

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: P1313477

Luminaire Tested: LDSQA3D09R209727DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313477
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: LDSQA3D09R209727DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

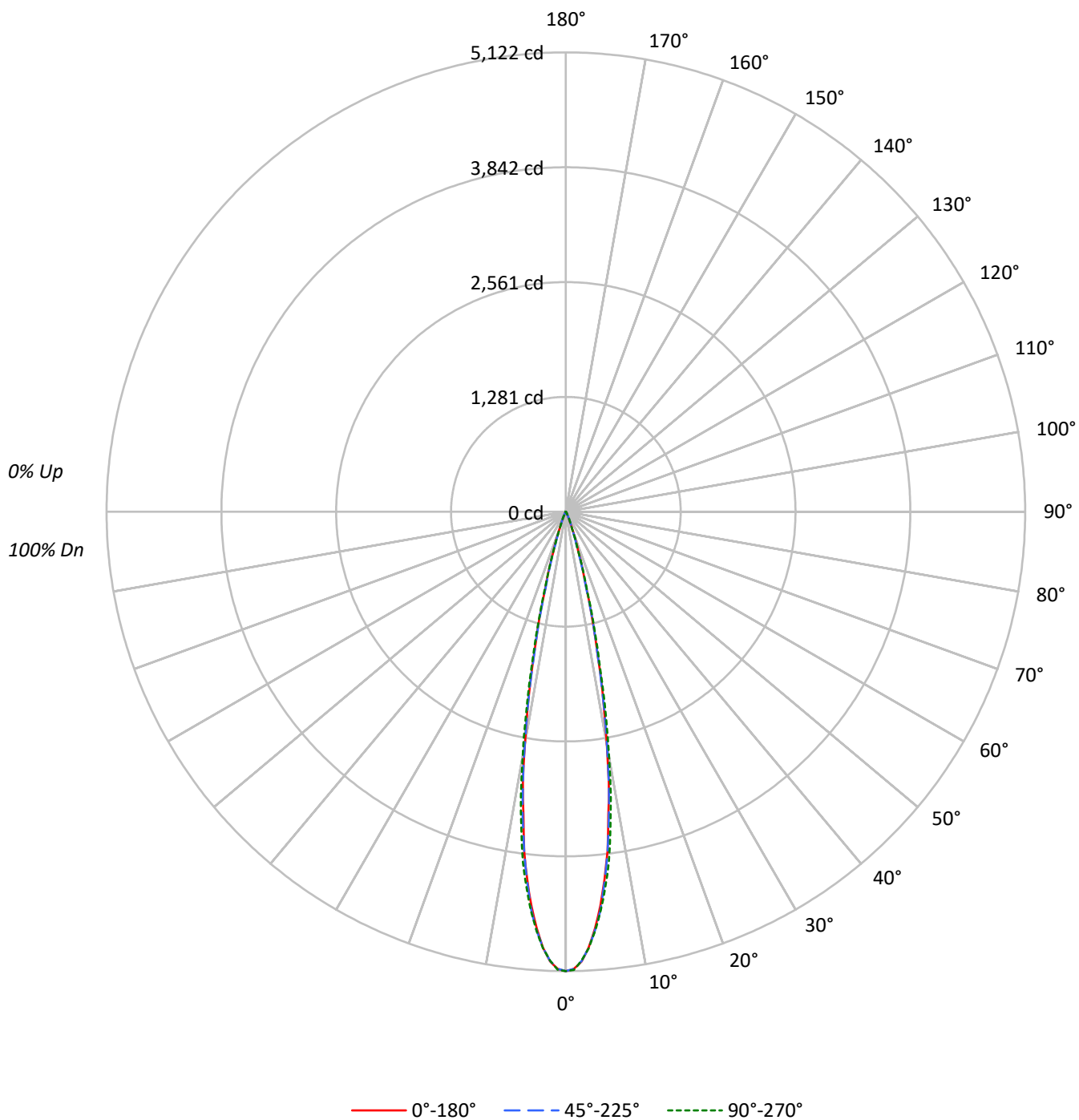
Lumens per Lamp: N/A
Luminaire Lumens: 688.0 lumens
Efficiency: N/A
Efficacy: 62.0 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	882193	882193	882193
5°	762109	769215	772067
10°	458779	463063	486112
15°	158685	154977	167315
20°	41677	39203	39313
25°	9083	10946	12466
30°	3898	3898	4017
35°	2187	1934	2060
40°	967	1102	1237
45°	292	438	438
50°	161	161	161
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: 438 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.4	53.3
10°-20°	278.9	40.5
20°-30°	34.5	5.0
30°-40°	6.5	0.9
40°-50°	1.6	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°	679.8	98.8
0°-40°	686.3	99.8
0°-60°	688.0	100.0
0°-90°	688.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	688.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5122	5122	5122	5122	5122	
5°	4408	4405	4449	4446	4466	364
15°	890	858	869	921	938	279
25°	48	55	58	60	66	33
35°	10	10	9	10	10	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5122.4	5122.4	5122.4	5122.4	5122.4
1°	5098.5	5092.3	5097.2	5086.8	5108.3
2°	5016.9	5010.8	5010.8	5004.7	5007.7
3°	4864.9	4874.7	4868.6	4855.7	4872.3
4°	4657.8	4668.8	4678.6	4679.2	4681.7
5°	4408.3	4405.2	4449.4	4446.3	4465.9
6°	4123.9	4120.2	4139.2	4171.1	4210.3
7°	3811.3	3766.5	3817.4	3881.8	3934.5
8°	3406.7	3418.4	3453.3	3529.3	3571.6
9°	3063.5	2995.5	3069.6	3160.3	3206.3
10°	2623.4	2568.2	2647.9	2743.5	2779.7
12.5°	1651.3	1603.5	1629.2	1729.7	1745.7
15°	890.0	858.1	869.2	921.3	938.4
17.5°	454.2	425.4	419.3	452.4	456.0
20°	227.4	220.7	213.9	217.0	214.5
22.5°	105.4	114.6	113.4	107.3	114.6
25°	47.8	54.6	57.6	60.1	65.6
27.5°	29.4	28.2	32.5	34.9	35.6
30°	19.6	19.0	19.6	20.2	20.2
32.5°	14.1	13.5	12.9	12.9	13.5
35°	10.4	10.4	9.2	9.8	9.8
37.5°	7.4	7.4	6.7	7.4	7.4
40°	4.3	4.9	4.9	4.9	5.5
42.5°	2.5	3.1	3.1	3.1	3.1
45°	1.2	1.8	1.8	1.8	1.8
47.5°	0.6	0.6	0.6	1.2	1.2
50°	0.6	0.6	0.6	0.6	0.6
52.5°	0.6	0.0	0.0	0.0	0.6
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)