

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: P1311273

Luminaire Tested: LDSQA3D09R159040DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311273  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R159040DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

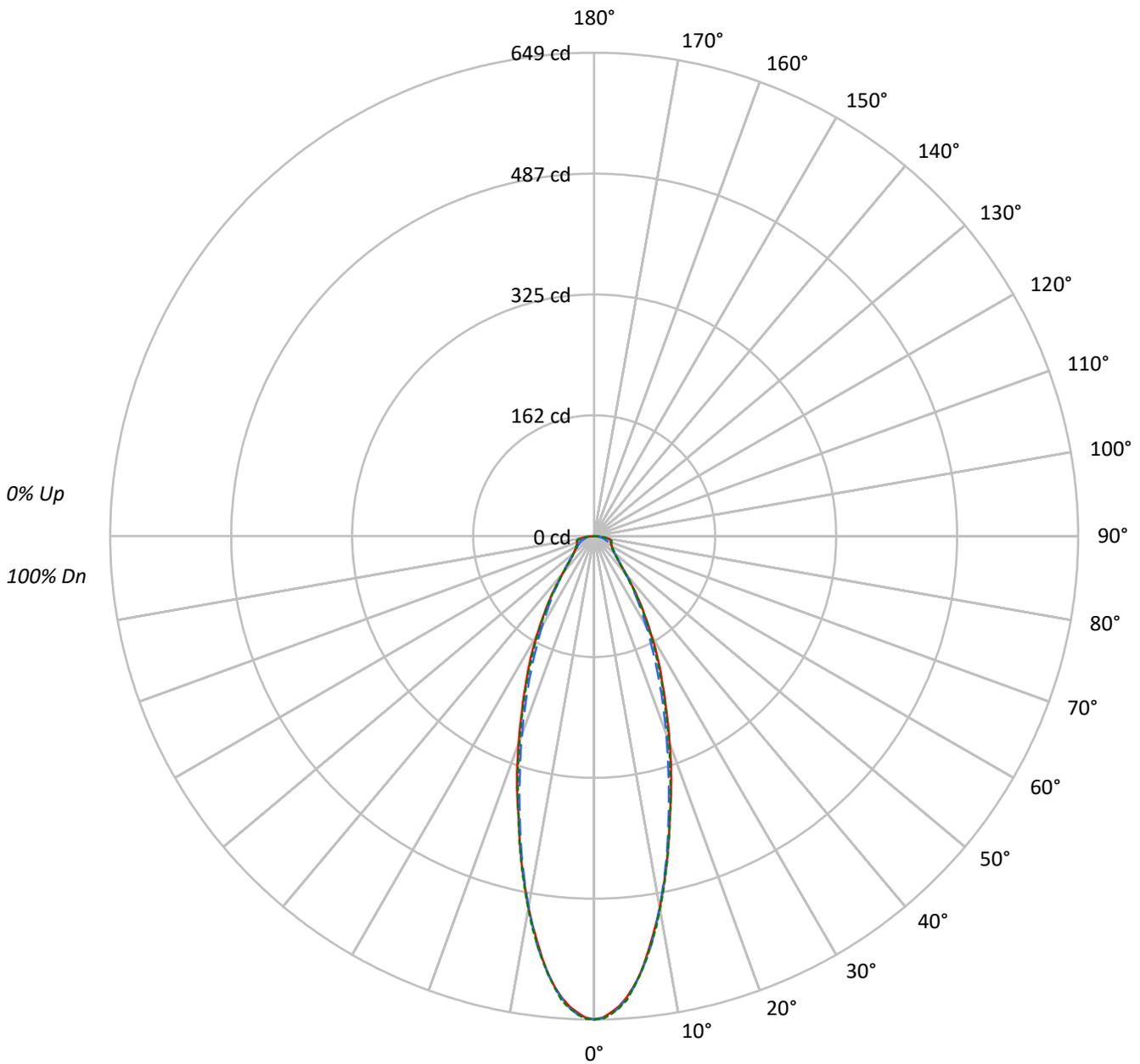
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 435.0 lumens  
Efficiency: N/A  
Efficacy: 39.2 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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



