

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: P1314385

Luminaire Tested: LDSQA3D05R559730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314385  
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: LDSQA3D05R559730DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

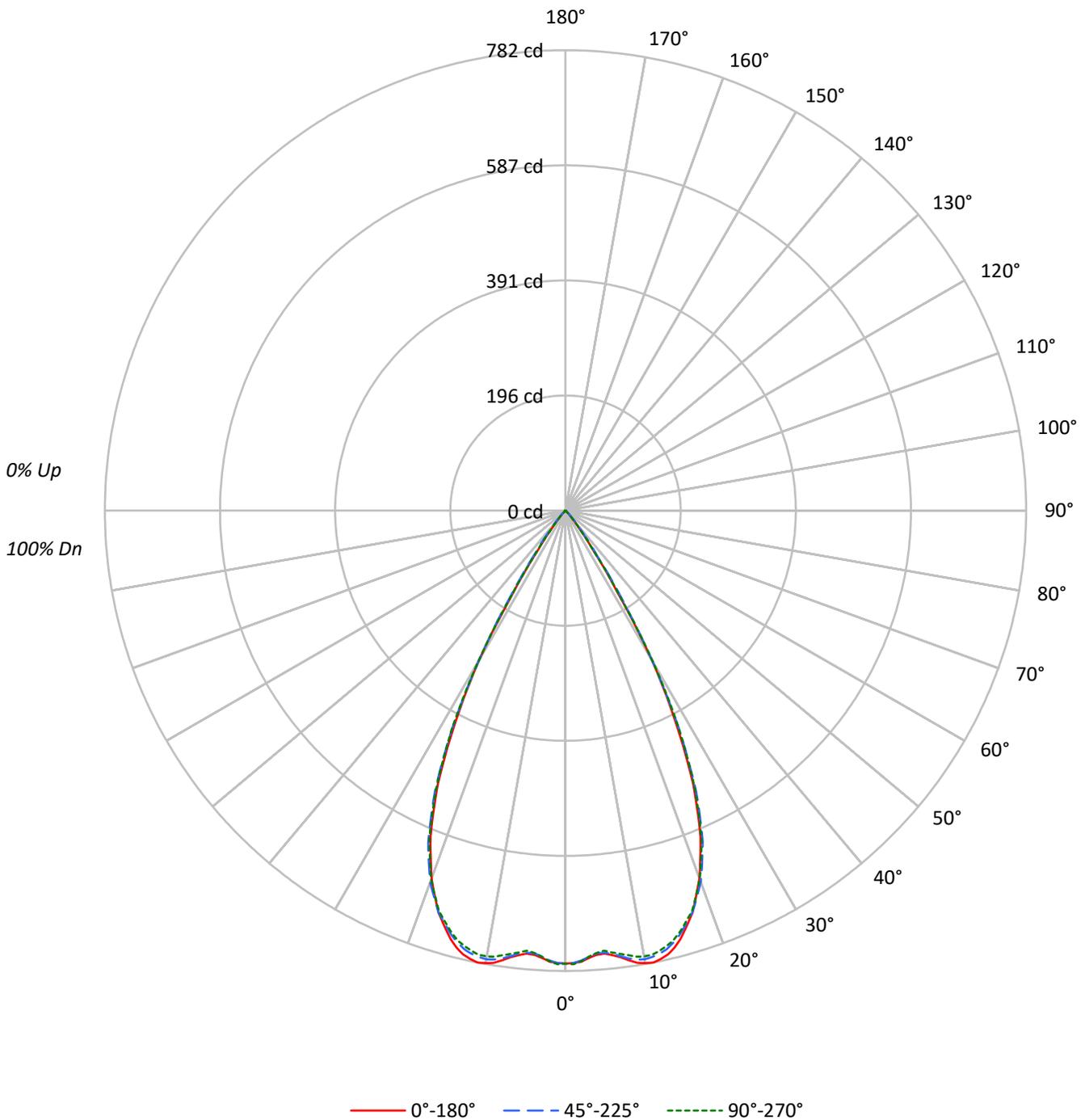
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 589.9 lumens  
Efficiency: N/A  
Efficacy: 81.9 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 (A<sub>in</sub>): 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	80	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°	132508	132508	132508
5°	130611	130369	129747
10°	136511	135339	134465
15°	134383	133171	132618
20°	121842	123088	122171
25°	97446	99479	98548
30°	58427	58427	59143
35°	16883	19994	17450
40°	4834	6565	4834
45°	1096	2509	1096
50°	482	831	348
55°	390	390	390
60°	448	448	448
65°	367	367	367
70°	453	453	453
75°	266	266	266
80°	397	397	397
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2509 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.9	12.4
10°-20°	207.9	35.2
20°-30°	229.1	38.8
30°-40°	70.1	11.9
40°-50°	6.9	1.2
50°-60°	1.2	0.2
60°-70°	1.0	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°	509.9	86.4
0°-40°	580.0	98.3
0°-60°	588.2	99.7
0°-90°	589.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	589.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	769	769	769	769	769	
5°	756	756	754	752	750	73
15°	754	752	747	744	744	209
25°	513	518	524	528	519	226
35°	80	84	95	88	83	66
45°	4	7	10	7	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°	769.4	769.4	769.4	769.4	769.4
1°	768.5	768.9	768.5	767.6	770.7
2°	766.7	766.2	764.9	764.4	765.8
3°	760.9	760.9	759.1	758.2	758.6
4°	756.4	756.4	753.7	752.8	753.2
5°	755.5	755.5	754.1	751.9	750.5
6°	759.1	760.0	756.8	754.6	754.6
7°	764.4	764.9	762.6	759.5	758.6
8°	771.2	771.6	768.0	764.4	762.6
9°	777.9	777.0	772.1	768.5	767.1
10°	780.6	780.1	773.9	770.3	768.9
11°	781.9	779.7	772.5	769.4	768.9
12°	778.8	777.0	769.4	766.2	764.9
13°	773.4	770.7	764.4	761.3	759.5
14°	764.9	762.2	756.4	752.8	753.2
15°	753.7	752.3	746.9	743.8	743.8
17.5°	716.4	717.3	716.0	714.6	713.7
20°	664.8	668.4	671.6	669.8	666.6
22.5°	598.9	605.2	608.8	609.7	603.8
25°	512.8	517.7	523.5	528.5	518.6
27.5°	405.5	410.0	415.4	418.6	417.2
30°	293.8	294.3	293.8	299.7	297.4
32.5°	163.3	176.8	179.0	183.0	168.7
35°	80.3	84.3	95.1	87.5	83.0
37.5°	38.6	41.3	51.6	42.2	40.4
40°	21.5	23.3	29.2	24.2	21.5
42.5°	10.3	13.5	15.7	13.9	10.3
45°	4.5	6.7	10.3	6.7	4.5
47.5°	1.8	2.7	6.3	2.7	1.8
50°	1.8	1.3	3.1	1.3	1.3
52.5°	1.3	1.3	1.8	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°	0.9	1.3	1.3	1.3	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.4	0.9	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)