TEST NUMBER: P1319040

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.5	60.3
10°-20°	191.3	33.5
20°-30°	30.4	5.3
30°-40°	4.0	0.7
40°-50°	0.6	0.1
50°-60°	0.1	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°	566.3	99.2
0°-40°	570.3	99.9
0°-60°	571.0	100.0
0°-90°	571.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	571.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5703	5703	5703	5703	5703	
5°	4481	4519	4493	4474	4477	344
15°	591	583	528	561	579	195
25°	47	53	60	60	54	29
35°	6	6	5	6	5	4
45°	1	1	1	1	1	1
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	0

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5702.6	5702.6	5702.6	5702.6	5702.6	5702.6	5702.6	5702.6	5702.6	5702.6	5702.6
1°	5653.4	5659.7	5667.7	5660.3	5653.4	5659.7	5651.2	5652.3	5645.4	5660.3	5676.9
2°	5509.5	5517.5	5513.0	5502.7	5518.7	5519.8	5502.1	5493.5	5492.4	5507.3	5513.0
3°	5254.8	5273.1	5273.7	5270.3	5265.1	5254.8	5236.6	5248.6	5232.0	5221.7	5280.0
4°	4916.2	4932.2	4951.0	4938.5	4900.8	4904.2	4916.2	4875.7	4878.0	4901.4	4903.1
5°	4481.1	4529.6	4531.9	4514.2	4484.5	4493.1	4484.5	4473.1	4477.1	4491.9	4477.1
6°	3968.8	4023.7	3983.1	4021.9	4013.4	4024.2	4027.1	4015.1	4023.7	4014.5	4011.7
7°	3526.3	3484.6	3490.3	3474.3	3491.4	3502.9	3509.7	3489.1	3505.7	3532.0	3539.4
8°	2977.5	2965.5	2953.5	2982.0	2974.1	2987.8	2996.3	3019.2	3018.0	3026.0	3052.3
9°	2455.0	2472.7	2483.5	2458.4	2480.1	2437.8	2452.7	2513.8	2497.8	2513.8	2560.6
10°	2026.7	2041.0	2025.0	2024.4	2001.5	1973.6	1971.9	1994.7	2042.7	2080.4	2069.5
12.5°	1118.1	1130.7	1132.4	1131.3	1090.1	1043.9	1052.5	1070.7	1100.4	1113.0	1133.5
15°	591.0	590.5	596.8	579.0	557.3	527.7	529.9	555.1	577.3	583.0	579.0
17.5°	303.2	304.4	308.9	304.4	281.5	284.4	290.7	293.5	306.7	311.8	308.9
20°	170.7	171.3	170.7	172.5	163.3	165.6	173.6	174.2	177.0	179.9	179.3
22.5°	97.7	98.2	101.6	100.5	98.2	101.1	102.8	105.6	106.8	105.6	109.1
25°	46.8	47.4	47.4	54.3	57.7	60.5	61.7	60.5	59.4	54.8	54.3
27.5°	26.8	26.8	28.0	28.6	29.7	34.8	34.3	28.6	24.0	24.0	24.6
30°	16.0	15.4	15.4	16.0	16.6	17.1	16.0	15.4	15.4	16.0	15.4
32.5°	9.7	9.7	9.7	9.1	9.1	8.6	8.6	9.7	9.7	9.7	9.7
35°	5.7	5.7	5.7	5.7	5.1	5.1	5.1	5.7	5.7	5.1	5.1
37.5°	3.4	3.4	3.4	2.9	2.9	2.3	2.9	2.9	2.9	2.9	2.9
40°	2.3	2.3	1.7	1.7	1.1	1.1	1.1	1.7	1.7	1.7	1.7
42.5°	1.7	1.7	1.1	1.1	0.6	0.6	0.6	1.1	1.1	1.1	1.1
45°	1.1	1.1	1.1	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1
47.5°	1.1	1.1	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.6
50°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
52.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
55°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
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	0.6	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)