

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: P1313413

Luminaire Tested: LDSQA3D05R559727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R559727DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

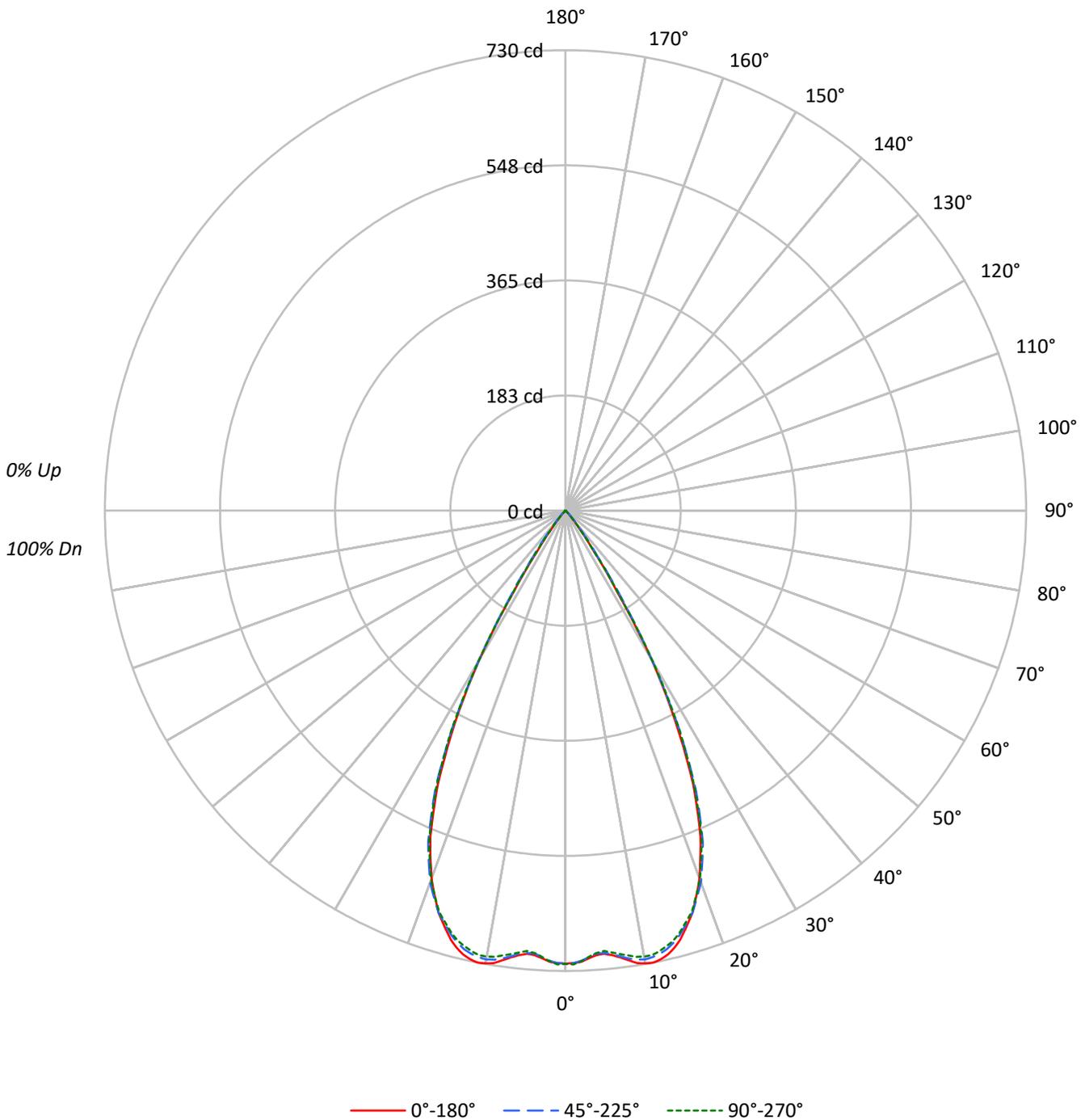
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 551.0 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
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 (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				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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	123742	123742	123742
5°	121967	121760	121172
10°	127487	126385	125581
15°	125504	124381	123846
20°	113796	114950	114107
25°	91004	92904	92030
30°	54569	54569	55245
35°	15768	18670	16294
40°	4519	6115	4519
45°	1023	2338	1023
50°	455	777	348
55°	390	390	390
60°	448	448	448
65°	326	326	326
70°	403	403	403
75°	266	266	266
80°	397	397	397
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2338 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.1	12.4
10°-20°	194.2	35.2
20°-30°	213.9	38.8
30°-40°	65.4	11.9
40°-50°	6.5	1.2
50°-60°	1.2	0.2
60°-70°	0.9	0.2
70°-80°	0.5	0.1
80°-90°	0.2	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°	476.2	86.4
0°-40°	541.7	98.3
0°-60°	549.4	99.7
0°-90°	551.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	551.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	718	718	718	718	718	
5°	706	706	704	702	701	68
15°	704	703	698	695	695	195
25°	479	484	489	494	484	211
35°	75	79	89	82	78	61
45°	4	6	10	6	4	5
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
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°	718.5	718.5	718.5	718.5	718.5
1°	717.7	718.1	717.7	716.8	719.8
2°	716.0	715.6	714.3	713.9	715.2
3°	710.6	710.6	708.9	708.0	708.5
4°	706.4	706.4	703.9	703.0	703.4
5°	705.5	705.5	704.3	702.2	700.9
6°	708.9	709.7	706.8	704.7	704.7
7°	713.9	714.3	712.2	709.3	708.5
8°	720.2	720.6	717.3	713.9	712.2
9°	726.5	725.6	721.0	717.7	716.4
10°	729.0	728.6	722.7	719.4	718.1
11°	730.2	728.2	721.5	718.5	718.1
12°	727.3	725.6	718.5	715.6	714.3
13°	722.3	719.8	713.9	711.0	709.3
14°	714.3	711.8	706.4	703.0	703.4
15°	703.9	702.6	697.6	694.6	694.6
17.5°	669.1	669.9	668.7	667.4	666.6
20°	620.9	624.3	627.2	625.5	622.6
22.5°	559.3	565.2	568.5	569.4	563.9
25°	478.9	483.5	488.9	493.5	484.3
27.5°	378.7	382.9	388.0	390.9	389.6
30°	274.4	274.8	274.4	279.9	277.8
32.5°	152.5	165.1	167.2	170.9	157.5
35°	75.0	78.8	88.8	81.7	77.5
37.5°	36.0	38.5	48.2	39.4	37.7
40°	20.1	21.8	27.2	22.6	20.1
42.5°	9.6	12.6	14.7	13.0	9.6
45°	4.2	6.3	9.6	6.3	4.2
47.5°	1.7	2.5	5.9	2.5	1.7
50°	1.7	1.3	2.9	1.3	1.3
52.5°	1.3	1.3	1.7	1.3	1.3
55°	1.3	1.3	1.3	1.3	1.3
57.5°	1.3	1.3	1.3	1.3	1.3
60°	1.3	1.3	1.3	1.3	1.3
62.5°	0.8	1.3	1.3	1.3	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.4	0.8	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
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)