

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: P1310618

Luminaire Tested: LDSQA3D20R159035D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310618
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: LDSQA3D20R159035D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

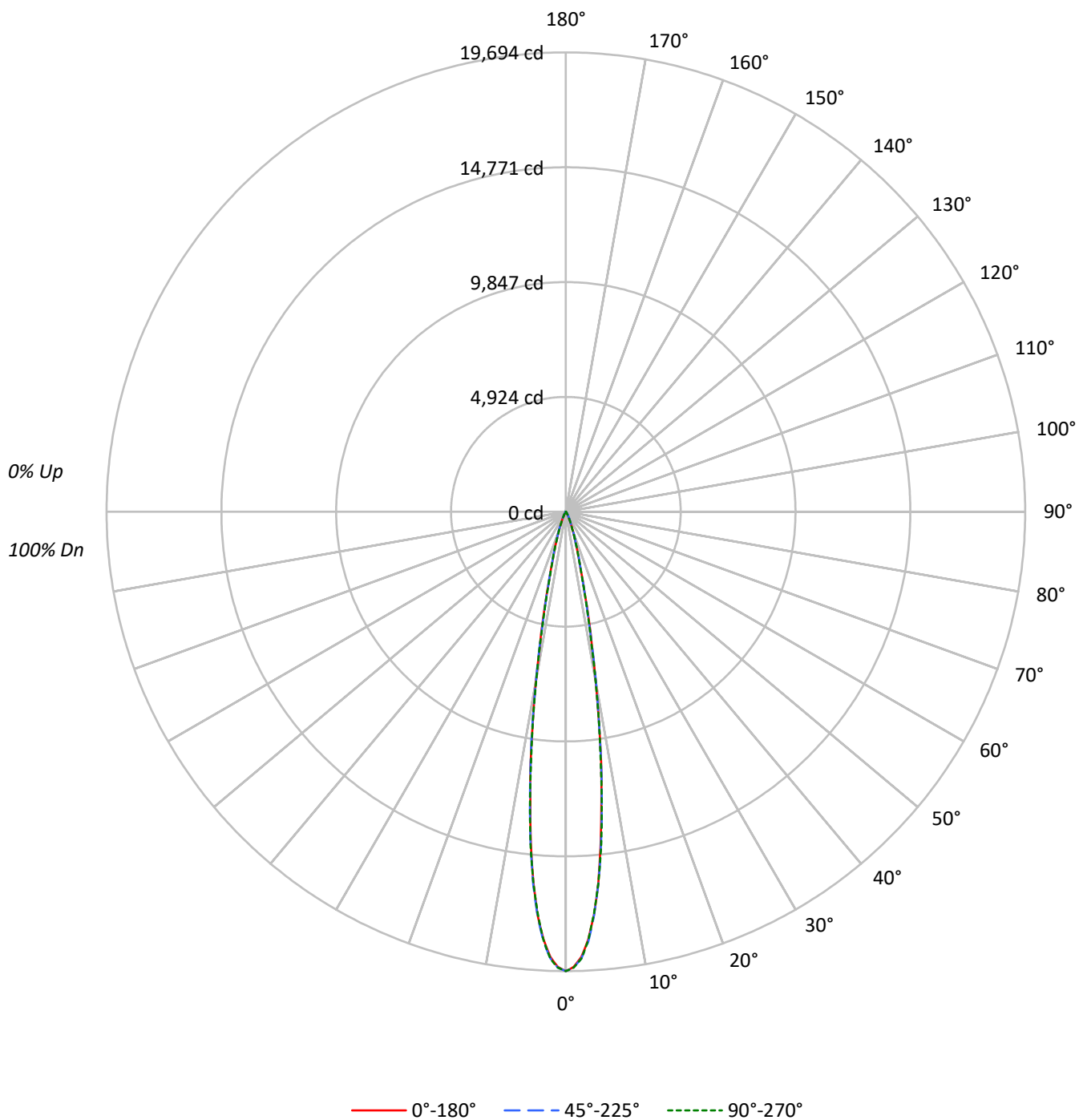
Lumens per Lamp: N/A
Luminaire Lumens: 2198.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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°	3391753	3391753	3391753
5°	2761524	2770531	2765120
10°	1288180	1299739	1283318
15°	404522	407928	405450
20°	160274	166634	155179
25°	64761	78291	62443
30°	25932	35617	24540
35°	7674	15726	7317
40°	2338	5868	1956
45°	414	1267	414
50°	0	455	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: 1267 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1233.0	56.1
10°-20°	737.4	33.6
20°-30°	186.0	8.5
30°-40°	38.0	1.7
40°-50°	3.5	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°	2156.5	98.1
0°-40°	2194.4	99.8
0°-60°	2198.0	100.0
0°-90°	2198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2198.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19694	19694	19694	19694	19694	
5°	15974	15944	16026	15986	15994	1229
15°	2269	2288	2288	2255	2274	738
25°	341	372	412	365	329	175
35°	36	49	75	47	35	30
45°	2	4	5	4	2	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19694.0	19694.0	19694.0	19694.0	19694.0
1°	19516.7	19582.7	19548.0	19575.8	19544.5
2°	19094.2	19182.9	19155.1	19146.4	19170.7
3°	18350.1	18452.7	18449.2	18423.1	18381.4
4°	17334.8	17293.1	17357.4	17350.5	17279.2
5°	15973.6	15944.0	16025.7	15985.7	15994.4
6°	14308.1	14436.7	14408.9	14412.4	14445.4
7°	12519.1	12588.7	12647.8	12696.4	12628.6
8°	10876.2	10858.8	10864.0	10919.7	10731.9
9°	9036.8	9144.6	9075.1	8963.8	9035.1
10°	7366.1	7432.2	7432.2	7334.8	7338.3
11°	5872.7	5926.6	5888.4	5912.7	5759.7
12°	4734.0	4600.1	4568.8	4593.2	4591.4
13°	3614.4	3623.1	3614.4	3612.7	3595.3
14°	2833.8	2879.0	2859.9	2812.9	2792.1
15°	2268.8	2287.9	2287.9	2254.9	2274.0
17.5°	1363.0	1385.6	1390.8	1368.2	1368.2
20°	874.5	884.9	909.2	876.2	846.7
22.5°	538.9	561.5	603.3	554.6	530.2
25°	340.8	372.0	412.0	365.1	328.6
27.5°	213.8	239.9	274.7	229.5	206.9
30°	130.4	147.8	179.1	144.3	123.4
32.5°	73.0	86.9	113.0	83.4	69.5
35°	36.5	48.7	74.8	46.9	34.8
37.5°	20.9	26.1	46.9	22.6	19.1
40°	10.4	13.9	26.1	13.9	8.7
42.5°	3.5	7.0	10.4	7.0	3.5
45°	1.7	3.5	5.2	3.5	1.7
47.5°	0.0	0.0	1.7	0.0	0.0
50°	0.0	0.0	1.7	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)