

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: P1317300

Luminaire Tested: LDSQA3D09R209827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317300
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: LDSQA3D09R209827DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

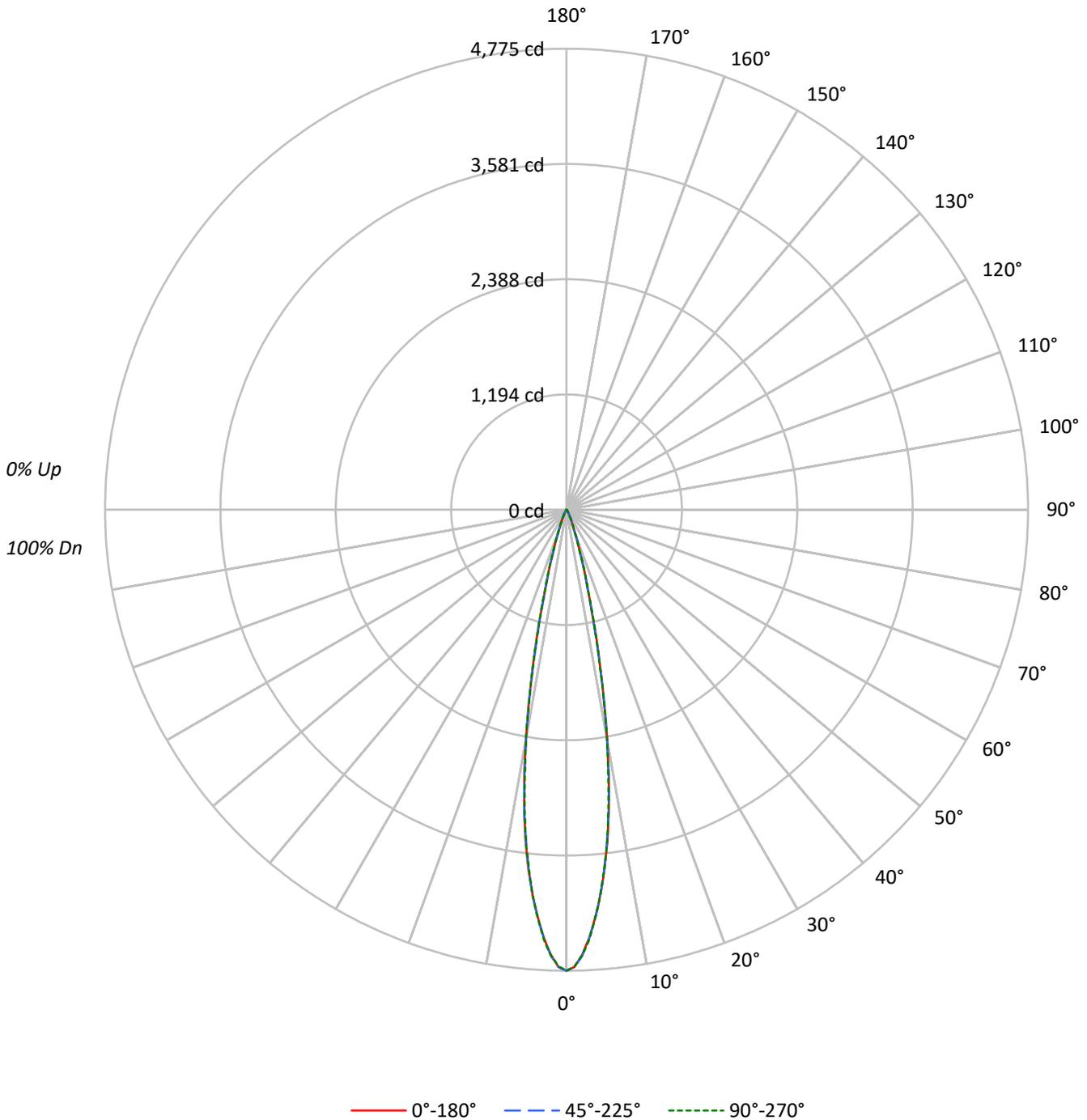
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 658.0 lumens
Efficiency: N/A
Efficacy: 59.8 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
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

TEST NUMBER: P1317300
CATALOG NUMBER: LDSQA3D09R209827DE010 3LSQCDR1MW

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	97	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	94	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	92	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	90	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	88	88	87
7	100	94	90	88	99	94	90	88	92	90	87	92	89	87	91	88	87	87	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	85	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	83	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	82	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	822329	822329	822329
5°	693095	693372	693009
10°	422369	420410	421390
15°	148772	149414	154032
20°	46754	48055	47028
25°	17501	19155	17996
30°	6781	9625	7080
35°	2565	4289	2775
40°	1371	1821	1371
45°	487	877	609
50°	268	402	268
55°	300	300	300
60°	172	172	172
65°	204	204	204
70°	252	252	252
75°	0	0	333
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 877 cd/sqm



TEST NUMBER: P1317300

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.5	50.4
10°-20°	259.9	39.5
20°-30°	51.0	7.8
30°-40°	11.5	1.7
40°-50°	2.6	0.4
50°-60°	0.8	0.1
60°-70°	0.5	0.1
70°-80°	0.2	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°	642.4	97.6
0°-40°	653.9	99.4
0°-60°	657.3	99.9
0°-90°	658.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	658.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4775	4775	4775	4775	4775	
5°	4009	4013	4011	4024	4009	332
15°	834	838	838	856	864	259
25°	92	98	101	99	95	49
35°	12	15	20	15	13	9
45°	2	3	4	3	2	2
55°	1	1	1	1	1	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	0



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 CATALOG NUMBER: LDSQA3D09R209827DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4774.8	4774.8	4774.8	4774.8	4774.8
1°	4736.1	4726.0	4737.7	4728.5	4730.5
2°	4613.4	4607.8	4623.1	4613.4	4618.5
3°	4442.9	4435.8	4447.0	4447.5	4461.7
4°	4239.3	4225.5	4242.3	4242.8	4245.4
5°	4009.1	4012.7	4010.7	4024.4	4008.6
6°	3750.5	3762.2	3747.0	3754.6	3732.7
7°	3461.4	3446.6	3439.0	3441.5	3456.8
8°	3142.2	3132.0	3143.2	3127.4	3116.7
9°	2787.3	2769.5	2781.7	2766.4	2751.2
10°	2415.2	2407.0	2404.0	2386.7	2409.6
11°	2042.0	2017.6	2029.8	2021.1	2046.1
12°	1692.8	1694.8	1670.9	1678.5	1681.6
13°	1377.6	1345.0	1349.1	1370.0	1373.5
14°	1068.6	1073.2	1074.7	1089.5	1098.1
15°	834.4	838.0	838.0	856.3	863.9
17.5°	447.5	447.5	457.2	459.2	460.2
20°	255.1	256.6	262.2	261.7	256.6
22.5°	152.7	155.8	158.8	155.8	152.7
25°	92.1	98.3	100.8	99.3	94.7
27.5°	55.0	61.6	68.7	63.1	54.5
30°	34.1	37.7	48.4	38.7	35.6
32.5°	18.8	24.4	33.1	25.5	19.3
35°	12.2	14.8	20.4	14.8	13.2
37.5°	8.7	10.2	12.7	10.7	9.2
40°	6.1	7.1	8.1	7.6	6.1
42.5°	4.1	5.1	5.6	5.1	4.1
45°	2.0	3.1	3.6	3.1	2.5
47.5°	1.0	1.5	2.5	1.5	1.0
50°	1.0	1.0	1.5	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	0.5	1.0	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.5
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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CATALOG NUMBER: LDSQA3D09R209827DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)