

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: P1309033

Luminaire Tested: LDSQA3D09R159030DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309033
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: LDSQA3D09R159030DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

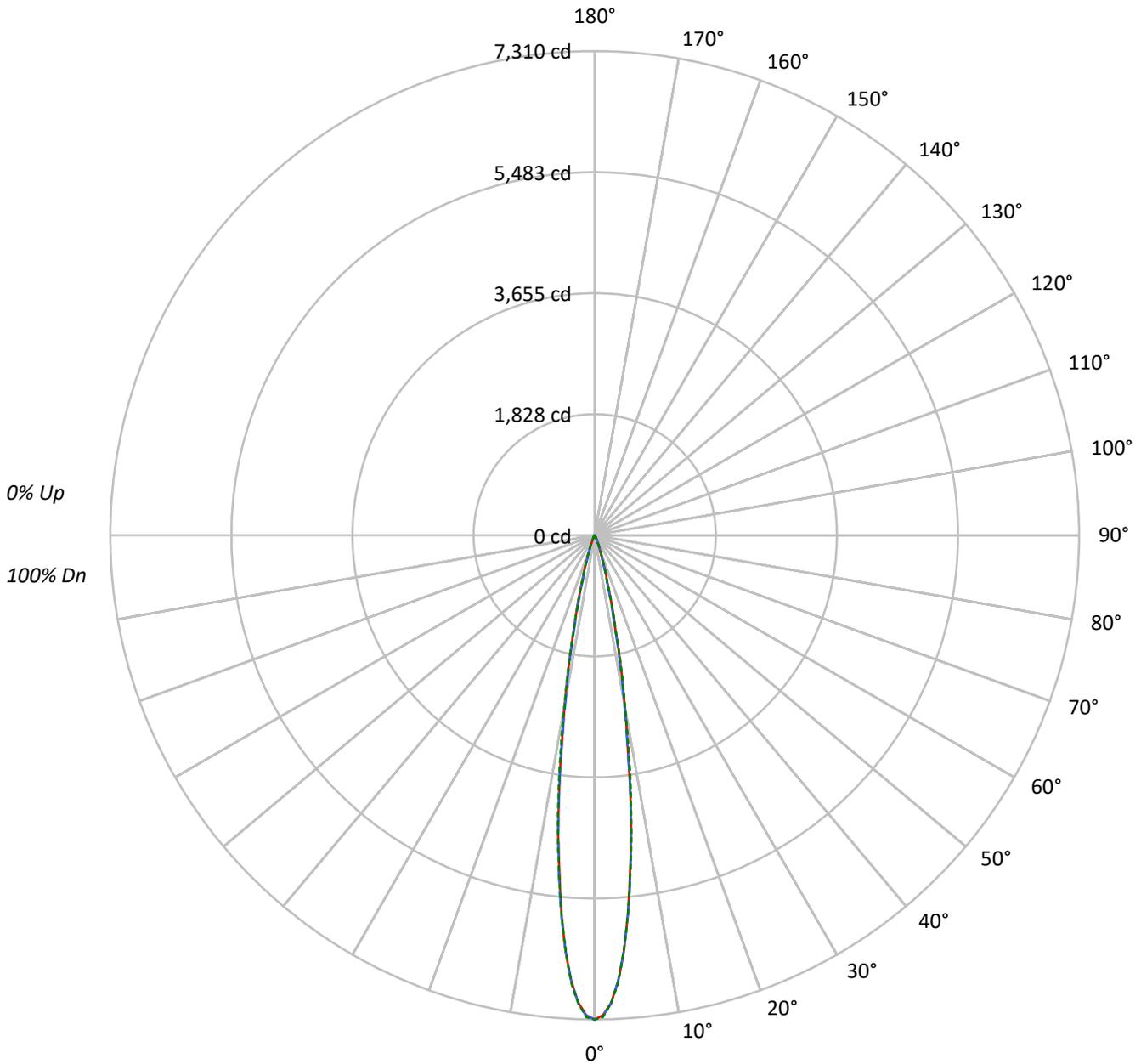
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 732.0 lumens
Efficiency: N/A
Efficacy: 65.9 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): 11.1
Input Voltage (V): NR
Input Current (A_{in}): 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



