

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: P1312211

Luminaire Tested: LDSQA3D05R209050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312211
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: LDSQA3D05R209050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

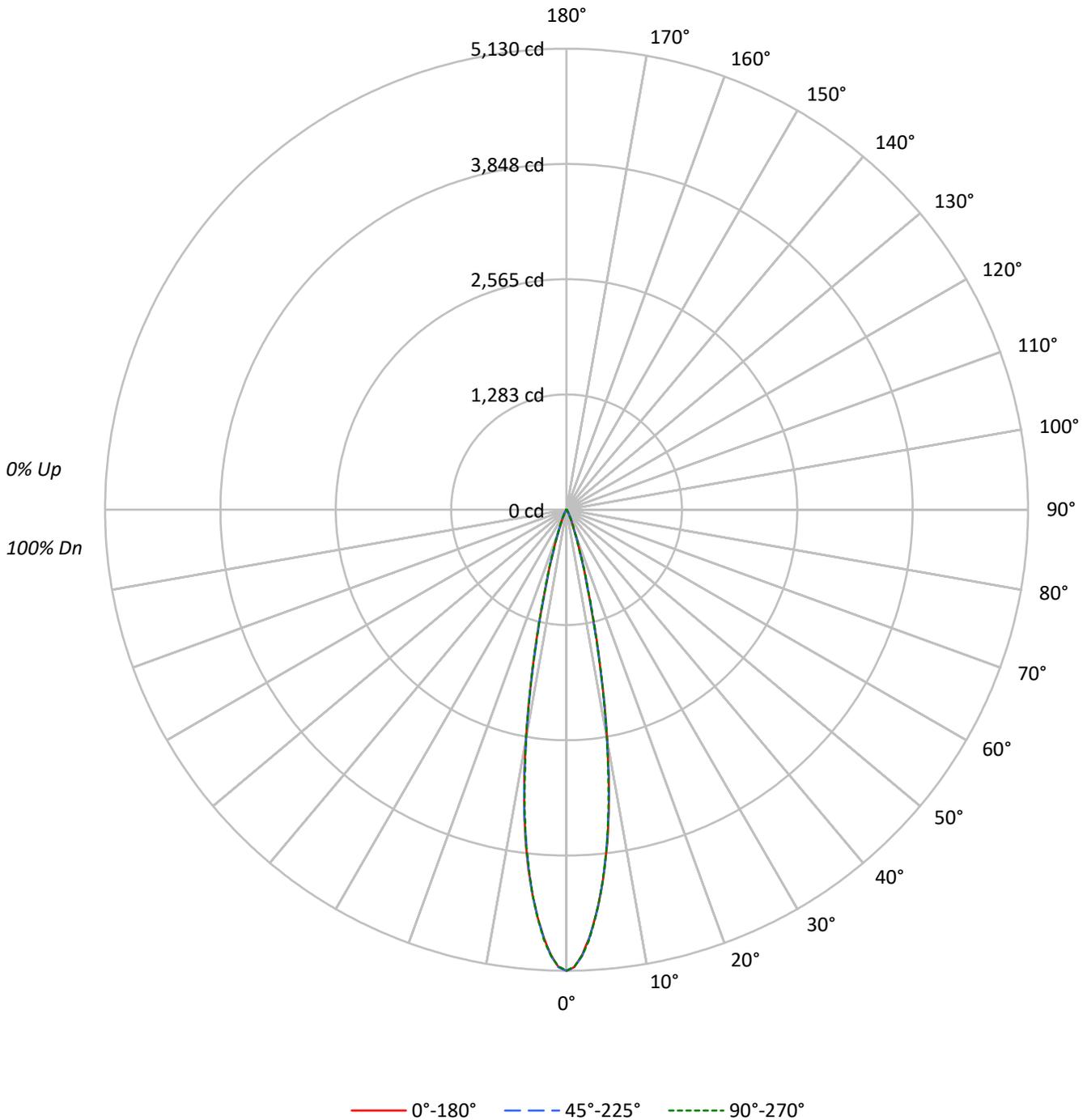
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 706.9 lumens
Efficiency: N/A
Efficacy: 98.2 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): 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





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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	883571	883571	883571
5°	744717	744994	744631
10°	453812	451714	452763
15°	159844	160540	165514
20°	50236	51629	50529
25°	18813	20580	19326
30°	7278	10341	7617
35°	2754	4604	2985
40°	1484	1978	1484
45°	536	926	658
50°	295	429	295
55°	330	330	330
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: 926 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.1	50.4
10°-20°	279.3	39.5
20°-30°	54.8	7.8
30°-40°	12.3	1.7
40°-50°	2.8	0.4
50°-60°	0.9	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°	690.2	97.6
0°-40°	702.6	99.4
0°-60°	706.2	99.9
0°-90°	706.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	706.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5130	5130	5130	5130	5130	
5°	4308	4312	4309	4324	4307	357
15°	896	900	900	920	928	279
25°	99	106	108	107	102	52
35°	13	16	22	16	14	10
45°	2	3	4	3	3	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°	5130.4	5130.4	5130.4	5130.4	5130.4
1°	5088.8	5077.9	5090.5	5080.6	5082.8
2°	4957.0	4951.0	4967.4	4957.0	4962.5
3°	4773.8	4766.1	4778.1	4778.7	4794.0
4°	4555.0	4540.2	4558.2	4558.8	4561.5
5°	4307.7	4311.5	4309.3	4324.1	4307.2
6°	4029.8	4042.4	4026.0	4034.2	4010.7
7°	3719.1	3703.3	3695.1	3697.8	3714.2
8°	3376.1	3365.2	3377.2	3360.3	3348.8
9°	2994.9	2975.7	2988.9	2972.5	2956.0
10°	2595.0	2586.3	2583.0	2564.4	2589.0
11°	2194.1	2167.8	2180.9	2171.6	2198.4
12°	1818.8	1821.0	1795.3	1803.5	1806.8
13°	1480.2	1445.2	1449.6	1472.0	1475.8
14°	1148.2	1153.1	1154.7	1170.6	1179.9
15°	896.5	900.4	900.4	920.1	928.3
17.5°	480.8	480.8	491.2	493.4	494.5
20°	274.1	275.7	281.7	281.2	275.7
22.5°	164.1	167.4	170.7	167.4	164.1
25°	99.0	105.6	108.3	106.7	101.7
27.5°	59.1	66.2	73.8	67.8	58.5
30°	36.6	40.5	52.0	41.6	38.3
32.5°	20.2	26.3	35.6	27.4	20.8
35°	13.1	15.9	21.9	15.9	14.2
37.5°	9.3	10.9	13.7	11.5	9.8
40°	6.6	7.7	8.8	8.2	6.6
42.5°	4.4	5.5	6.0	5.5	4.4
45°	2.2	3.3	3.8	3.3	2.7
47.5°	1.1	1.6	2.7	1.6	1.1
50°	1.1	1.1	1.6	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	0.5	1.1	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)