

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: P1307769

Luminaire Tested: LDSQA3D05R209027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307769
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: LDSQA3D05R209027DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

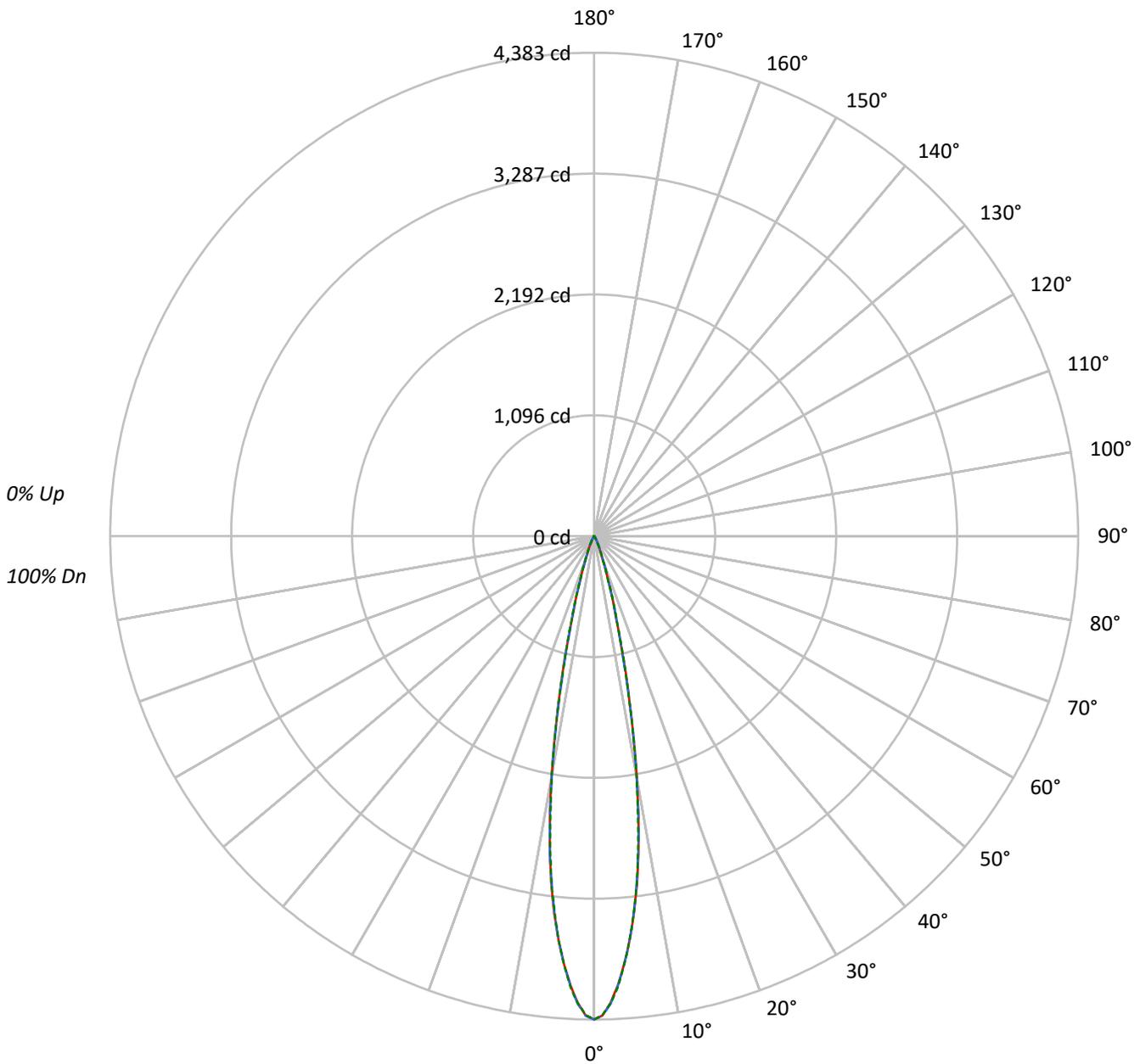
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 604.0 lumens
Efficiency: N/A
Efficacy: 83.9 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): 7.2
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% Up
100% Dn

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	754852	754852	754852
5°	636218	636460	636148
10°	387708	385906	386798
15°	136558	137147	141390
20°	42905	44114	43161
25°	16076	17577	16513
30°	6224	8830	6503
35°	2355	3932	2565
40°	1259	1686	1259
45°	463	804	560
50°	241	375	241
55°	270	270	270
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: 804 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.3	50.4
10°-20°	238.6	39.5
20°-30°	46.8	7.8
30°-40°	10.5	1.7
40°-50°	2.4	0.4
50°-60°	0.7	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°	589.7	97.6
0°-40°	600.2	99.4
0°-60°	603.3	99.9
0°-90°	604.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	604.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4383	4383	4383	4383	4383	
5°	3680	3683	3682	3694	3680	305
15°	766	769	769	786	793	238
25°	85	90	92	91	87	45
35°	11	14	19	14	12	8
45°	2	3	3	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4383.0	4383.0	4383.0	4383.0	4383.0
1°	4347.5	4338.1	4348.9	4340.5	4342.3
2°	4234.8	4229.7	4243.7	4234.8	4239.5
3°	4078.3	4071.7	4082.0	4082.5	4095.6
4°	3891.4	3878.7	3894.2	3894.6	3897.0
5°	3680.1	3683.4	3681.5	3694.1	3679.7
6°	3442.7	3453.5	3439.5	3446.5	3426.4
7°	3177.3	3163.7	3156.7	3159.1	3173.1
8°	2884.3	2874.9	2885.2	2870.7	2860.9
9°	2558.6	2542.2	2553.4	2539.4	2525.4
10°	2217.0	2209.5	2206.7	2190.8	2211.8
11°	1874.4	1852.0	1863.2	1855.3	1878.2
12°	1553.8	1555.7	1533.7	1540.7	1543.6
13°	1264.6	1234.7	1238.4	1257.6	1260.8
14°	980.9	985.1	986.5	1000.1	1008.0
15°	765.9	769.2	769.2	786.0	793.0
17.5°	410.8	410.8	419.7	421.5	422.5
20°	234.1	235.5	240.7	240.2	235.5
22.5°	140.2	143.0	145.8	143.0	140.2
25°	84.6	90.2	92.5	91.1	86.9
27.5°	50.5	56.5	63.1	57.9	50.0
30°	31.3	34.6	44.4	35.5	32.7
32.5°	17.3	22.4	30.4	23.4	17.8
35°	11.2	13.6	18.7	13.6	12.2
37.5°	7.9	9.3	11.7	9.8	8.4
40°	5.6	6.5	7.5	7.0	5.6
42.5°	3.7	4.7	5.1	4.7	3.7
45°	1.9	2.8	3.3	2.8	2.3
47.5°	0.9	1.4	2.3	1.4	0.9
50°	0.9	0.9	1.4	0.9	0.9
52.5°	0.9	0.9	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.9	0.9	0.5	0.9	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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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)