

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: P1315098

Luminaire Tested: LDSQA3D02R209735DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315098  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R209735DE010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

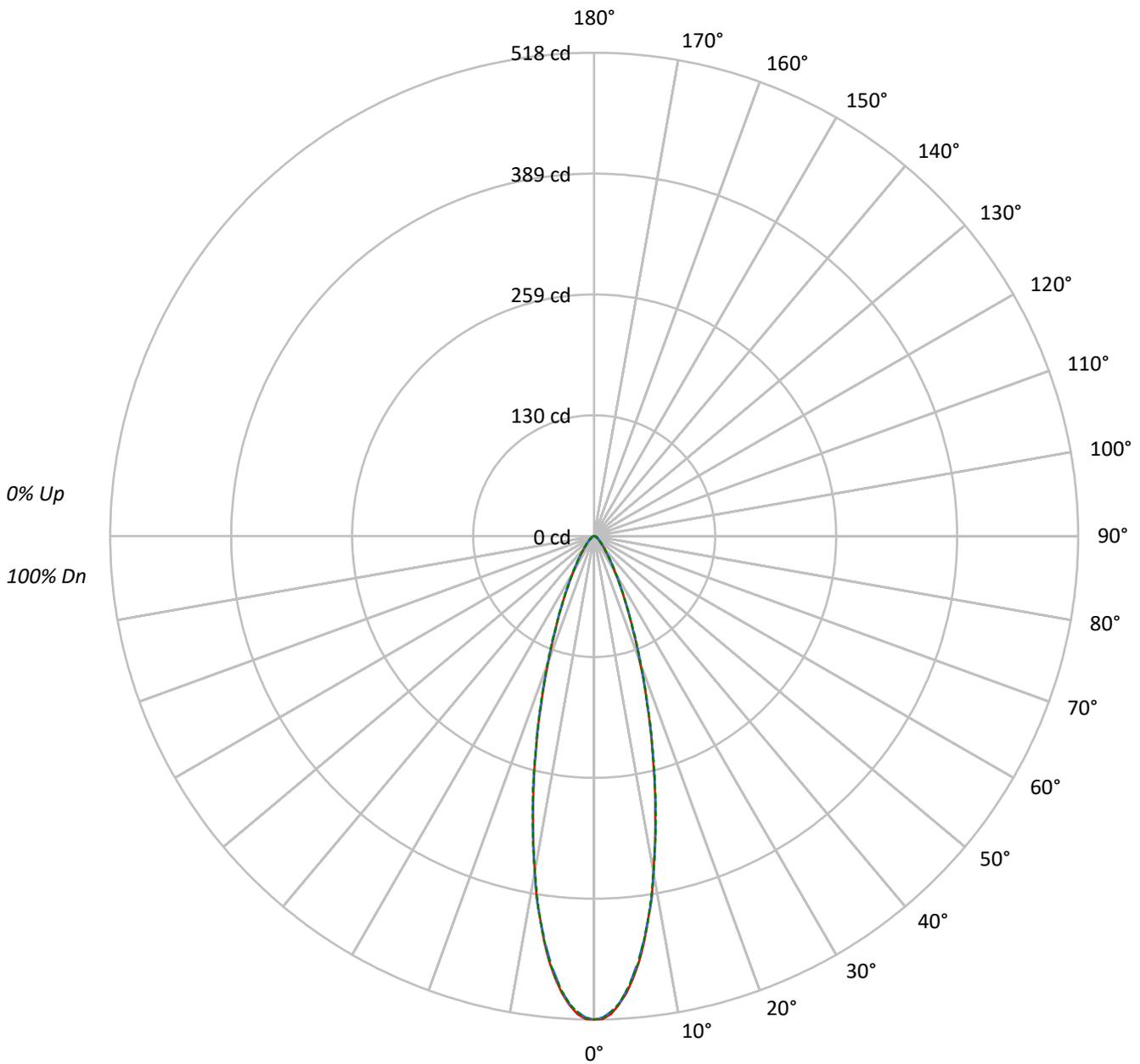
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 182.0 lumens  
Efficiency: N/A  
Efficacy: 50.6 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	73	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	71	67	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	68	65	62	61

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

	0°	45°	90°
0°	89194	89194	89194
5°	82291	81807	82084
10°	63848	63936	63936
15°	43166	43362	43362
20°	26208	26538	26667
25°	15373	15582	15544
30°	8969	9148	9188
35°	5487	5614	5614
40°	3575	3620	3665
45°	2484	2533	2606
50°	1822	1876	1876
55°	1441	1501	1501
60°	1240	1240	1343
65°	1100	1100	1182
70°	1007	1007	1007
75°	932	932	932
80°	694	694	893
85°	395	395	988

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 2606 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.8	22.9
10°-20°	66.9	36.7
20°-30°	38.7	21.3
30°-40°	17.4	9.5
40°-50°	8.2	4.5
50°-60°	4.5	2.5
60°-70°	2.7	1.5
70°-80°	1.5	0.8
80°-90°	0.3	0.2
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°	147.4	81.0
0°-40°	164.7	90.5
0°-60°	177.5	97.5
0°-90°	182.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	182.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	518	518	518	518	518	
5°	476	474	473	474	475	42
15°	242	242	243	242	243	67
25°	81	81	82	81	82	38
35°	26	26	27	27	27	17
45°	10	10	10	10	11	8
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
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°	517.9	517.9	517.9	517.9	517.9
1°	517.7	516.3	515.9	515.4	516.8
2°	512.5	510.9	510.0	510.4	510.6
3°	503.2	502.3	502.3	501.6	502.0
4°	491.1	489.3	489.3	489.6	489.6
5°	476.0	474.4	473.2	474.2	474.8
6°	459.0	456.9	456.0	456.2	457.8
7°	438.1	435.4	435.8	437.0	437.0
8°	414.5	414.3	414.8	414.3	414.8
9°	392.8	389.6	392.3	390.1	391.2
10°	365.1	364.9	365.6	366.3	365.6
12.5°	302.1	303.3	303.7	302.8	304.8
15°	242.1	242.1	243.2	242.1	243.2
17.5°	188.3	188.1	189.0	188.1	189.5
20°	143.0	144.6	144.8	144.8	145.5
22.5°	107.9	107.9	108.8	109.0	108.6
25°	80.9	80.9	82.0	81.4	81.8
27.5°	59.8	60.3	61.2	61.6	61.6
30°	45.1	45.3	46.0	46.2	46.2
32.5°	34.0	34.5	34.9	35.1	35.4
35°	26.1	26.3	26.7	27.0	26.7
37.5°	19.9	20.2	20.6	20.9	20.9
40°	15.9	15.9	16.1	16.3	16.3
42.5°	12.5	12.7	12.7	12.9	12.9
45°	10.2	10.2	10.4	10.4	10.7
47.5°	8.2	8.2	8.4	8.6	8.6
50°	6.8	6.8	7.0	7.0	7.0
52.5°	5.7	5.7	5.9	5.9	5.9
55°	4.8	4.8	5.0	5.0	5.0
57.5°	4.1	4.1	4.3	4.3	4.3
60°	3.6	3.6	3.6	3.6	3.9
62.5°	3.2	3.2	3.2	3.2	3.2
65°	2.7	2.7	2.7	2.7	2.9
67.5°	2.3	2.3	2.3	2.3	2.5
70°	2.0	2.0	2.0	2.0	2.0
72.5°	1.6	1.6	1.6	1.8	1.8
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.7	0.7	0.7	0.9	0.9
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.5
87.5°	0.0	0.0	0.0	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)