

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: P1316220

Luminaire Tested: LDSQA3D05R159740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316220  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R159740DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

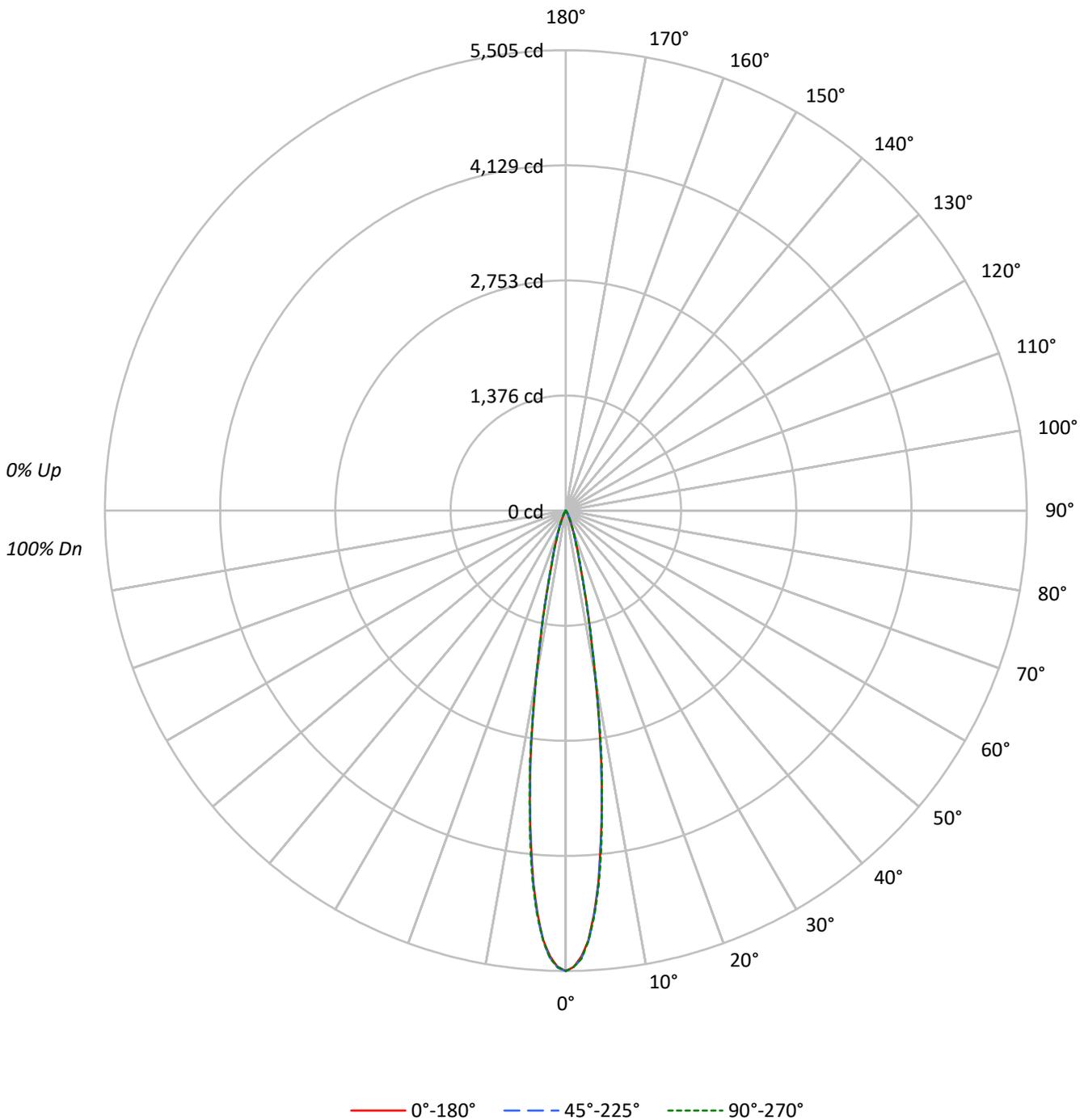
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 618.0 lumens  
Efficiency: N/A  
Efficacy: 85.8 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 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 (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				
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	105	104	103	102	101	100	99	99	98	99	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	91	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	93	91	89	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	88	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	86	90	88	86	90	88	86	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	85	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83

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

	0°	45°	90°
0°	948086	948086	948086
5°	770926	773606	776303
10°	359028	359377	357419
15°	111080	115074	112898
20°	44279	46772	43748
25°	18528	21853	17615
30°	7517	10043	6940
35°	2439	4583	2250
40°	877	1844	877
45°	365	585	365
50°	268	402	268
55°	300	300	300
60°	344	344	344
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 585 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	344.6	55.8
10°-20°	206.0	33.3
20°-30°	52.4	8.5
30°-40°	11.4	1.8
40°-50°	1.8	0.3
50°-60°	0.9	0.1
60°-70°	0.6	0.1
70°-80°	0.3	0.1
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°	603.0	97.6
0°-40°	614.4	99.4
0°-60°	617.2	99.9
0°-90°	618.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	618.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5505	5505	5505	5505	5505	
5°	4459	4466	4475	4454	4490	344
15°	623	640	645	636	633	205
25°	98	104	115	102	93	50
35°	12	15	22	15	11	9
45°	2	2	2	2	2	1
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
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°	5505.0	5505.0	5505.0	5505.0	5505.0
1°	5457.0	5466.2	5467.6	5466.2	5458.4
2°	5334.2	5361.4	5355.5	5343.9	5360.4
3°	5144.5	5158.0	5156.1	5157.1	5153.2
4°	4835.9	4859.6	4846.0	4856.2	4857.2
5°	4459.3	4465.6	4474.8	4454.5	4490.4
6°	3995.9	4036.2	4000.8	4035.7	4049.8
7°	3524.7	3548.0	3502.9	3527.2	3541.7
8°	3042.9	3002.1	3026.9	3027.4	3075.4
9°	2522.7	2531.0	2551.9	2528.1	2548.9
10°	2053.0	2072.0	2055.0	2046.7	2043.8
11°	1621.2	1642.5	1641.1	1643.5	1627.5
12°	1304.3	1293.2	1300.4	1276.7	1287.3
13°	1015.1	1015.6	1009.8	1000.1	991.3
14°	795.3	790.4	804.0	791.9	780.7
15°	623.0	640.5	645.4	636.1	633.2
17.5°	384.3	384.8	391.6	382.9	381.9
20°	241.6	247.5	255.2	246.0	238.7
22.5°	152.8	158.2	170.3	158.7	148.5
25°	97.5	104.3	115.0	101.9	92.7
27.5°	61.1	67.4	77.6	65.5	58.7
30°	37.8	42.2	50.5	41.2	34.9
32.5°	21.8	26.2	33.0	24.7	20.9
35°	11.6	15.0	21.8	14.6	10.7
37.5°	6.8	8.7	14.1	7.8	6.3
40°	3.9	5.3	8.2	4.9	3.9
42.5°	2.4	3.4	3.9	2.9	1.9
45°	1.5	1.9	2.4	1.9	1.5
47.5°	1.0	1.5	1.9	1.0	1.0
50°	1.0	1.0	1.5	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
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)