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



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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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

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

	0°	45°	90°
0°	111755	111755	111755
5°	104956	105094	105094
10°	88664	88384	88926
15°	69732	68734	69875
20°	54195	51739	53461
25°	40894	38062	40305
30°	30426	27762	29790
35°	21718	20226	21382
40°	14703	14883	14546
45°	10936	11520	10936
50°	9512	9512	9512
55°	9218	8768	9218
60°	9507	8680	9231
65°	10269	9006	10269
70°	12287	9114	12287
75°	15770	9449	15770
80°	19538	10116	18745
85°	15611	9287	17191

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 19538 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.7	12.6
10°-20°	108.2	24.9
20°-30°	95.6	22.0
30°-40°	62.8	14.4
40°-50°	36.7	8.4
50°-60°	27.0	6.2
60°-70°	23.0	5.3
70°-80°	19.0	4.4
80°-90°	7.9	1.8
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°	258.5	59.4
0°-40°	321.4	73.9
0°-60°	385.1	88.5
0°-90°	435.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	435.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	649	649	649	649	649	
5°	607	607	608	609	608	55
15°	391	391	386	390	392	109
25°	215	208	200	206	212	100
35°	103	99	96	99	102	65
45°	45	46	47	46	45	36
55°	31	30	29	30	31	28
65°	25	23	22	23	25	25
75°	24	17	14	18	24	24
85°	8	9	5	8	9	9
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	648.9	648.9	648.9	648.9	648.9
1°	646.5	647.3	647.3	648.1	648.1
2°	640.2	641.8	642.6	642.6	642.6
3°	632.3	633.1	633.9	634.7	634.7
4°	621.3	622.1	622.1	623.7	624.4
5°	607.1	607.1	607.9	608.7	607.9
6°	590.5	590.5	591.3	591.3	591.3
7°	570.8	571.6	572.4	573.2	572.4
8°	549.5	550.3	552.7	552.7	551.9
9°	528.3	529.0	529.0	531.4	531.4
10°	507.0	507.0	505.4	507.0	508.5
12.5°	449.4	448.6	446.3	448.6	450.2
15°	391.1	391.1	385.5	390.3	391.9
17.5°	343.8	336.7	331.1	335.9	339.8
20°	295.7	288.6	282.3	287.0	291.7
22.5°	252.3	246.8	238.9	243.6	249.1
25°	215.2	208.1	200.3	205.8	212.1
27.5°	184.5	175.0	167.1	173.5	179.0
30°	153.0	146.7	139.6	144.3	149.8
32.5°	126.2	121.4	115.9	119.8	124.6
35°	103.3	99.3	96.2	98.6	101.7
37.5°	82.8	81.2	79.6	80.4	80.4
40°	65.4	66.2	66.2	66.2	64.7
42.5°	53.6	54.4	56.0	54.4	53.6
45°	44.9	45.7	47.3	45.7	44.9
47.5°	39.4	40.2	41.0	39.4	39.4
50°	35.5	35.5	35.5	35.5	35.5
52.5°	33.1	32.3	32.3	32.3	33.1
55°	30.7	30.0	29.2	30.0	30.7
57.5°	28.4	27.6	26.8	27.6	28.4
60°	27.6	26.0	25.2	26.0	26.8
62.5°	26.0	24.4	23.7	24.4	26.0
65°	25.2	22.9	22.1	22.9	25.2
67.5°	24.4	21.3	19.7	21.3	24.4
70°	24.4	19.7	18.1	20.5	24.4
72.5°	23.7	18.9	15.8	18.9	23.7
75°	23.7	17.3	14.2	18.1	23.7
77.5°	22.1	15.8	11.8	16.6	22.1
80°	19.7	14.2	10.2	15.0	18.9
82.5°	14.2	11.8	7.9	11.8	14.2
85°	7.9	8.7	4.7	7.9	8.7
87.5°	0.8	2.4	1.6	4.7	3.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)