

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: P1311450

Luminaire Tested: LDSQA3D13R209040DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311450
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: LDSQA3D13R209040DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

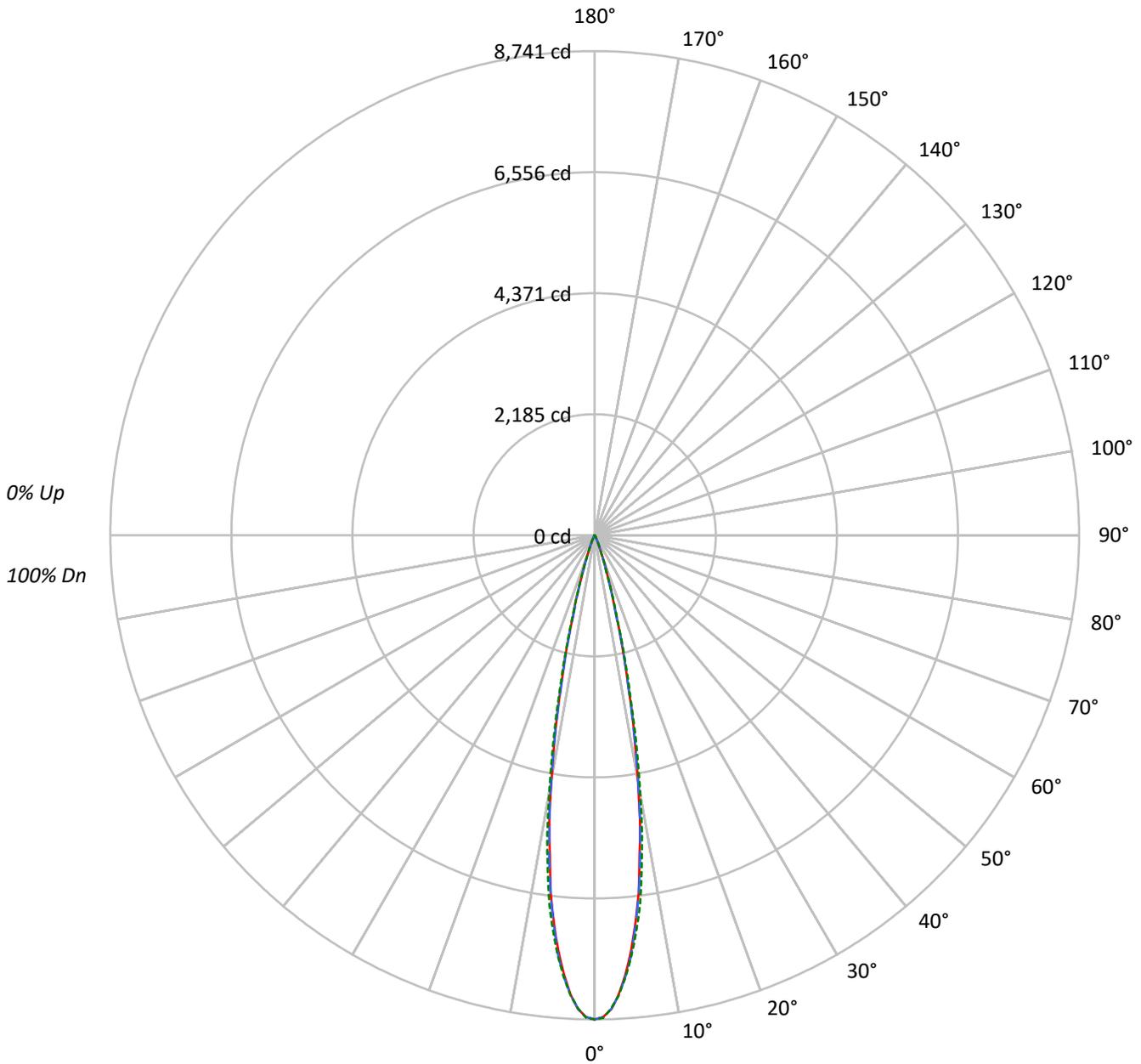
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1174.0 lumens
Efficiency: N/A
Efficacy: 80.4 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): 14.6
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



— 0°-180° - - 45°-225° ··· 90°-270°



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1505364	1505364	1505364
5°	1300459	1312578	1317453
10°	782848	790175	829506
15°	270781	264434	285509
20°	71111	66896	67097
25°	15506	18680	21264
30°	6662	6662	6861
35°	3742	3301	3511
40°	1641	1888	2113
45°	511	755	755
50°	268	268	268
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: 755 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	625.2	53.3
10°-20°	476.0	40.5
20°-30°	58.9	5.0
30°-40°	11.1	0.9
40°-50°	2.7	0.2
50°-60°	0.2	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°	1160.0	98.8
0°-40°	1171.2	99.8
0°-60°	1174.0	100.0
0°-90°	1174.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1174.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8741	8741	8741	8741	8741	
5°	7522	7517	7592	7587	7621	620
15°	1519	1464	1483	1572	1601	476
25°	82	93	98	102	112	56
35°	18	18	16	17	17	11
45°	2	3	3	3	3	2
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°	8740.8	8740.8	8740.8	8740.8	8740.8
1°	8700.0	8689.5	8697.9	8680.1	8716.7
2°	8560.9	8550.4	8550.4	8540.0	8545.2
3°	8301.5	8318.2	8307.8	8285.8	8314.0
4°	7948.0	7966.8	7983.5	7984.6	7988.8
5°	7522.3	7517.0	7592.4	7587.1	7620.6
6°	7037.0	7030.7	7063.1	7117.5	7184.4
7°	6503.5	6427.2	6514.0	6623.8	6713.8
8°	5813.2	5833.1	5892.7	6022.4	6094.6
9°	5227.5	5111.4	5238.0	5392.8	5471.2
10°	4476.5	4382.4	4518.4	4681.5	4743.3
12.5°	2817.7	2736.1	2780.1	2951.6	2978.8
15°	1518.7	1464.3	1483.1	1572.0	1601.3
17.5°	775.0	725.9	715.4	771.9	778.2
20°	388.0	376.5	365.0	370.3	366.1
22.5°	179.9	195.6	193.5	183.0	195.6
25°	81.6	93.1	98.3	102.5	111.9
27.5°	50.2	48.1	55.4	59.6	60.7
30°	33.5	32.4	33.5	34.5	34.5
32.5°	24.1	23.0	22.0	22.0	23.0
35°	17.8	17.8	15.7	16.7	16.7
37.5°	12.6	12.6	11.5	12.6	12.6
40°	7.3	8.4	8.4	8.4	9.4
42.5°	4.2	5.2	5.2	5.2	5.2
45°	2.1	3.1	3.1	3.1	3.1
47.5°	1.0	1.0	1.0	2.1	2.1
50°	1.0	1.0	1.0	1.0	1.0
52.5°	1.0	0.0	0.0	0.0	1.0
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)