

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: P1313010

Luminaire Tested: LDSQA3D24R309050D010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R309050D010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

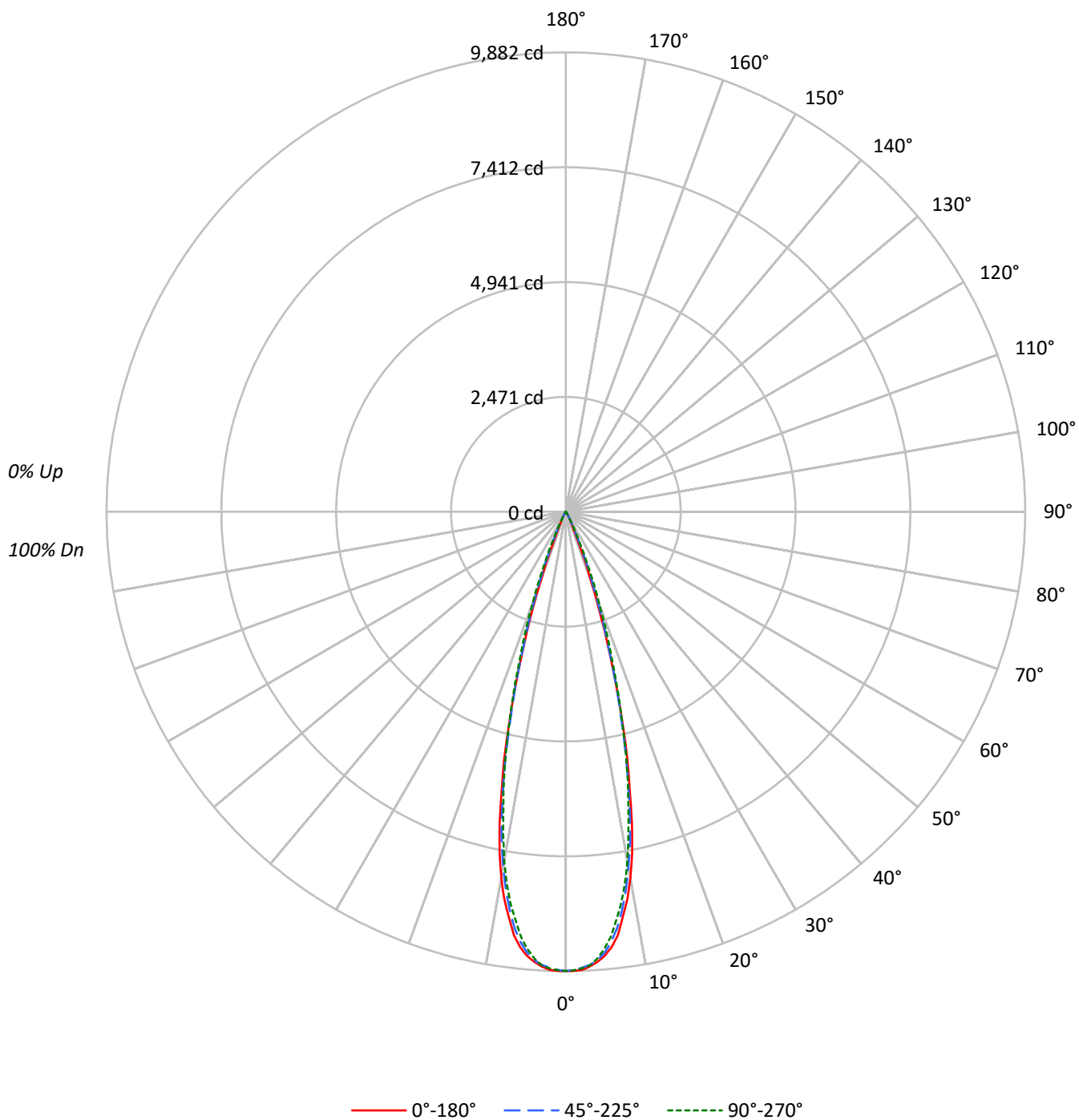
Lumens per Lamp: N/A
Luminaire Lumens: 2394.0 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	115	113	111	110	113	111	109	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	101	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1701577	1701577	1701577
5°	1657768	1646358	1632787
10°	1399018	1356068	1334050
15°	843082	819529	834613
20°	285965	330226	380920
25°	52561	82358	97275
30°	18057	20105	22571
35°	5214	6518	6938
40°	1394	2316	1866
45°	511	511	511
50°	563	0	563
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: 0°

Vertical Angle: 52.5°

Luminance: 594 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	854.3	35.7
10°-20°	1248.6	52.2
20°-30°	264.2	11.0
30°-40°	24.3	1.0
40°-50°	2.4	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°	2367.2	98.9
0°-40°	2391.5	99.9
0°-60°	2394.0	100.0
0°-90°	2394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2394.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9880	9880	9880	9880	9880	
5°	9589	9570	9523	9494	9445	866
15°	4728	4712	4596	4704	4681	1247
25°	277	310	433	510	512	202
35°	25	31	31	37	33	21
45°	2	2	2	2	2	2
55°	0	0	0	0	0	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°	22.5°	45°	67.5°	90°
0°	9880.1	9880.1	9880.1	9880.1	9880.1
1°	9882.2	9871.9	9857.4	9878.1	9863.6
2°	9861.6	9836.8	9816.2	9836.8	9830.6
3°	9799.6	9779.0	9764.6	9774.9	9774.9
4°	9706.8	9684.1	9671.7	9673.7	9642.8
5°	9589.1	9570.5	9523.1	9494.2	9444.6
6°	9415.7	9370.3	9312.5	9265.1	9201.1
7°	9180.5	9110.3	9027.7	8945.2	8864.7
8°	8802.8	8769.7	8658.3	8602.5	8522.1
9°	8447.8	8367.3	8247.5	8156.7	8113.4
10°	7999.9	7880.2	7754.3	7682.0	7628.4
11°	7469.4	7347.7	7246.5	7141.3	7058.7
12°	6846.1	6742.9	6627.3	6557.2	6460.2
13°	6107.2	6092.8	5962.8	5940.1	5927.7
14°	5473.6	5415.8	5287.8	5322.9	5331.2
15°	4728.5	4712.0	4596.4	4703.7	4681.0
17.5°	2961.8	2968.0	3040.2	3209.4	3263.1
20°	1560.3	1607.8	1801.8	2006.2	2078.4
22.5°	631.6	736.8	935.0	1073.3	1166.1
25°	276.6	309.6	433.4	509.8	511.9
27.5°	156.9	158.9	208.5	216.7	220.8
30°	90.8	92.9	101.1	107.3	113.5
32.5°	49.5	53.7	55.7	64.0	64.0
35°	24.8	31.0	31.0	37.2	33.0
37.5°	14.4	16.5	18.6	18.6	16.5
40°	6.2	8.3	10.3	10.3	8.3
42.5°	2.1	4.1	4.1	4.1	6.2
45°	2.1	2.1	2.1	2.1	2.1
47.5°	2.1	2.1	0.0	2.1	2.1
50°	2.1	0.0	0.0	0.0	2.1
52.5°	2.1	0.0	0.0	0.0	2.1
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)