

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: P1308980

Luminaire Tested: LDSQA3D05R559030DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308980  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R559030DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

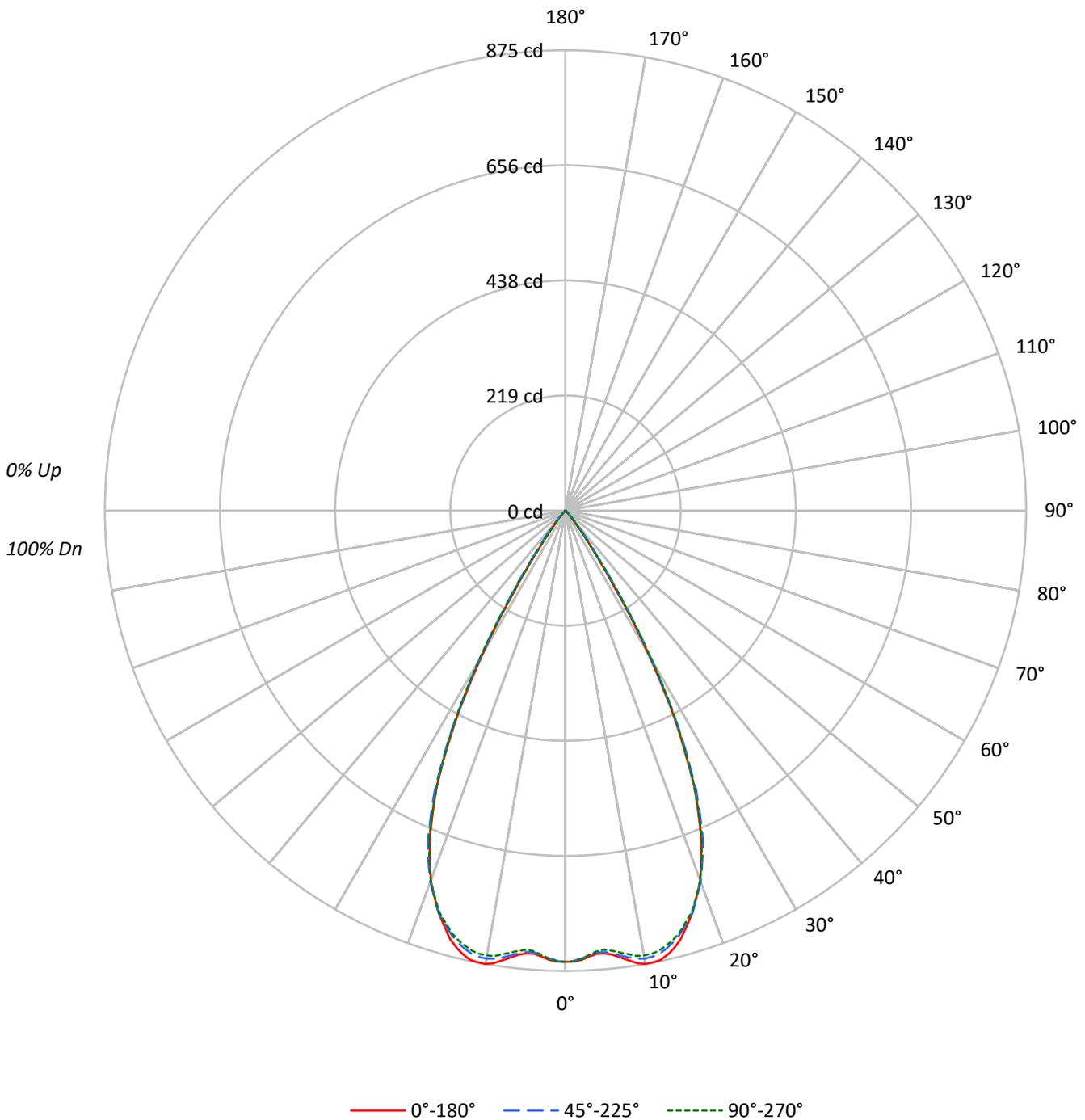
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 652.0 lumens  
Efficiency: N/A  
Efficacy: 90.6 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
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				
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	112	109	107	112	109	107	106	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	93	91	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	147698	147698	147698
5°	146015	145583	144805
10°	153037	151201	150151
15°	150501	148897	148362
20°	137090	137640	137182
25°	109968	111698	109968
30°	63120	64711	65208
35°	17997	21676	18523
40°	4609	6632	4721
45°	487	2314	365
50°	0	402	0
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: 45°  
 Vertical Angle: 45°  
 Luminance: 2314 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.4	12.5
10°-20°	232.4	35.6
20°-30°	255.9	39.3
30°-40°	76.4	11.7
40°-50°	5.9	0.9
50°-60°	0.0	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°	569.7	87.4
0°-40°	646.1	99.1
0°-60°	652.0	100.0
0°-90°	652.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	652.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	858	858	858	858	858	
5°	845	843	842	839	838	82
15°	844	838	835	832	832	234
25°	579	579	588	587	579	253
35°	86	91	103	94	88	71
45°	2	5	10	5	2	4
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°	857.6	857.6	857.6	857.6	857.6
1°	857.1	857.1	856.1	855.6	857.1
2°	854.6	854.6	852.1	851.6	853.1
3°	849.1	848.6	846.6	845.1	846.1
4°	844.6	843.6	842.1	839.6	840.1
5°	844.6	843.1	842.1	838.6	837.6
6°	848.6	847.6	845.6	842.1	841.1
7°	855.6	853.6	851.6	847.1	846.1
8°	863.1	861.6	857.6	853.1	851.1
9°	870.6	867.1	862.1	857.6	857.1
10°	875.1	870.1	864.6	859.1	858.6
11°	874.6	870.1	863.6	858.6	858.1
12°	872.6	866.1	860.6	854.6	855.1
13°	865.6	859.6	854.1	849.6	848.6
14°	856.1	850.6	845.6	841.1	841.6
15°	844.1	838.1	835.1	831.6	832.1
17.5°	801.5	800.0	801.5	797.5	799.0
20°	748.0	746.5	751.0	749.0	748.5
22.5°	673.4	675.4	683.9	681.4	676.9
25°	578.7	578.7	587.8	586.8	578.7
27.5°	455.6	459.1	464.6	467.1	461.1
30°	317.4	325.4	325.4	330.4	327.9
32.5°	177.2	194.3	198.3	200.8	190.7
35°	85.6	91.1	103.1	94.1	88.1
37.5°	41.1	43.6	55.6	45.1	42.1
40°	20.5	23.5	29.5	24.5	21.0
42.5°	8.5	12.5	15.5	12.5	8.5
45°	2.0	5.0	9.5	5.0	1.5
47.5°	0.0	0.5	4.5	1.0	0.0
50°	0.0	0.0	1.5	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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



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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)