

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: P1306954

Luminaire Tested: LDSQA3D09R209024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306954
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209024DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

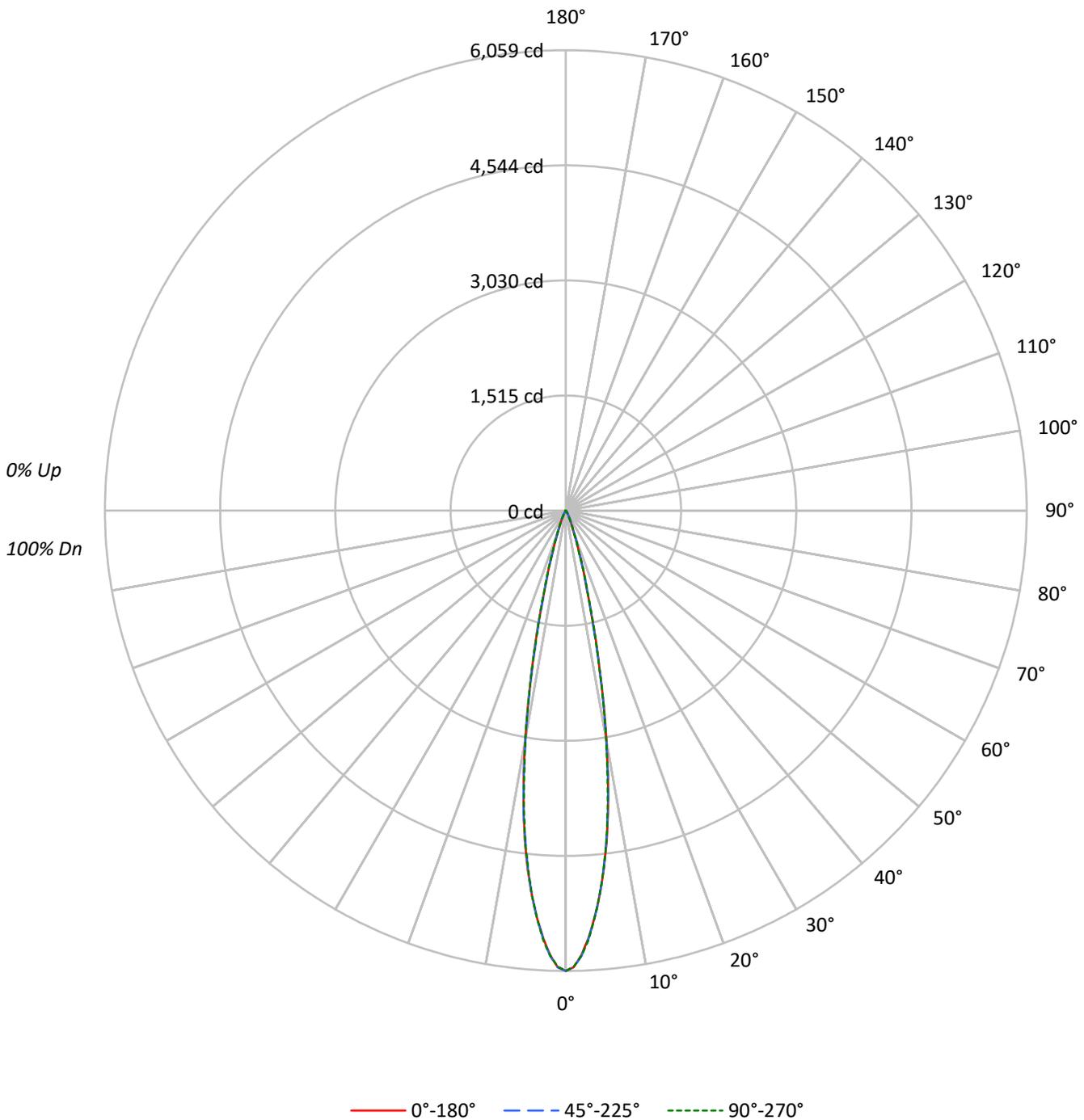
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 834.9 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 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 (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





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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1043531	1043531	1043531
5°	879547	879875	879443
10°	535971	533487	534729
15°	188800	189602	195468
20°	59326	60976	59675
25°	22214	24304	22841
30°	8611	12210	8989
35°	3259	5424	3532
40°	1754	2316	1754
45°	633	1096	779
50°	348	509	348
55°	390	390	390
60°	207	207	207
65°	245	245	245
70°	302	302	302
75°	0	0	399
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1096 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.6	50.4
10°-20°	329.8	39.5
20°-30°	64.8	7.8
30°-40°	14.5	1.7
40°-50°	3.3	0.4
50°-60°	1.0	0.1
60°-70°	0.6	0.1
70°-80°	0.3	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°	815.2	97.6
0°-40°	829.7	99.4
0°-60°	834.1	99.9
0°-90°	834.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	834.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6059	6059	6059	6059	6059	
5°	5088	5092	5090	5107	5087	421
15°	1059	1063	1063	1087	1096	329
25°	117	125	128	126	120	62
35°	16	19	26	19	17	12
45°	3	4	4	4	3	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	1	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°	6059.2	6059.2	6059.2	6059.2	6059.2
1°	6010.1	5997.2	6012.1	6000.5	6003.0
2°	5854.5	5847.3	5866.7	5854.5	5860.9
3°	5638.0	5629.0	5643.2	5643.8	5661.9
4°	5379.6	5362.2	5383.5	5384.1	5387.4
5°	5087.6	5092.1	5089.5	5107.0	5087.0
6°	4759.4	4774.3	4754.9	4764.6	4736.8
7°	4392.5	4373.7	4364.0	4367.3	4386.6
8°	3987.4	3974.5	3988.7	3968.6	3955.1
9°	3537.1	3514.5	3530.0	3510.6	3491.2
10°	3064.8	3054.5	3050.6	3028.7	3057.7
11°	2591.3	2560.3	2575.8	2564.8	2596.5
12°	2148.1	2150.7	2120.3	2130.0	2133.9
13°	1748.2	1706.8	1712.0	1738.5	1743.0
14°	1356.0	1361.9	1363.8	1382.5	1393.5
15°	1058.9	1063.4	1063.4	1086.6	1096.3
17.5°	567.9	567.9	580.1	582.7	584.0
20°	323.7	325.6	332.7	332.1	325.6
22.5°	193.8	197.7	201.6	197.7	193.8
25°	116.9	124.7	127.9	126.0	120.2
27.5°	69.8	78.2	87.2	80.1	69.1
30°	43.3	47.8	61.4	49.1	45.2
32.5°	23.9	31.0	42.0	32.3	24.5
35°	15.5	18.7	25.8	18.7	16.8
37.5°	11.0	12.9	16.2	13.6	11.6
40°	7.8	9.0	10.3	9.7	7.8
42.5°	5.2	6.5	7.1	6.5	5.2
45°	2.6	3.9	4.5	3.9	3.2
47.5°	1.3	1.9	3.2	1.9	1.3
50°	1.3	1.3	1.9	1.3	1.3
52.5°	1.3	1.3	1.3	1.3	1.3
55°	1.3	1.3	1.3	1.3	1.3
57.5°	1.3	1.3	0.6	1.3	0.6
60°	0.6	0.6	0.6	0.6	0.6
62.5°	0.6	0.6	0.6	0.6	0.6
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.0	0.0	0.6
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)