

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: P1310100

Luminaire Tested: LDSQA3D05R559035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310100  
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: LDSQA3D05R559035DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

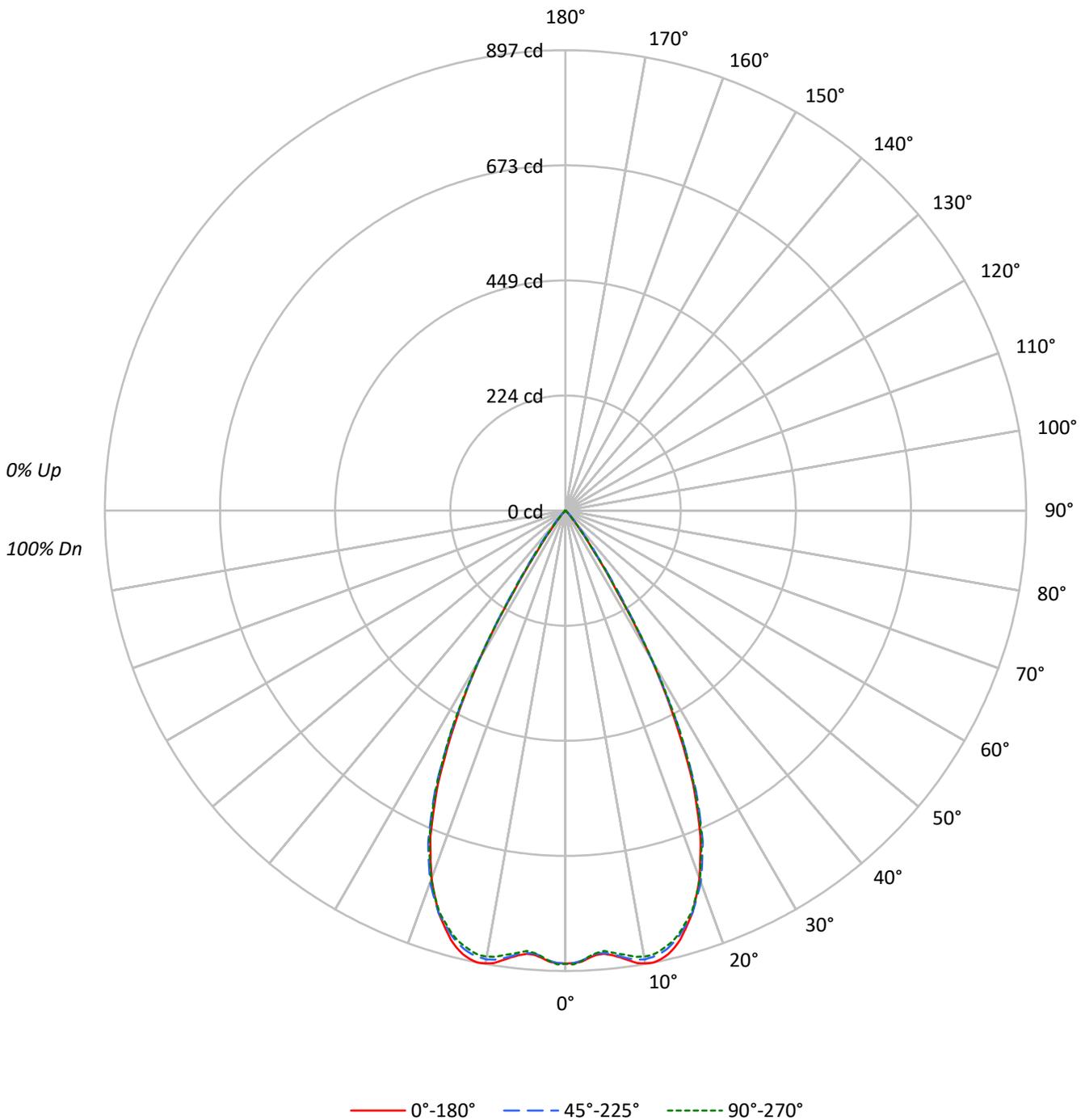
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 676.9 lumens  
Efficiency: N/A  
Efficacy: 94.0 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°	152038	152038	152038
5°	149870	149593	148885
10°	156640	155293	154296
15°	154192	152819	152177
20°	139821	141232	140187
25°	111812	114149	113085
30°	67057	67057	67873
35°	19364	22938	20015
40°	5553	7531	5553
45°	1242	2874	1242
50°	563	965	402
55°	450	450	450
60°	517	517	517
65°	408	408	408
70°	504	504	504
75°	333	333	333
80°	496	496	496
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2874 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.7	12.4
10°-20°	238.6	35.2
20°-30°	262.9	38.8
30°-40°	80.4	11.9
40°-50°	7.9	1.2
50°-60°	1.4	0.2
60°-70°	1.1	0.2
70°-80°	0.6	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°	585.1	86.4
0°-40°	665.5	98.3
0°-60°	674.9	99.7
0°-90°	676.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	676.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	883	883	883	883	883	
5°	867	867	865	863	861	84
15°	865	863	857	854	854	240
25°	588	594	601	606	595	259
35°	92	97	109	100	95	76
45°	5	8	12	8	5	6
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	882.8	882.8	882.8	882.8	882.8
1°	881.8	882.3	881.8	880.8	884.4
2°	879.7	879.2	877.7	877.2	878.7
3°	873.0	873.0	871.0	870.0	870.5
4°	867.9	867.9	864.8	863.8	864.3
5°	866.9	866.9	865.3	862.7	861.2
6°	871.0	872.0	868.4	865.8	865.8
7°	877.2	877.7	875.1	871.5	870.5
8°	884.9	885.4	881.3	877.2	875.1
9°	892.6	891.6	885.9	881.8	880.3
10°	895.7	895.2	888.0	883.9	882.3
11°	897.2	894.7	886.4	882.8	882.3
12°	893.6	891.6	882.8	879.2	877.7
13°	887.5	884.4	877.2	873.6	871.5
14°	877.7	874.6	867.9	863.8	864.3
15°	864.8	863.3	857.1	853.5	853.5
17.5°	822.1	823.1	821.6	820.0	819.0
20°	762.9	767.0	770.6	768.5	764.9
22.5°	687.2	694.4	698.5	699.6	692.9
25°	588.4	594.0	600.7	606.4	595.1
27.5°	465.3	470.5	476.7	480.3	478.7
30°	337.2	337.7	337.2	343.9	341.3
32.5°	187.4	202.8	205.4	210.0	193.6
35°	92.1	96.8	109.1	100.4	95.2
37.5°	44.3	47.4	59.2	48.4	46.3
40°	24.7	26.8	33.5	27.8	24.7
42.5°	11.8	15.4	18.0	16.0	11.8
45°	5.1	7.7	11.8	7.7	5.1
47.5°	2.1	3.1	7.2	3.1	2.1
50°	2.1	1.5	3.6	1.5	1.5
52.5°	1.5	1.5	2.1	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.0	1.5	1.5	1.5	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0
72.5°	0.5	1.0	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5
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)