

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: P1323727

Luminaire Tested: LDSQA3D09R209030D2WDE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209030D2WDE010 3LSQPHR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

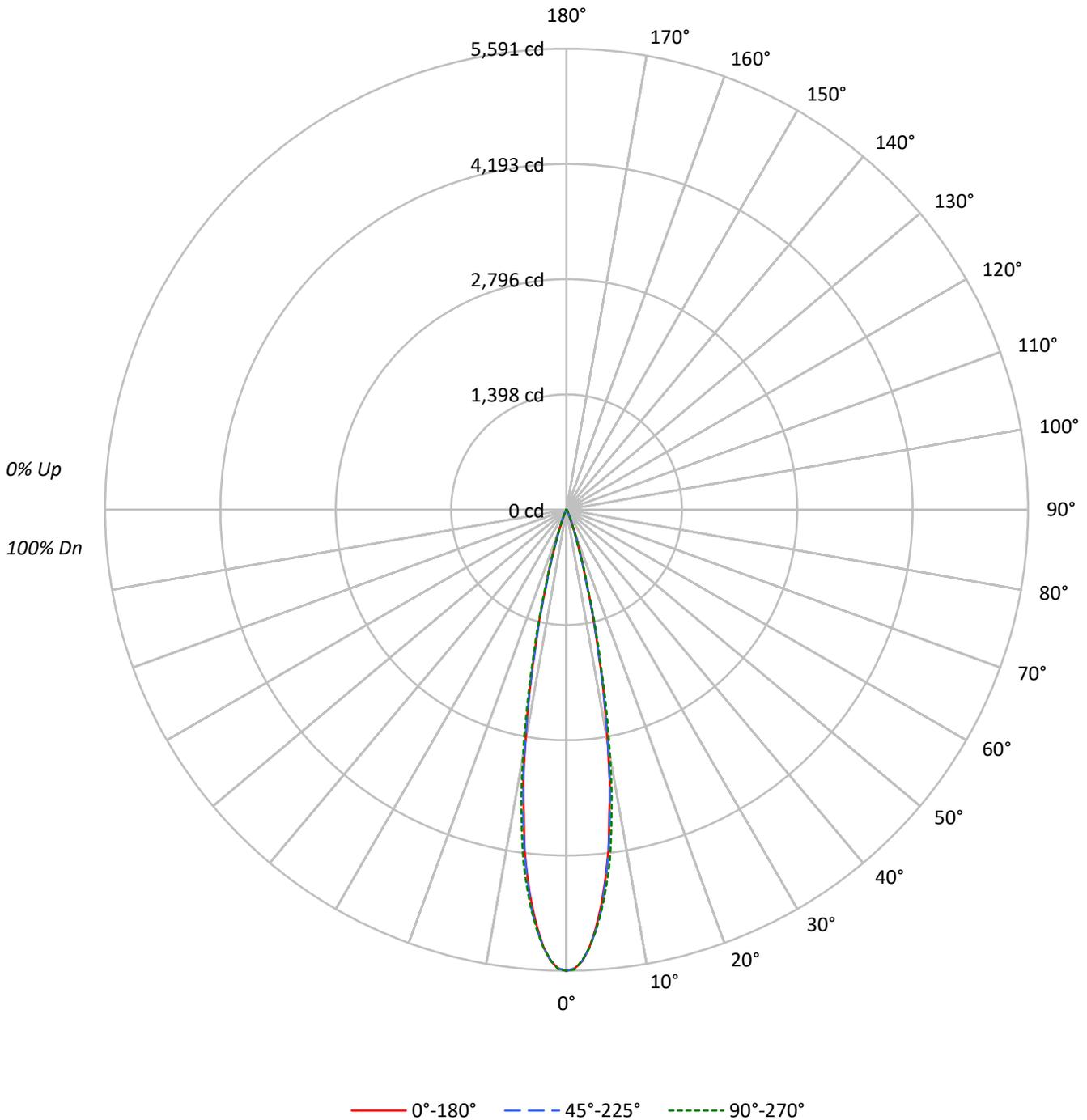
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 751.0 lumens
Efficiency: N/A
Efficacy: 51.1 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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				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	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	96	95	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	95	93	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	93	91	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	92	90	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	91	88	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	89	87	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	88	86	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	962966	962966	962966
5°	831884	839646	842758
10°	500785	505472	530619
15°	173217	169151	182631
20°	45489	42795	42923
25°	9919	11953	13606
30°	4256	4256	4395
35°	2397	2102	2250
40°	1057	1214	1349
45°	317	487	487
50°	188	188	188
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: 22.5°

Vertical Angle: 45°

Luminance: 487 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	399.9	53.3
10°-20°	304.5	40.5
20°-30°	37.7	5.0
30°-40°	7.1	0.9
40°-50°	1.7	0.2
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°	742.1	98.8
0°-40°	749.2	99.8
0°-60°	751.0	100.0
0°-90°	751.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	751.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5591	5591	5591	5591	5591	
5°	4812	4809	4857	4853	4875	397
15°	972	937	949	1006	1024	304
25°	52	60	63	66	72	36
35°	11	11	10	11	11	7
45°	1	2	2	2	2	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°	5591.4	5591.4	5591.4	5591.4	5591.4
1°	5565.3	5558.6	5564.0	5552.6	5576.0
2°	5476.3	5469.6	5469.6	5463.0	5466.3
3°	5310.4	5321.1	5314.4	5300.4	5318.4
4°	5084.3	5096.3	5107.0	5107.7	5110.4
5°	4811.9	4808.6	4856.8	4853.4	4874.8
6°	4501.5	4497.5	4518.2	4553.0	4595.8
7°	4160.3	4111.4	4167.0	4237.2	4294.8
8°	3718.7	3731.4	3769.5	3852.5	3898.7
9°	3344.0	3269.7	3350.7	3449.7	3499.9
10°	2863.6	2803.4	2890.4	2994.8	3034.2
12.5°	1802.5	1750.3	1778.4	1888.1	1905.5
15°	971.5	936.7	948.7	1005.6	1024.3
17.5°	495.8	464.3	457.6	493.8	497.8
20°	248.2	240.9	233.5	236.9	234.2
22.5°	115.1	125.1	123.8	117.1	125.1
25°	52.2	59.5	62.9	65.6	71.6
27.5°	32.1	30.8	35.5	38.1	38.8
30°	21.4	20.7	21.4	22.1	22.1
32.5°	15.4	14.7	14.1	14.1	14.7
35°	11.4	11.4	10.0	10.7	10.7
37.5°	8.0	8.0	7.4	8.0	8.0
40°	4.7	5.4	5.4	5.4	6.0
42.5°	2.7	3.3	3.3	3.3	3.3
45°	1.3	2.0	2.0	2.0	2.0
47.5°	0.7	0.7	0.7	1.3	1.3
50°	0.7	0.7	0.7	0.7	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)