

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: P1314274

Luminaire Tested: LDSQA3D05R159730DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314274  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R159730DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

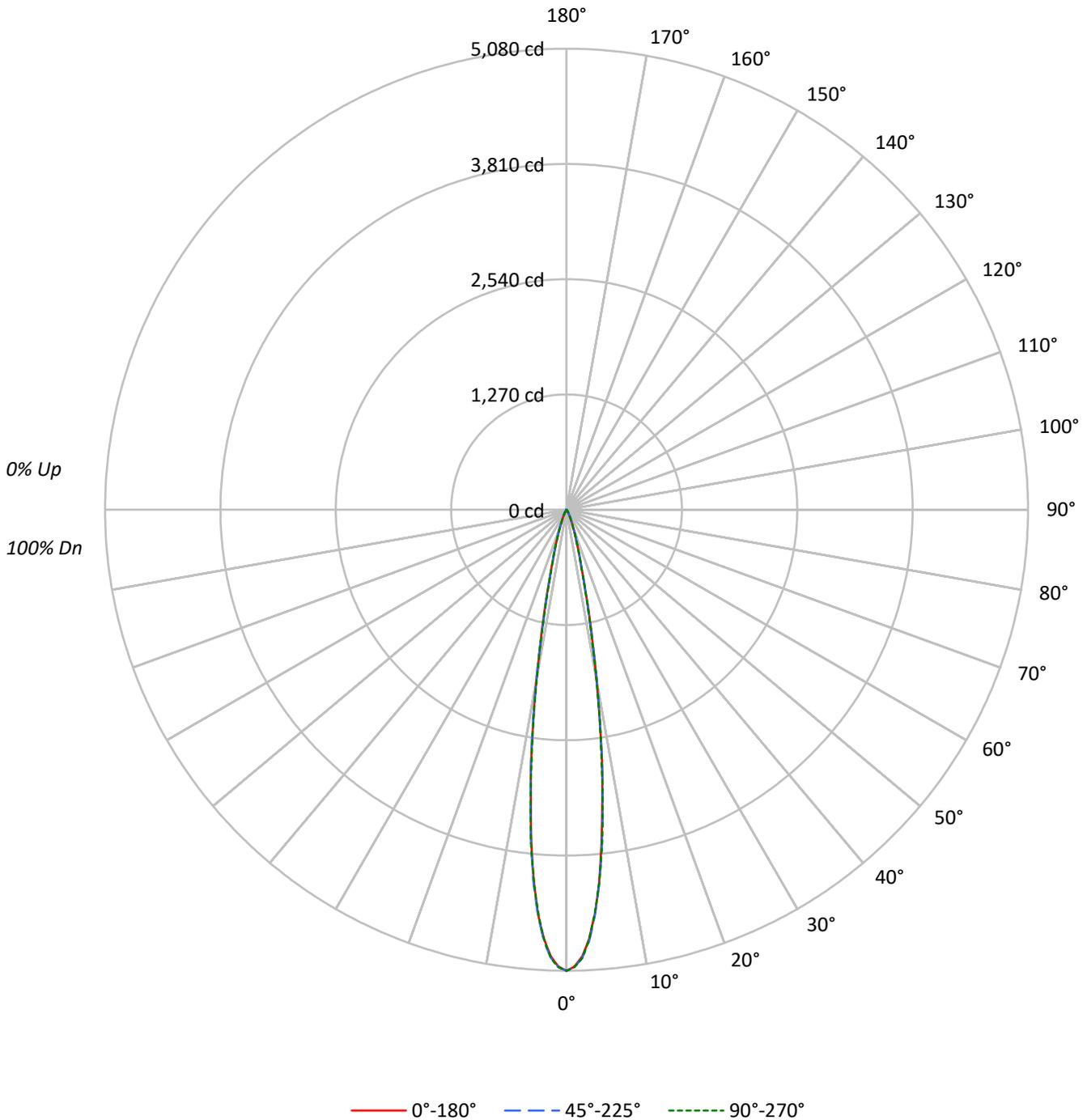
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 567.0 lumens  
Efficiency: N/A  
Efficacy: 78.7 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29  
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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	98	96	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	95	93	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	90	88	87	86
9	97	92	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	89	87	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	88	85	84	83

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

	0°	45°	90°
0°	874943	874943	874943
5°	712371	714688	713288
10°	332306	335279	331047
15°	104358	105231	104590
20°	41347	42996	40027
25°	16703	20200	16114
30°	6682	9188	6324
35°	1976	4058	1892
40°	607	1506	495
45°	97	317	97
50°	0	107	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: 317 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.1	56.1
10°-20°	190.2	33.6
20°-30°	48.0	8.5
30°-40°	9.8	1.7
40°-50°	0.9	0.2
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°	556.3	98.1
0°-40°	566.1	99.8
0°-60°	567.0	100.0
0°-90°	567.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	567.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5080	5080	5080	5080	5080	
5°	4121	4113	4134	4124	4126	317
15°	585	590	590	582	587	190
25°	88	96	106	94	85	45
35°	9	13	19	12	9	8
45°	0	1	1	1	0	0
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°	5080.3	5080.3	5080.3	5080.3	5080.3
1°	5034.6	5051.6	5042.6	5049.8	5041.7
2°	4925.6	4948.4	4941.3	4939.0	4945.3
3°	4733.6	4760.1	4759.2	4752.5	4741.7
4°	4471.7	4461.0	4477.6	4475.8	4457.4
5°	4120.6	4112.9	4134.0	4123.7	4125.9
6°	3690.9	3724.1	3716.9	3717.8	3726.4
7°	3229.5	3247.4	3262.6	3275.2	3257.7
8°	2805.6	2801.2	2802.5	2816.9	2768.4
9°	2331.2	2359.0	2341.0	2312.3	2330.7
10°	1900.2	1917.2	1917.2	1892.1	1893.0
11°	1514.9	1528.8	1519.0	1525.3	1485.8
12°	1221.2	1186.7	1178.6	1184.9	1184.4
13°	932.4	934.6	932.4	931.9	927.4
14°	731.0	742.7	737.7	725.6	720.2
15°	585.3	590.2	590.2	581.7	586.6
17.5°	351.6	357.4	358.8	352.9	352.9
20°	225.6	228.3	234.6	226.0	218.4
22.5°	139.0	144.9	155.6	143.1	136.8
25°	87.9	96.0	106.3	94.2	84.8
27.5°	55.2	61.9	70.9	59.2	53.4
30°	33.6	38.1	46.2	37.2	31.8
32.5°	18.8	22.4	29.2	21.5	17.9
35°	9.4	12.6	19.3	12.1	9.0
37.5°	5.4	6.7	12.1	5.8	4.9
40°	2.7	3.6	6.7	3.6	2.2
42.5°	0.9	1.8	2.7	1.8	0.9
45°	0.4	0.9	1.3	0.9	0.4
47.5°	0.0	0.0	0.4	0.0	0.0
50°	0.0	0.0	0.4	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)