

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: P1317302

Luminaire Tested: LDSQA3D09R209827DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317302
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: LDSQA3D09R209827DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

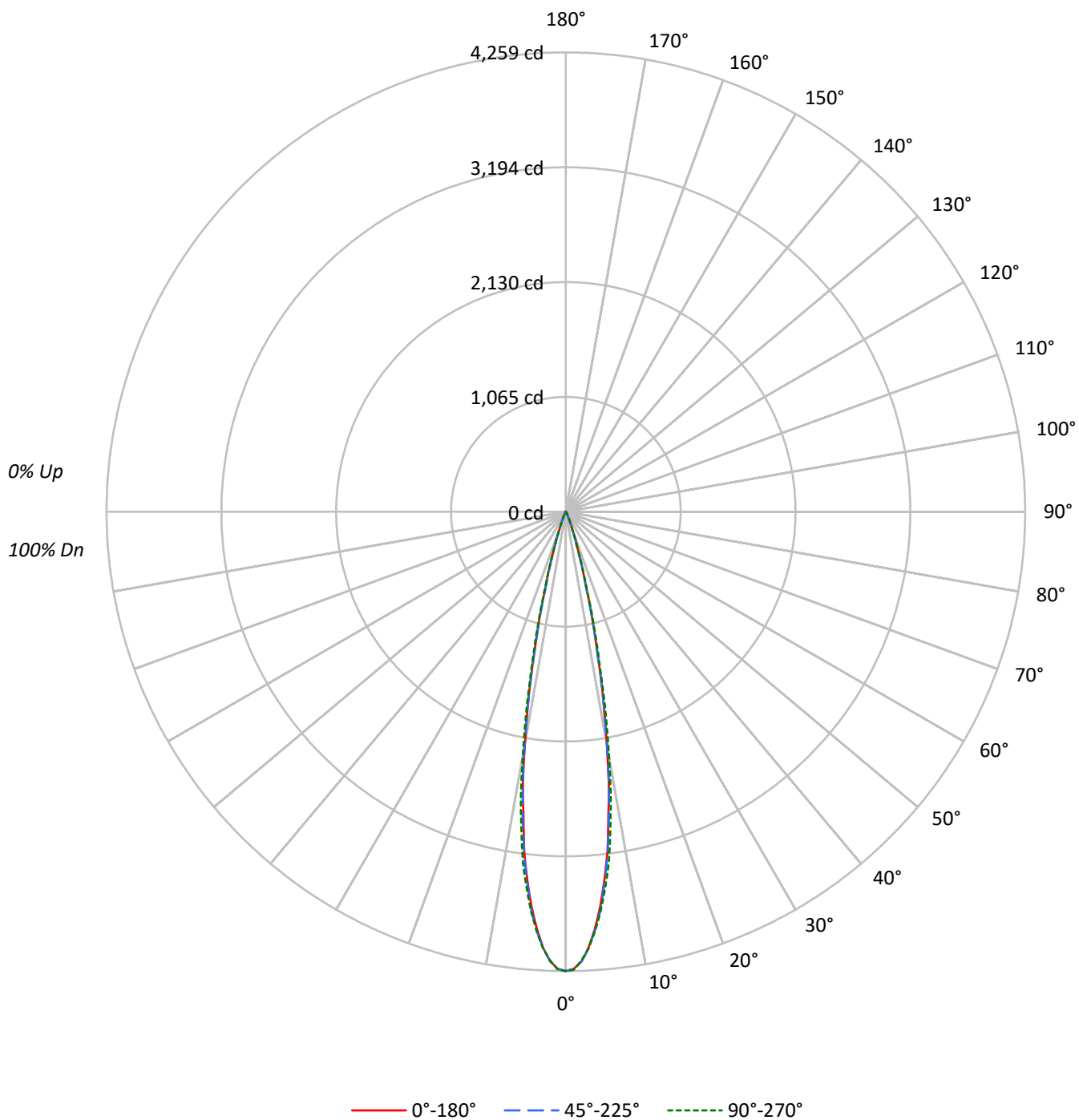
Lumens per Lamp: N/A
Luminaire Lumens: 572.0 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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°	733445	733445	733445
5°	633607	639520	641888
10°	381430	384997	404146
15°	131923	128838	139108
20°	34657	32586	32696
25°	7544	9102	10356
30°	3242	3242	3341
35°	1829	1598	1724
40°	809	922	1034
45°	244	365	365
50°	134	134	134
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: 365 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.6	53.3
10°-20°	231.9	40.5
20°-30°	28.7	5.0
30°-40°	5.4	0.9
40°-50°	1.3	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°	565.2	98.8
0°-40°	570.6	99.8
0°-60°	572.0	100.0
0°-90°	572.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	572.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4259	4259	4259	4259	4259	
5°	3665	3662	3699	3697	3713	302
15°	740	713	723	766	780	232
25°	40	45	48	50	54	27
35°	9	9	8	8	8	6
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°	4258.7	4258.7	4258.7	4258.7	4258.7
1°	4238.8	4233.7	4237.8	4229.2	4247.0
2°	4171.1	4166.0	4166.0	4160.9	4163.4
3°	4044.7	4052.8	4047.7	4037.0	4050.8
4°	3872.4	3881.6	3889.8	3890.3	3892.3
5°	3665.0	3662.5	3699.2	3696.6	3712.9
6°	3428.6	3425.5	3441.3	3467.8	3500.4
7°	3168.7	3131.5	3173.8	3227.3	3271.1
8°	2832.3	2842.0	2871.1	2934.3	2969.4
9°	2547.0	2490.4	2552.1	2627.5	2665.7
10°	2181.1	2135.2	2201.5	2281.0	2311.0
12.5°	1372.9	1333.1	1354.5	1438.1	1451.3
15°	739.9	713.4	722.6	765.9	780.2
17.5°	377.6	353.7	348.6	376.1	379.1
20°	189.1	183.5	177.8	180.4	178.4
22.5°	87.7	95.3	94.3	89.2	95.3
25°	39.7	45.4	47.9	49.9	54.5
27.5°	24.5	23.4	27.0	29.0	29.6
30°	16.3	15.8	16.3	16.8	16.8
32.5°	11.7	11.2	10.7	10.7	11.2
35°	8.7	8.7	7.6	8.2	8.2
37.5°	6.1	6.1	5.6	6.1	6.1
40°	3.6	4.1	4.1	4.1	4.6
42.5°	2.0	2.5	2.5	2.5	2.5
45°	1.0	1.5	1.5	1.5	1.5
47.5°	0.5	0.5	0.5	1.0	1.0
50°	0.5	0.5	0.5	0.5	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
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)