— 0°-180° - - 45°-225° - · - · 90°-270°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	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	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	97	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	97	96	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	96	94	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	95	93	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	94	92	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	92	90	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	91	89	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	90	88	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1259034	1259034	1259034
5°	993129	995774	992230
10°	454354	442445	463955
15°	135096	120601	132351
20°	40119	38909	42135
25°	11402	14746	13207
30°	4077	4375	3938
35°	1535	1388	1388
40°	652	337	495
45°	365	170	365
50°	188	0	188
55°	210	0	210
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: 382 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	441.7	60.3
10°-20°	245.2	33.5
20°-30°	39.0	5.3
30°-40°	5.1	0.7
40°-50°	0.8	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°	726.0	99.2
0°-40°	731.1	99.9
0°-60°	732.0	100.0
0°-90°	732.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	732.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7310	7310	7310	7310	7310	
5°	5745	5793	5760	5736	5739	441
15°	758	748	676	719	742	250
25°	60	67	78	77	70	37
35°	7	7	7	7	7	5
45°	2	1	1	1	2	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°	7310.5	7310.5	7310.5	7310.5	7310.5	7310.5	7310.5	7310.5	7310.5	7310.5	7310.5
1°	7247.5	7255.5	7265.8	7256.3	7247.5	7255.5	7244.6	7246.0	7237.2	7256.3	7277.5
2°	7063.0	7073.3	7067.4	7054.2	7074.7	7076.2	7053.5	7042.5	7041.1	7060.1	7067.4
3°	6736.5	6759.9	6760.7	6756.3	6749.7	6736.5	6713.1	6728.5	6707.2	6694.1	6768.7
4°	6302.4	6322.9	6347.1	6330.9	6282.6	6287.0	6302.4	6250.4	6253.3	6283.4	6285.6
5°	5744.6	5806.8	5809.7	5787.0	5748.9	5759.9	5748.9	5734.3	5739.4	5758.5	5739.4
6°	5087.9	5158.2	5106.2	5156.0	5145.0	5158.9	5162.6	5147.2	5158.2	5146.5	5142.8
7°	4520.5	4467.1	4474.4	4453.9	4475.9	4490.5	4499.3	4473.0	4494.2	4527.9	4537.4
8°	3817.0	3801.6	3786.3	3822.9	3812.6	3830.2	3841.2	3870.5	3869.0	3879.2	3912.9
9°	3147.2	3169.9	3183.8	3151.6	3179.4	3125.2	3144.2	3222.6	3202.1	3222.6	3282.6
10°	2598.1	2616.4	2595.9	2595.2	2565.9	2530.0	2527.8	2557.1	2618.6	2666.9	2653.0
12.5°	1433.4	1449.5	1451.7	1450.2	1397.5	1338.2	1349.2	1372.6	1410.7	1426.8	1453.2
15°	757.7	757.0	765.0	742.3	714.5	676.4	679.4	711.6	740.1	747.4	742.3
17.5°	388.7	390.2	396.1	390.2	360.9	364.6	372.6	376.3	393.1	399.7	396.1
20°	218.9	219.6	218.9	221.1	209.4	212.3	222.5	223.3	226.9	230.6	229.9
22.5°	125.2	125.9	130.3	128.8	125.9	129.6	131.8	135.4	136.9	135.4	139.8
25°	60.0	60.8	60.8	69.5	73.9	77.6	79.1	77.6	76.1	70.3	69.5
27.5°	34.4	34.4	35.9	36.6	38.1	44.7	43.9	36.6	30.7	30.7	31.5
30°	20.5	19.8	19.8	20.5	21.2	22.0	20.5	19.8	19.8	20.5	19.8
32.5°	12.4	12.4	12.4	11.7	11.7	11.0	11.0	12.4	12.4	12.4	12.4
35°	7.3	7.3	7.3	7.3	6.6	6.6	6.6	7.3	7.3	6.6	6.6
37.5°	4.4	4.4	4.4	3.7	3.7	2.9	3.7	3.7	3.7	3.7	3.7
40°	2.9	2.9	2.2	2.2	1.5	1.5	1.5	2.2	2.2	2.2	2.2
42.5°	2.2	2.2	1.5	1.5	0.7	0.7	0.7	1.5	1.5	1.5	1.5
45°	1.5	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5
47.5°	1.5	1.5	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.7	0.7
50°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
52.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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	0.7	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)