

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: P1324053

Luminaire Tested: LDSQA3D17R309030D2WDE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324053
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: LDSQA3D17R309030D2WDE010 3LSQPHR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

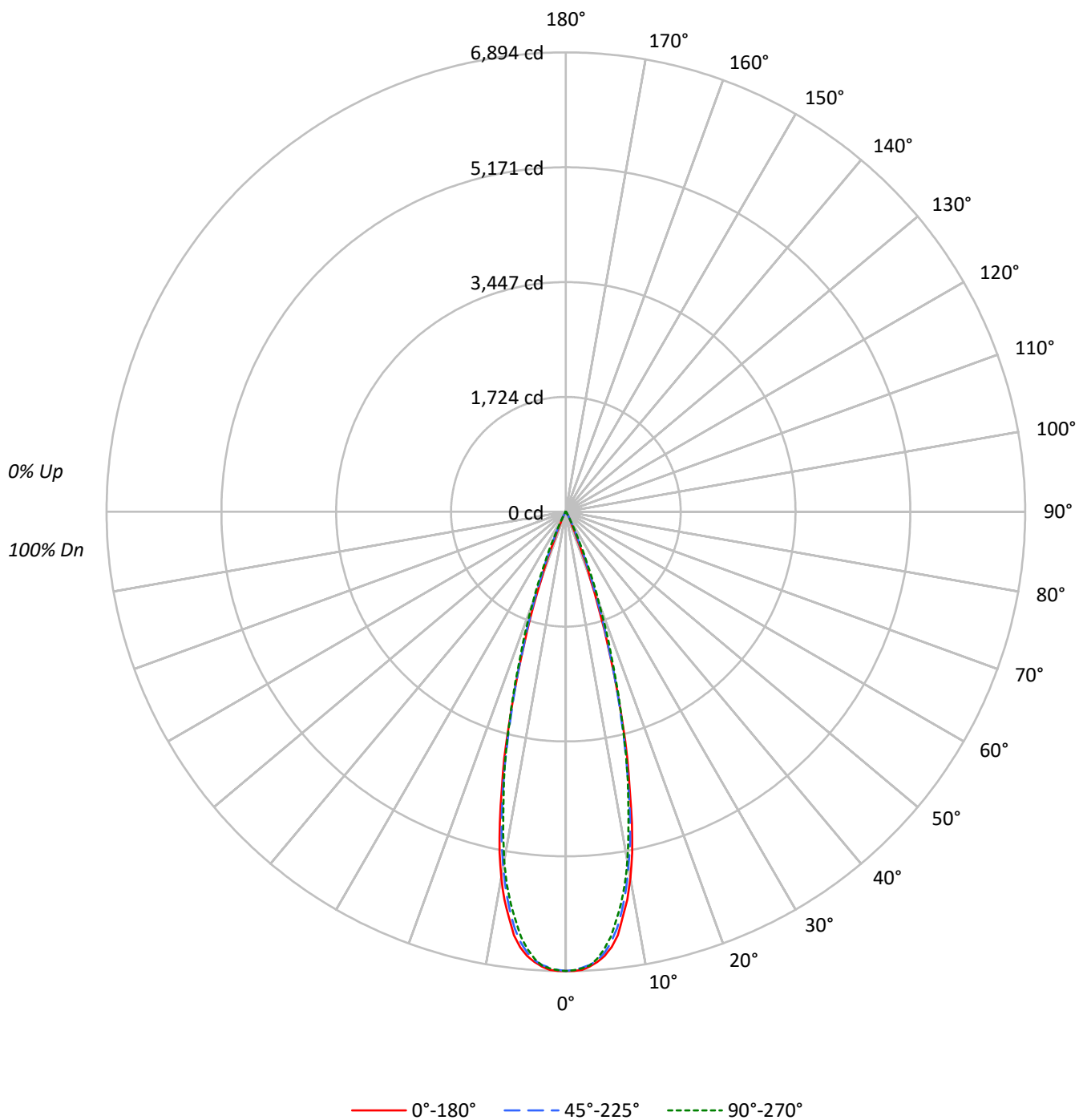
Lumens per Lamp: N/A
Luminaire Lumens: 1670.0 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.3
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°	1186993	1186993	1186993
5°	1156432	1148462	1139006
10°	975915	945958	930604
15°	588116	571695	582214
20°	199495	230359	265713
25°	36656	57464	67859
30°	12588	14020	15750
35°	3637	4541	4836
40°	967	1619	1304
45°	341	341	341
50°	375	0	375
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: 396 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.0	35.7
10°-20°	871.0	52.2
20°-30°	184.3	11.0
30°-40°	17.0	1.0
40°-50°	1.6	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°	1651.3	98.9
0°-40°	1668.3	99.9
0°-60°	1670.0	100.0
0°-90°	1670.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1670.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6892	6892	6892	6892	6892	
5°	6689	6676	6643	6623	6588	604
15°	3298	3287	3206	3281	3265	870
25°	193	216	302	356	357	141
35°	17	22	22	26	23	14
45°	1	1	1	1	1	1
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°	6892.2	6892.2	6892.2	6892.2	6892.2
1°	6893.6	6886.4	6876.3	6890.7	6880.6
2°	6879.2	6861.9	6847.5	6861.9	6857.6
3°	6836.0	6821.6	6811.5	6818.7	6818.7
4°	6771.2	6755.4	6746.7	6748.2	6726.6
5°	6689.2	6676.2	6643.1	6622.9	6588.4
6°	6568.2	6536.5	6496.2	6463.1	6418.5
7°	6404.1	6355.1	6297.5	6239.9	6183.8
8°	6140.6	6117.6	6039.8	6000.9	5944.8
9°	5893.0	5836.8	5753.3	5690.0	5659.7
10°	5580.5	5497.0	5409.2	5358.8	5321.4
11°	5210.5	5125.6	5055.0	4981.6	4924.0
12°	4775.7	4703.7	4623.1	4574.1	4506.5
13°	4260.3	4250.2	4159.5	4143.6	4135.0
14°	3818.3	3777.9	3688.7	3713.2	3718.9
15°	3298.5	3287.0	3206.4	3281.2	3265.4
17.5°	2066.1	2070.4	2120.8	2238.8	2276.3
20°	1088.5	1121.6	1256.9	1399.5	1449.8
22.5°	440.6	514.0	652.2	748.7	813.5
25°	192.9	216.0	302.4	355.6	357.1
27.5°	109.4	110.9	145.4	151.2	154.1
30°	63.3	64.8	70.5	74.9	79.2
32.5°	34.6	37.4	38.9	44.6	44.6
35°	17.3	21.6	21.6	25.9	23.0
37.5°	10.1	11.5	13.0	13.0	11.5
40°	4.3	5.8	7.2	7.2	5.8
42.5°	1.4	2.9	2.9	2.9	4.3
45°	1.4	1.4	1.4	1.4	1.4
47.5°	1.4	1.4	0.0	1.4	1.4
50°	1.4	0.0	0.0	0.0	1.4
52.5°	1.4	0.0	0.0	0.0	1.4
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)